

Part 70 Operating Permit Amendment

Permit Amendment No.: **2631-193-0013-V-01-1**

Effective Date: May 28, 2003

Facility Name: **Weyerhaeuser – Flint River Operations**
Old Stagecoach Road
Oglethorpe, Georgia 31068, Macon County

Mailing Address: P.O. Box 238
Oglethorpe, Georgia 31068

Parent/Holding Company: Weyerhaeuser Company

Facility AIRS Number: 04-13-193-00013

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:

The replacement of Calciner U700 with Lime Kiln U800, the installation of white liquor Scrubber CDU8, and the replacement of Slaker U703. Other minor equipment changes include replacing the lime mud pre-coat filter, supply pump, collection tank, storage bins (except bin U720 which will be decommissioned), baghouse, causticizer tank, and vacuum seal pump and adding a new lump crusher and conveyor and standpipe for the causticizer overflow. This amendment is also for the removal of requirements pertaining to 40 CFR 279 – Standards for the Management of Used Oil.

This Permit Amendment shall also serve as a final amendment to the Part 70 Permit unless objected to by the U.S. EPA or withdrawn by the Division.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. 2631-193-0013-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. 14050 and 14051 dated October 14, 2002; any other applications upon which this Permit Amendment or Permit No. 2631-193-0013-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 **18** pages, which pages are a part of this Permit Amendment, and which hereby become part of Permit No. 2631-193-0013-V-01-0.

Director
Environmental Protection Division

Table of Contents

PART 1.0 FACILITY DESCRIPTION.....1
1.3 Process Description of Modification..... 1

PART 2.0 REQUIREMENTS PERTAINING TO THE ENTIRE FACILITY2
2.2 Facility Wide Federal Rule Standards.....2

PART 3.0 REQUIREMENTS FOR EMISSION UNITS3
3.1.1 Additional Emission Units3
3.3 Equipment Federal Rule Standards.....4
3.4 Equipment SIP Rule Standards6

PART 4.0 REQUIREMENTS FOR TESTING.....7
4.1 General Testing Requirements.....7
4.2 Specific Testing Requirements.....7

PART 5.0 REQUIREMENTS FOR MONITORING (Related to Data Collection)10
5.1 General Monitoring Requirements10
5.2 Specific Monitoring Requirements10

PART 6.0 OTHER RECORD KEEPING AND REPORTING REQUIREMENTS12
6.1 General Record Keeping and Reporting Requirements12
6.2 Specific Record Keeping and Reporting Requirements.....14

PART 7.0 OTHER SPECIFIC REQUIREMENTS17
7.4 Insignificant Activities Associated with this Amendment17
7.14 Specific Conditions Associated with this Amendment.....17

Attachments18
B. Insignificant Activities Checklist, Insignificant Activities Based on Emission Levels and Generic Emission Groups

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

On October 15, 2002, Weyerhaeuser – Flint River Operations submitted an application for an air quality permit to construct and operate equipment at their Oglethorpe, Georgia Kraft pulp mill. The proposed project includes the construction of a rotary lime kiln to replace the existing calciner, which will be permanently shutdown upon startup of the new lime kiln (Source Code U800).

The proposed 370 tons of lime per day rotary lime kiln is designed to combust either natural gas or No. 6 fuel oil as an energy source. The fuels will not be burned simultaneously. Strong non-condensable gases (NCGs) will be combusted in the lime kiln. When the lime kiln is unavailable the power boiler will continue to be used as a backup incineration device for strong NCGs. Weyerhaeuser also proposes to precondition the NCGs with a caustic process water (white liquor) to recover sulfur compounds and help reduce sulfur dioxide emissions from NCG combustion.

The lime kiln exhaust gas will be discharged through either a new independent stack dedicated to the lime kiln or through the existing combined stack (currently used for the power boiler, recovery boiler, and calciner exhaust) after passing through a dry electrostatic precipitator (ESP) (for particulate removal). The particular stack is to be determined at a later date, and the implications of utilizing either stack were considered in the permit application. The only point source of air emissions associated with the project is the lime kiln stack or the combined stack. In addition to this point source, there are small unquantifiable amounts of fugitive dust generated from lime-handling operations. The total fugitive emissions associated with lime conversion at the facility are anticipated to remain virtually unchanged or decrease since the facility will no longer need to bring in additional lime or landfill excess lime mud.

In addition to those changes proposed in the permit application, the Division has found it necessary to remove requirements pertaining to 40 CFR 279 – Standards for the Management of Used Oil while the permit is open for modification. The standard, and corresponding conditions, are being removed because 40 CFR 279 is not an air regulation and therefore does not belong in an air quality permit.

PART 2.0 REQUIREMENTS PERTAINING TO THE ENTIRE FACILITY

2.2 Facility Wide Federal Rule Standards

2.2.1 All permit amendments shall follow a dual emissions cap approach as described below: [Project XL Final Agreement and 40 CFR 52.21]

- a. Major Source Emissions Cap: The major sources are defined as Recovery Boiler U500, Smelt Dissolving Tank U508, Lime Kiln U800, and Power Boiler U400. The Major Source Emissions Cap is calculated as the process was configured in 1995:

Pollutant	Major Source Emissions Cap (tons/year)
PM	394
TRS	35
SO ₂	839
NO _x	1260
CO	2170
VOC	75

Note: The Major Source Emissions Cap only applies if there is no physical or method of operation change to any of the defined major sources. If a physical change or method of operation change is performed on a major source, standard PSD permitting rules apply.

- b. Facility Emissions Cap: The facility emissions cap is defined as all facility sources except the major sources as listed in Condition 2.2.1.a above. Any new units will be added to the facility emissions cap. The Facility Emissions Cap is calculated as the process was configured in 1995:

Pollutant	Facilities Emissions Cap (tons/year)
PM	195
TRS	27
SO ₂	40
NO _x	40
CO	346
VOC	703

Prior to implementing any physical or method of operation change at the facility, the Permittee will submit a description of the change to the Division, including but not limited to: calculations of anticipated emissions, a determination of emissions compliance with all applicable rules and regulations, and proposed record keeping to document emissions. If the proposed physical or method of operation change of the facility will not cause emissions to exceed any of the “emissions caps” as indicated above, no permitting is required and the modification may proceed. If the proposed physical or method of operation change of the facility will cause emissions to exceed any of the “emissions caps” as indicated above, the Permittee will follow the PSD review process under 40 CFR 52.21 prior to implementing the modification.

Title V Permit Amendment

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 Emission Units

Emission Units		Specific Limitations/Requirements		Air Pollution Control Devices	
ID No.	Description	Applicable Requirements/Standards	Corresponding Permit Conditions	ID No.	Description
U700	Calciner	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)	2.2.1, 3.3.3, 3.3.5, through 3.3.8, 3.3.23, 3.3.24, 3.4.4 through 3.4.6, 4.2.1, 5.2.1 through 5.2.3, 5.2.6, 5.3.1, 6.1.7, 6.2.1 through 6.2.3, 6.2.6, 6.2.7, and 6.2.11 through 6.2.13*	CDU4	Venturi Scrubber
U800	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)	2.2.1, 3.3.3, 3.3.5 through 3.3.8, 3.3.23 through 3.3.26, 3.4.4 through 3.4.6, 4.2.1, 4.2.4, 4.2.5, 5.2.1, 5.2.3, 5.2.6, 5.3.1, 6.1.7, 6.2.1 through 6.2.3, 6.2.6, 6.2.7, 6.2.11 through 6.2.13, and 6.2.17 through 6.2.22*	CDU7	Dry Plate Electrostatic Precipitator
OG03	STRONG NCG SYSTEM (LVHC)				
OG01	Digester System				
P300 P310 P311 P315	Vapor Phase Continuous Digester steaming vessel and impregnation vessel No. 1A Flash Tank No. 1B Flash Tank No. 2 Flash Tank	40 CFR 60 Subpart BB 40 CFR 63 Subpart S	3.3.5, 3.3.7, 3.3.8, 3.3.10, 3.3.12, 3.3.15 through 3.3.19, 3.3.23, 5.2.2, 5.2.7 through 5.2.9, 5.3.1, 6.1.7, 6.2.7, and 6.2.11 through 6.2.14*	CDU8 U800 U400 W100	White Liquor Scrubber Lime Kiln Power Boiler Biological Treatment
OG02	Multiple Effect Evaporator / Condensate Stripper System				
U600 U601 U612 U615	BL Evaporator System (5 effects, 3 flashes, 2 concentrators) BL Effects Hotwell No. 1 Surface Condenser No. 2 Surface Condenser	40 CFR 60 Subpart BB 40 CFR 63 Subpart S	3.3.5, 3.3.7, 3.3.8, 3.3.12, 3.3.15 through 3.3.19, 3.3.23, 5.2.7 through 5.2.9, 5.3.1, 6.1.7, 6.2.7, and 6.2.11 through 6.2.13*	CDU8 U800 U400 W100	White Liquor Scrubber Lime Kiln Power Boiler Biological Treatment
U613 U619	Stripper Condenser Spiral Heat Exchanger	40 CFR 60 Subpart BB 40 CFR 63 Subpart S	3.3.5, 3.3.7, 3.3.8, 3.3.12, 3.3.15 through 3.3.19, 3.3.23, 5.2.7 through 5.2.9, 5.3.1, 6.1.7, 6.2.7, and 6.2.11 through 6.2.13*	CDU8 U800 U400	White Liquor Scrubber Lime Kiln Power Boiler
U617	Stripper Feed Tank	40 CFR 60 Subpart Kb 40 CFR 60 Subpart BB 40 CFR 63 Subpart S	3.3.5, 3.3.7, 3.3.8, 3.3.12, 3.3.15 through 3.3.20, 3.3.23, 5.2.7 through 5.2.9, 5.3.1, 6.1.7, 6.2.7, 6.2.11 through 6.2.13, and 6.2.15*	CDU8 U800 U400	White Liquor Scrubber Lime Kiln Power Boiler

Title V Permit Amendment

Emission Units		Specific Limitations/Requirements		Air Pollution Control Devices	
ID No.	Description	Applicable Requirements/Standards	Corresponding Permit Conditions	ID No.	Description
U618	Stripper Column	40 CFR 60 Subpart BB 40 CFR 63 Subpart S	3.3.5, 3.3.7, 3.3.8, 3.3.12, 3.3.15 through 3.3.19, 3.3.23, 5.2.7 through 5.2.9, 5.3.1, 6.1.7, 6.2.7, and 6.2.11 through 6.2.13*	CDU8 U800 U400	White Liquor Scrubber Lime Kiln Power Boiler
Other	Turpentine Recovery System				
P312 P320 P321	Turpentine Decanter No. 1 Turpentine Condenser No. 2 Turpentine Condenser	40 CFR 63 Subpart S	3.3.7, 3.3.8, 3.3.12, 3.3.15 through 3.3.19, 5.2.7 through 5.2.9, 5.3.1, 6.1.7, 6.2.7, and 6.2.11 through 6.2.13*	CDU8 U800 U400 W100	White Liquor Scrubber Lime Kiln Power Boiler Biological Treatment
Other	Foul Oil Recovery System				
U608 U614	Foul Oil Storage Tank Foul Oil Decanter	40 CFR 63 Subpart S	3.3.7, 3.3.8, 3.3.12, 3.3.15 through 3.3.19, 5.2.7 through 5.2.9, 5.3.1, 6.1.7, 6.2.7, and 6.2.11 through 6.2.13*	CDU8 U800 U400 W100	White Liquor Scrubber Lime Kiln Power Boiler Biological Treatment
OG08	CHEMICAL RECOVERY SYSTEM				
U703	Slaker	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	3.4.9 and 3.4.10*	None	None
PG02	LIME STORAGE BIN AREA				
U716 U718	Reburned Lime Recharge Bin Purchased Lime Bin	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	3.4.9, 3.4.10, 5.2.3, and 6.1.7*	CDU6	Lime Bins Fabric Filter

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

3.3 Equipment Federal Rule Standards

Lime Kiln U800

- 3.3.3 The Permittee shall not discharge into the atmosphere from Lime Kiln U800 any gases which:
- a. Contain particulate matter in excess of 0.010 grains per dscf corrected to 10 percent oxygen.
[40 CFR 63 Subpart MM; 40 CFR 60 Subpart BB Subsumed]
 - b. Contain total reduced sulfur in excess of 8 ppm on a dry basis corrected to 10 percent oxygen.
[40 CFR 60 Subpart BB]
 - c. Contain carbon monoxide in excess of 100 tons per any 12 consecutive month period.
[40 CFR 52.21 Avoidance]
 - d. Contain volatile organic compounds in excess of 40 tons per any 12 consecutive month period.
[40 CFR 52.21 Avoidance]

Title V Permit Amendment

- e. Contain sulfur dioxide compounds in excess of 40 tons per any 12 consecutive month period.
[40 CFR 52.21 Avoidance]
- f. Contain nitrogen oxides in excess of 175 ppm at 10 percent oxygen.
[40 CFR 52.21]

TRS System

- 3.3.5 TRS gases from Equipment Group OG01 and Equipment Group OG02 shall be combusted in Lime Kiln U800 (primary for strong NCGs), Recovery Boiler U500 (primary for weak NCGs), and / or Power Boiler U400 (backup for strong NCG's/backup for weak NCGs). When TRS gases are combusted in Power Boiler U400, the gases shall be subjected to a minimum temperature of 1200 degrees Fahrenheit for at least 0.5 seconds.
[40 CFR 60 Subpart BB]

Fuel - General

- 3.3.6 Deleted.

Cluster Rule - Vents

- 3.3.8 The Permittee shall reduce total HAP emissions from each LVHC system, as defined in 40 CFR 63.441, using Power Boiler U400, Recovery Boiler U500, or Lime Kiln U800 by introducing the HAP emissions stream with the primary fuel or into the flame zone. The LVHC (Equipment Group OG01 and OG02 and Source Codes P312, P320, P321, U608 and U614) system is defined as the collection of equipment including the digester, turpentine recovery, evaporator, stream stripper systems, and any other equipment serving the same function as those previously listed.
[40 CFR 63.440(d); 40 CFR 63.443(a)(1)(i); 40 CFR 63.443(d)(4)]

General

- 3.3.23 The Permittee shall comply with the standards, provisions and requirements of Title 40 of the Code of Federal Regulations Part 60 Subpart BB "Standards of Performance for Kraft Pulp Mills" for Power Boiler U400, Lime Kiln U800, Recovery Boiler U500, Smelt Tank U508, Digester System OG01, and Multi Effect Evaporator / Condensate Stripper System OG02.
[40 CFR 60 Subpart BB]
- 3.3.24 The Permittee shall be subject to all applicable provisions of Federal Standard 40 CFR 63 Subpart MM - "National Emission Standards for Hazardous Air Pollutants for Chemical Recovery Combustion Sources at Kraft, Soda, Sulfite, and Stand-Alone Semicheical Pulp Mills". The facility shall be in compliance with all provisions of 40 CFR 63 Subpart MM by March 13, 2004 for all other units other than Lime Kiln U800, which shall be in compliance upon commencement of operation.
[40 CFR 63 Subpart MM]

Lime Kiln U800

- 3.3.26 The Permittee shall not simultaneously combust natural gas and No. 6 fuel oil in Lime Kiln U800.
[40 CFR 52.21 Avoidance]

3.4 Equipment SIP Rule Standards

Lime Kiln U800

- 3.4.4 The Permittee shall not cause, let, suffer, permit, or allow emissions from Lime Kiln U800 the opacity of which is equal to or greater than forty (40) percent.
[391-3-1-.02(2)(b)(1)]

- 3.4.5 The Permittee shall not cause, let, permit, suffer, or allow the rate of emission from Lime Kiln U800, particulate matter in total quantities equal to or exceeding the allowable rates calculated using the following equation:
[391-3-1-.02(2)(e)]

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

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

E = emission rate in pounds per hour.

P = process input weight rate in tons per hour.

- 3.4.6 The fuel fired in Lime Kiln U800 shall be limited to 2.5 percent sulfur by weight.
[391-3-1.02(2)(g)]

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 Sections 3.2, 3.3, 3.4 and 3.5 which pertain to the emission units listed in Section 3.1 are as follows:

- r. Deleted.
- u. Deleted.
- v. Deleted.
- w. Deleted.
- y. Method 25 for the determination of organic hydrocarbons and the calculation of total VOC.

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)]

4.2 Specific Testing Requirements

4.2.1 The Permittee shall perform all emission tests under the following conditions:
[Project XL; 40 CFR 52.21; and 391-3-1-.02(6)(b)1]

- a. No performance testing shall be required on sources (noted below) where US EPA certified continuous emissions monitors are installed and are meeting QA/QC standards. Notwithstanding the preceding sentence, as allowed in the rules of the Georgia EPD and as provided in the facility’s air operating permit, EPD reserves the right to require a stack test independent of the permit, especially in the event of a dispute concerning compliance with QA/QC standards.

Recovery Boiler U500: SO₂ and TRS CEMs
Power Boiler U400: NO_x and SO₂ CEMs
Lime Kiln U800: CO, NO_x, SO₂, and TRS CEMs

Title V Permit Amendment

- b. Particulate matter testing is required for Recovery Boiler U500, Smelt Dissolving Tank U508, Lime Kiln U800, and Power Boiler U400, VOC testing is required for Lime Kiln U800, and TRS testing is required for Smelt Dissolving Tank U508 according to the following schedule:
 - i. Where the most recent performance test has shown that control of a source's emissions are less than 25% of the allowable limit, performance testing shall be performed every four years;
 - ii. Where the most recent performance test has shown that control of a source's emissions are greater than 25% but less than 50%, performance testing shall be performed every three years;
 - iii. Where the most recent performance test has shown that control of a source's emissions are greater than 50% but less than 75%, performance testing shall be performed every two years;
 - iv. Where the most recent performance test has shown that control of a source's emissions are greater than 75% of the allowable limit, performance testing shall be performed annually.
- c. All tests shall be conducted when the source being tested is operating at a process input weight rate or fuel firing rate (BTU per hour hear input) representative of the highest 24- hour average as determined by operating records from the preceding 12 months.
- d. All required continuous monitoring system(s) and monitoring devices shall be calibrated and operating when the test(s) are conducted.
- e. Copies of the daily record of operating parameters, and the output data from all monitoring system and devices, shall be submitted with the test report for each day of testing.

Lime Kiln U800

- 4.2.4 Within 60 days after achieving the maximum capacity at which Lime Kiln U800 will be operated, but not later than 180 days after the initial startup, the Permittee shall conduct an initial performance test for VOC while burning No. 6 fuel oil and an initial performance test while burning natural gas. Based on the data collected through the performance testing the facility shall develop a correlation between lime mud feed rate, the amount and type of fuel burned, and the VOC emission rate. This correlation shall be submitted to the Division as required by Condition 6.2.22 and used to calculate the 12-month rolling average as required in Condition 6.2.17. The 12-month rolling average calculated through Condition 6.2.17 shall be used to show compliance with the VOC emission limit in Condition 3.3.3. Following the initial performance testing the facility shall comply with the testing schedule in Condition 4.2.1.b.
[40 CFR 52.21]

Title V Permit Amendment

- 4.2.5 Within 60 days after achieving the maximum capacity at which Lime Kiln U800 will be operated, but not later than 180 days after the initial startup, the Permittee shall conduct an initial performance test for particulate matter according to the requirements of 40 CFR 63.865(b) while burning No. 6 fuel oil. The results of the test shall be used to show compliance with the particulate matter emission rate limit in Condition 3.3.3. Following the performance test the facility shall comply with the testing schedule in Condition 4.2.1.b. During the performance test the Permittee shall establish a total power value for the Lime Kiln ESP (Source Code CDU7) to be used in determining excursions under Condition 6.1.7.c(iii).
[40 CFR 63 Subpart MM; 40 CFR 52.21]
- 4.2.6 Within 60 days after achieving the maximum capacity at which Lime Kiln U800 will be operated, but not later than 180 days after the initial startup, the Permittee shall conduct initial performance tests for nitrogen oxides, carbon monoxide, sulfur dioxide, and total reduced sulfur while burning No. 6 fuel oil. Following the initial performance tests compliance with limits in Condition 3.3.3 shall be determined using the continuous emission monitors required by Condition 5.2.1.b.
[40 CFR 52.21; 40 CFR 63 Subpart MM]

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 The Permittee shall install, calibrate, maintain, and operate a system to continuously monitor and record the indicated pollutants on the following equipment. Each system shall meet the applicable performance specification(s) of the Division's monitoring requirements.
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]
- b. TRS and oxygen on a dry basis, opacity, sulfur dioxide, nitrogen oxides, and carbon monoxide from Lime Kiln U800.
[40 CFR 60 Subpart BB; 40 CFR 63 Subpart MM; 40 CFR 52.21; 40 CFR 52.21 Avoidance]
- 5.2.2 The Permittee shall install, calibrate, maintain, and operate a system to continuously monitor and record the indicated parameters on the following equipment. Where such performance specification(s) exist, each system shall meet the applicable performance specification(s) of the Division's monitoring requirements.
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]
- d. Quantity of natural gas burned in cubic feet and quantity of No. 6 fuel oil burned in gallons for Lime Kiln U800.
- 5.2.3 The Permittee shall install, calibrate, maintain, and operate monitoring devices for the measurement of the indicated parameters on the following equipment. Data shall be recorded at the frequency specified below. Where such performance specification(s) exist, each system shall meet the applicable performance specification(s) of the Division's monitoring requirements.
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]
- b. Lime mud feed rate, mud density, and CaO production rate for Lime Kiln U800.
Data shall be recorded once each hour of operation.

Title V Permit Amendment

- d. Secondary current and secondary voltage for each electrical isolatable section (bus section) of the electrostatic precipitators for Lime Kiln U800 and Recovery Boiler U500. Data shall be recorded once per shift of operation. The total power for the precipitators shall be determined and recorded from the secondary parameters no less than once per shift of operation.

5.2.6 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)]

- 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)

Lime Kiln U800

- vii. Any 12-hour period during which the average TRS concentration measured and recorded in accordance with Condition 5.2.1.b for Lime Kiln U800 are in excess of 8 ppm on a dry basis corrected to 10 percent oxygen.
[40 CFR 60 Subpart BB]
- xiii. Any 12-month rolling period during which carbon monoxide emissions from Lime Kiln U800 measured and recorded in accordance with Condition 5.2.1.b and calculated in accordance with Condition 6.2.17 is in excess of 100 tons.
[40 CFR 52.21 Avoidance]
- xiv. Any 12-month rolling period during which sulfur dioxide emissions from Lime Kiln U800 measured and recorded in accordance with Condition 5.2.1.b and calculated in accordance with Condition 6.2.17 is in excess of 40 tons.
[40 CFR 52.21 Avoidance]
- xv. Any 12-month rolling period during which VOC emissions from Lime Kiln U800 calculated in accordance with 6.2.17 is in excess of 40 tons.
[40 CFR 52.21 Avoidance]
- xvi. Any 3-hour period during which the average nitrogen oxide concentration measured and recorded in accordance with Condition 5.2.1.b for Lime Kiln U800 is in excess of 175 ppm, corrected to 10 percent oxygen.
[40 CFR 52.21]
- xvii. Any calendar quarter of operation of Lime Kiln U800 during which opacity measured and recorded in accordance with Condition 5.2.1.b is greater than 20 percent for 6 percent or more of the operating time. The Permittee is required to make the reports specified in Condition 6.2.19.
[40 CFR 63 Subpart MM]

Title V Permit Amendment

xviii. Any 6-minute period during which opacity measured and recorded in accordance with Condition 5.2.1.b for Lime Kiln U800 is in excess of 40 percent.

[391-3-1-.02(2)(b)]

- 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)

Fuel

- i. At any time of process operation during which the fuel burned at the facility does not meet the specifications defined in Conditions 3.4.1, 3.4.2, or 3.4.6.

[391-3-1-.02(2)(g)]

Cluster Rule

- iv. Any periods during which the time of excess emissions (including periods of startup, shutdown, or malfunction) divided by the total process operating time in a semi-annual reporting period exceeds 10 percent. The report shall also include any periods during which the condensate collection system, Lime Kiln U800, or Recovery Boiler U500 are down. In addition, the Permittee shall include any periods during which Power Boiler U400 is down while Lime Kiln U800 or Recovery Boiler U500 is down.

[40 CFR 63.446(g)]

Lime Kiln U800

- v. Any period of time during which natural gas and No. 6 fuel oil are combusted simultaneously in Lime Kiln U800.

[40 CFR 52.21 Avoidance]

- 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)

Lime Kiln U800

- iii. Any three consecutive readings during which the total power for the Lime Kiln ESP (Source Code CDU7) falls below 75% of the value determined in accordance with Condition 4.2.15 or in subsequent performance tests required by Condition 4.2.1.

- d. In addition to the excess emissions, exceedances and excursions specified above, the following should also be included with the report required in Condition 6.1.4:
 - i. Deleted.
 - vi. Any period of operation of Lime Kiln U800 during which the average of ten consecutive 6-minute determinations of opacity measured and recorded in accordance with Condition 5.2.1.b results in a value greater than 20 percent opacity. This is not a violation of 40 CFR 63 Subpart MM and requires the Permittee to take corrective actions and make reports as described in Condition 6.2.19.
[40 CFR 63 Subpart MM]

6.2 Specific Record Keeping and Reporting Requirements

Fuel – General

- 6.2.1 For each shipment of residual oil (for the purposes of this permit, residual oil is defined as any fuel oil that does not comply with the specifications of fuel oil numbers 1 and 2 as defined by ASTM D396 “*Standard Specification of Fuel Oils*” and all fuel oil numbers 4,5, and 6, as defined by ASTM D396) received to be fired in Power Boiler U400, Recovery Boiler U500 and/or Lime Kiln U800, the Permittee shall obtain from the supplier, certification that the sulfur content of the fuel oil complies with the limit contained in Conditions 3.4.1, 3.4.2, and 3.4.6. The fuel supplier certification shall contain the following information:
[391-3-1-.02(6)(b)1 and CFR 70.6(a)(3)(i)]
 - a. The name of the oil supplier.
 - b. The location of the oil when the sample was drawn for analysis to determine the sulfur content of the oil, specifically including whether the oil was sampled as delivered to the Permittee or whether the sample was drawn from oil in storage at the oil supplier’s or oil refiner’s facility, or other location.
 - c. The sulfur content of the oil from which the shipment came (or of the shipment itself).
 - d. The method used to determine the sulfur content of the oil.
 - e. Quantity of fuel oil delivered.
 - f. Heat content of fuel oil delivered.

Title V Permit Amendment

6.2.2 For each shipment of No. 2 fuel oil received for combustion in Recovery Boiler U500 and / or Power Boiler U400, the Permittee shall obtain from the supplier of the fuel oil, a statement certifying that the oil complies with the specifications of No. 1 or No. 2 fuel oil contained in ASTM D 396 (Standard Specification for Fuel Oils). This certification shall indicate the sulfur content of the fuel oil is less than 3 % by weight.
[40 CFR 70.6(a)(3)(iii)(A) and 391-3-1-.02(6)(b)1]

6.2.3 Deleted.

Lime Kiln U800

6.2.6 The Permittee shall maintain daily records of the lime mud feed rate, lime mud density, CaO production rate in megagrams per day or tons per day, and amounts of No. 6 fuel oil and/or natural gas burned for Lime Kiln U800.
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i); 40 CFR 63 Subpart MM; 40 CFR 52.21 Avoidance]

6.2.17 The Permittee shall maintain daily records of the emissions of the following pollutants. The records also shall include monthly emission totals and 12-month rolling totals.
[40 CFR 52.21 Avoidance]

a. VOC: The Permittee shall calculate the VOC emission totals using the protocol as described in Condition 4.2.4.

b. CO and SO₂: The Permittee shall use the CEMs data that is collected in accordance with Condition 5.2.1.b as well as the lime mud, CaO production, and fuel burning records collected in accordance with Condition 6.2.6.

6.2.18 The Permittee shall develop and implement a written startup, shutdown, and malfunction plan, as described in 40 CFR 63.866, that describes in detail, procedures for operating and maintaining the source during periods of startup, shutdown, and malfunction and a program of corrective action for malfunctioning process and air pollution control equipment used to comply with 40 CFR 63 Subpart MM. As required under 40 CFR 63.8(k)(1)(i), the plan shall identify all routine or otherwise predictable CMS malfunctions. The plan shall include the schedules required by 40 CFR 63.866(a)(2). The facility, along with the SSM Plan, shall maintain records of corrective actions taken as required by 40 CFR 63.864(c)(1) and records of violations under 40 CFR 63.864(c)(2).
[40 CFR 63.6(e) and 40 CFR 63 Subpart MM]

Title V Permit Amendment

- 6.2.19 The Permittee shall submit a quarterly report if measured parameters meet any of the condition in 40 CFR 63.864(c)(1)(i) and (2)(ii). This report must contain the information specified in 40 CFR 63.10(c) as well as the number and duration of occurrences when the opacity from Lime Kiln U800 met or exceeded the conditions in 40 CFR 63.864(c)(1)(i) and the number and duration of the occurrences when opacity from Lime Kiln U800 met or exceeded the condition in 40 CFR 63.864(c)(2)(ii). Reporting excess emission below the violation thresholds of 40 CFR 63.864(c) does not constitute a violation of 40 CFR 63 Subpart MM.
[40 CFR 63.867(c); 40 CFR 63 Subpart MM]
- a. When no exceedances of parameters have occurred, the Permittee must submit a semiannual report stating that no excess emissions occurred during the reporting period.
 - b. The Permittee may combine excess emissions and/or summary reports for 40 CFR 63 Subpart MM with reports required by 40 CFR 63 Subpart S.
- 6.2.20 The Permittee shall furnish the Division written notification as follows:
[40 CFR 60.7 and 40 CFR 63.9]
- a. A notification of the date construction is commenced for Lime Kiln U800 postmarked no later than 30 days after such date.
 - b. The actual date of the decommissioning of Calciner U700 within 15 days after such date.
 - c. A notification of the actual date of initial startup of Lime Kiln U800 postmarked within 15 days after such date.
- 6.2.21 The Permittee shall commence construction of Lime Kiln U800 within 18 months of the effective date of this permit amendment.
[40 CFR 52.21 and 40 CFR 52.21 Avoidance]
- 6.2.22 Within 60 days of the completion of the VOC performance tests required by Condition 4.2.4, the Permittee shall submit a permit application containing the protocol developed in accordance with Condition 4.2.4. At such time that the protocol is approved the Division will incorporate the protocol into the Part 70 operating permit.
[40 CFR 52.21 Avoidance]

PART 7.0 OTHER SPECIFIC REQUIREMENTS

7.4 Insignificant Activities Associated with this Amendment

(see Attachment A for the list of Insignificant Activities in existence at the facility at the time of permit issuance)

7.14 Specific Conditions Associated with this Amendment

7.14.1 Upon the startup of Lime Kiln U800, Calciner U700 shall be permanently decommissioned.
[391-3-1-.02(6)(b)(1) and 40 CFR 70.6(a)(3)(i)]

7.14.2 During the construction of and until the startup of Lime Kiln U800, the Permittee shall continue to demonstrate compliance with all permit requirements and applicable regulations pertaining to Calciner U700. Upon startup of Lime Kiln U800 the Permittee shall comply with all new and modified conditions for Lime Kiln U800 contained in this amendment.
[391-3-1-.02(6)(b)(1) and 40 CFR 70.6(a)(3)(i)]

Attachments

- B. Insignificant Activities Checklist, Insignificant Activities Based on Emission Levels and Generic Emission Groups

Title V Permit Amendment

ATTACHMENT B

NOTE: Attachment B contains information regarding insignificant emission units/activities and groups of generic emission units/activities in existence at the facility at the time of Permit issuance. Future modifications or additions of insignificant emission units/activities and equipment that are part of generic emissions groups may not necessarily cause this attachment to be updated.

INSIGNIFICANT ACTIVITIES BASED ON EMISSION LEVELS

Description of Emission Units / Activities	Quantity
Lime Mud Mix Tank	1
Lime Mud Washer	1
Lime Mud Storage Tank	1
Lime Mud Filter	2
Lime Mud Vacuum Pump	2
Green Liquor Storage Tank	1
Causticizer Set (4 Tanks)	1
Dregs Filter	1
Dregs Filter Vacuum Pump	1
Chemical Storage Tank (Flocculant) (in freshwater treatment area)	1
Wet End Repulper (in pulp finishing area)	1
Broke Chest (in pulp finishing area)	1
Whitewater Filter (in pulp finishing area)	1
Whitewater Storage Chest (in pulp finishing area)	1
Brownstock Diffusion Washer	1
Knotter Accepts Tank	1
1 st Stage Brownstock Washer Filtrate Tank	1
Turpentine Storage Tank	1
White Liquor Mix Tank	1
Spiral Heat Exchanger	1
Spill Collection Tank	1
Soap Storage Tank	1
Hydrogen Peroxide Tank	1
Soap Separation Tank 1	1

ATTACHMENT B (continued)

GENERIC EMISSION GROUPS

Emission units/activities appearing in the following table are subject only to one or more of Georgia Rules 391-3-1-.02 (2) (b), (e) &/or (n). Potential emissions of particulate matter, from these sources based on TSP, are less than 25 tons per year per process line or unit in each group. Any emissions unit subject to a NESHAP, NSPS, or any specific Air Quality Permit Condition(s) are not included in this table.

Description of Emissions Units / Activities	Number of Units (if appropriate)	Applicable Rules		
		Opacity Rule (b)	PM from Mfg Process Rule (e)	Fugitive Dust Rule (n)
Roundwood Receiving / Processing Area				X
Rechipper Cyclone	1	X	X	
Bark Handing and Storage Areas				X
Power Boiler Ash Handling				X
Lime Lump Crusher and Conveying System		X	X	