West Virginia Department of Environmental Protection
Division of Air Quality

Title V Operating Permit Revision

Earl Ray Tomblin
Governor

Randy C. Huffman
Cabinet Secretary

For Significant Modification Permitting Action Under 45CSR30 and Title V of the Clean Air Act

Permit Action Number: SM01 **SIC:** 2493
Name of Permittee: Weyerhaeuser NR Company
Facility Name/Location: Buckhannon Facility
County: Upshur County
Facility Address: 100 TJM Drive, Buckhannon, WV 26201

Description of Permit Revision: This modification is to incorporate changes made to R13-1843C for the installation of two (2) storage tanks (Emission units: 005-07 and 005-08) and a parallam sealer spray booth (Emission Unit: 005-09).

Initial Title V Permit Information:
Permit Number: R30-09700029-2011
Effective Date: April 8, 2011
Expiration Date: March 25, 2016

Directions To Facility: From Charleston, take Interstate 79 North to the Weston/Buckhannon Exit (Exit #99). Proceed on route US 33 East towards Buckhannon, approx. 14 miles. After passing Route 20 (Phillipi/Buckhannon) Exit, take the 2nd Exit of the left onto Industrial Park Road (Route 15/33). Continue on Industrial Park Road for approx. 1 mile until coming to stop sign, plant is straight ahead.

THIS PERMIT REVISION IS ISSUED IN ACCORDANCE WITH THE WEST VIRGINIA AIR POLLUTION CONTROL ACT (W.VA. CODE §§ 22-5-1 ET SEQ.) AND 45CSR30 - "REQUIREMENTS FOR OPERATING PERMITS." THE PERMITTEE IDENTIFIED AT THE FACILITY ABOVE IS AUTHORIZED TO OPERATE THE STATIONARY SOURCES OF AIR POLLUTANTS IDENTIFIED HEREIN IN ACCORDANCE WITH ALL TERMS AND CONDITIONS OF THIS PERMIT.

William F. Durham
Director

February 17, 2016
Date Issued

Permit Number: **R30-09700029-2011**
Permittee: **Weyerhaeuser NR Company**
Facility Name: **Buckhannon Facility**
Mailing Address: **100 TJM Drive, Buckhannon, WV 26201**

This permit is issued in accordance with the West Virginia Air Pollution Control Act (West Virginia Code §§ 22-5-1 et seq.) and 45CSR30 — Requirements for Operating Permits. The permittee identified at the above-referenced facility is authorized to operate the stationary sources of air pollutants identified herein in accordance with all terms and conditions of this permit.

Facility Location:	Buckhannon, Upshur County, West Virginia
Mailing Address:	100 TJM Drive, Buckhannon, WV 26201
Telephone Number:	(304) 472-8564
Type of Business Entity:	Corporation
Facility Description:	Wood Engineered Product Manufacturing Facility
SIC Codes:	2493 Primary; N/A Secondary; N/A Tertiary
UTM Coordinates:	568.00 km Easting • 4316.50 km Northing • Zone 17

Permit Writer: Wayne Green

Any person whose interest may be affected, including, but not necessarily limited to, the applicant and any person who participated in the public comment process, by a permit issued, modified or denied by the Secretary may appeal such action of the Secretary to the Air Quality Board pursuant to article one [§§ 22B-1-1 et seq.], Chapter 22B of the Code of West Virginia. West Virginia Code §22-5-14.

Issuance of this Title V Operating Permit does not supersede or invalidate any existing permits under 45CSR13, 14 or 19, although all applicable requirements from such permits governing the facility's operation and compliance have been incorporated into the Title V Operating Permit.

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APPENDIX --- 45CSR2 Monitoring Plan

1.1. Emission Units

Emission Unit ID	Emission Point ID	Emission Unit Description	Year Installed	Design Capacity	Control Device
Furnace Group 001					
001-01	WoodFurn	Wood Fired Furnace	1995	116 MMBtu/hr	ESP, MClone
001-02	StandByFurn1	Standby Furnace	1995	40 MMBtu/hr	None
Veneer Group 003					
003-01	VeneerDryr	Two (2) Veneer Dryers	1995	42,000 LB/hr	None
Microllam Manufacturing Process Group 004					
004-01	MlamPress	Two (2) Microllam Press	1995	456 ft^3 / hr	None
004-02	MlamReman1	Microllam Reman Equipment #1	1995	Not Applicable	BGHS4
004-03	MlamReman2	Microllam Reman Equipment #2	1995	Not Applicable	BGHS3
004-04	Mlam Tanks	Microllam Resin Tanks	1995	10,000 Gallons Each	None
004-05	DrySilo	Dry Fuel Silo	1995	26,932 ft^3	BGHS5
004-06	MlamBooth	Microllam Spray Booth	2003	Not Applicable	None
004-07	Chip Bin	Storage of Green, Wet Wood Chips	1995	13,600 ft^3	None
004-08	Fuel House	Storage of Wood Fuel	1995	96,000 ft^3	None
Parallam Stranding Operations and ReManufacturing Group 005					
005-01	PlamPress	Parallam Press	1995	456 ft^3 / hr	None
005-03	PlamLayup	Parallam Standing Operation	1995	Not Applicable	BGHS1
005-04	PlamReman1	Parallam Reman Equipment #1	1995	Not Applicable	BGHS2A
005-05	PlamReman2	Parallam Reman Equipment # 2	1995	Not Applicable	BGHS2B
005-06	PlamTanks	Parallam Resin Tanks	1995	15,000 Gallons Each	None
005-07	E07	Sealer Bulk Tank	2016	6,000 Gallons	None
005-08	E08	Sealer Day/Mix Tank	2016	350 Gallons	None
005-09	E09	Parallam Sealer Spray Booth	2016	9.12 Gal/hr	Booth Filter(3C)

1.2. Active R13, R14, and R19 Permits

The underlying authority for any conditions from R13, R14, and/or R19 permits contained in this operating permit is cited using the original permit number (e.g. R13-1234). The current applicable version of such permit(s) is listed below.

Permit Number	Date of Issuance
R13-1843~~B~~C	~~March 27, 2009~~ November 25, 2015

2.0. General Conditions

2.1. Definitions

2.1.1. All references to the "West Virginia Air Pollution Control Act" or the "Air Pollution Control Act" mean those provisions contained in W.Va. Code §§ 22-5-1 to 22-5-18.

2.1.2. The "Clean Air Act" means those provisions contained in 42 U.S.C. §§ 7401 to 7671q, and regulations promulgated thereunder.

2.1.3. "Secretary" means the Secretary of the Department of Environmental Protection or such other person to whom the Secretary has delegated authority or duties pursuant to W.Va. Code §§ 22-1-6 or 22-1-8 (45CSR§30-2.12.). The Director of the Division of Air Quality is the Secretary's designated representative for the purposes of this permit.

2.1.4. Unless otherwise specified in a permit condition or underlying rule or regulation, all references to a "rolling yearly total" shall mean the sum of the monthly data, values or parameters being measured, monitored, or recorded, at any given time for the previous twelve (12) consecutive calendar months.

2.2. Acronyms

CAAA	Clean Air Act Amendments
CBI	Confidential Business Information
CEM	Continuous Emission Monitor
CES	Certified Emission Statement
C.F.R. *or* CFR	Code of Federal Regulations
CO	Carbon Monoxide
C.S.R. *or* CSR	Codes of State Rules
DAQ	Division of Air Quality
DEP	Department of Environmental Protection
FOIA	Freedom of Information Act
HAP	Hazardous Air Pollutant
HON	Hazardous Organic NESHAP
HP	Horsepower
lbs/hr *or* lb/hr	Pounds per Hour
LDAR	Leak Detection and Repair
m	Thousand
MACT	Maximum Achievable Control Technology
mm	Million
mmBtu/hr	Million British Thermal Units per Hour
mmft^3/hr *or* mmcf/hr	Million Cubic Feet Burned per Hour
NA *or* N/A	Not Applicable
NAAQS	National Ambient Air Quality Standards
NESHAPS	National Emissions Standards for Hazardous Air Pollutants
NO_x	Nitrogen Oxides
NSPS	New Source Performance Standards
PM	Particulate Matter
PM_{10}	Particulate Matter less than 10µm in diameter
pph	Pounds per Hour
ppm	Parts per Million
PSD	Prevention of Significant Deterioration
psi	Pounds per Square Inch
SIC	Standard Industrial Classification
SIP	State Implementation Plan
SO_2	Sulfur Dioxide
TAP	Toxic Air Pollutant
TPY	Tons per Year
TRS	Total Reduced Sulfur
TSP	Total Suspended Particulate
USEPA	United States Environmental Protection Agency
UTM	Universal Transverse Mercator
VEE	Visual Emissions Evaluation
VOC	Volatile Organic Compounds

2.3. Permit Expiration and Renewal

2.3.1. Permit duration. This permit is issued for a fixed term of five (5) years and shall expire on the date specified on the cover of this permit, except as provided in 45CSR§30-6.3.b. and 45CSR§30-6.3.c.
[45CSR§30-5.1.b.]

2.3.2. A permit renewal application is timely if it is submitted at least six (6) months prior to the date of permit expiration.
[45CSR§30-4.1.a.3.]

2.3.3. Permit expiration terminates the source's right to operate unless a timely and complete renewal application has been submitted consistent with 45CSR§30-6.2. and 45CSR§30-4.1.a.3.
[45CSR§30-6.3.b.]

2.3.4. If the Secretary fails to take final action to deny or approve a timely and complete permit application before the end of the term of the previous permit, the permit shall not expire until the renewal permit has been issued or denied, and any permit shield granted for the permit shall continue in effect during that time.
[45CSR§30-6.3.c.]

2.4. Permit Actions

2.4.1. This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.
[45CSR§30-5.1.f.3.]

2.5. Reopening for Cause

2.5.1. This permit shall be reopened and revised under any of the following circumstances:

a. Additional applicable requirements under the Clean Air Act or the Secretary's legislative rules become applicable to a major source with a remaining permit term of three (3) or more years. Such a reopening shall be completed not later than eighteen (18) months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended pursuant to 45CSR§§30-6.6.a.1.A. or B.

b. Additional requirements (including excess emissions requirements) become applicable to an affected source under Title IV of the Clean Air Act (Acid Deposition Control) or other legislative rules of the Secretary. Upon approval by U.S. EPA, excess emissions offset plans shall be incorporated into the permit.

c. The Secretary or U.S. EPA determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.

d. The Secretary or U.S. EPA determines that the permit must be revised or revoked and reissued to assure compliance with the applicable requirements.

[45CSR§30-6.6.a.]

2.6. Administrative Permit Amendments

2.6.1. The permittee may request an administrative permit amendment as defined in and according to the procedures specified in 45CSR§30-6.4.
[45CSR§30-6.4.]

2.7. Minor Permit Modifications

2.7.1. The permittee may request a minor permit modification as defined in and according to the procedures specified in 45CSR§30-6.5.a.
[45CSR§30-6.5.a.]

2.8. Significant Permit Modification

2.8.1. The permittee may request a significant permit modification, in accordance with 45CSR§30-6.5.b., for permit modifications that do not qualify for minor permit modifications or as administrative amendments.
[45CSR§30-6.5.b.]

2.9. Emissions Trading

2.9.1. No permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading, and other similar programs or processes for changes that are provided for in the permit and that are in accordance with all applicable requirements.
[45CSR§30-5.1.h.]

2.10. Off-Permit Changes

2.10.1. Except as provided below, a facility may make any change in its operations or emissions that is not addressed nor prohibited in its permit and which is not considered to be construction nor modification under any rule promulgated by the Secretary without obtaining an amendment or modification of its permit. Such changes shall be subject to the following requirements and restrictions:

a. The change must meet all applicable requirements and may not violate any existing permit term or condition.

b. The permittee must provide a written notice of the change to the Secretary and to U.S. EPA within two (2) business days following the date of the change. Such written notice shall describe each such change, including the date, any change in emissions, pollutants emitted, and any applicable requirement that would apply as a result of the change.

c. The change shall not qualify for the permit shield.

d. The permittee shall keep records describing all changes made at the source that result in emissions of regulated air pollutants, but not otherwise regulated under the permit, and the emissions resulting from those changes.

e. No permittee may make any change subject to any requirement under Title IV of the Clean Air Act (Acid Deposition Control) pursuant to the provisions of 45CSR§30-5.9.

f. No permittee may make any changes which would require preconstruction review under any provision of Title I of the Clean Air Act (including 45CSR14 and 45CSR19) pursuant to the provisions of 45CSR§30-5.9.

[45CSR§30-5.9.]

2.11. Operational Flexibility

2.11.1. The permittee may make changes within the facility as provided by § 502(b)(10) of the Clean Air Act. Such operational flexibility shall be provided in the permit in conformance with the permit application and applicable requirements. No such changes shall be a modification under any rule or any provision of Title I of the Clean Air Act (including 45CSR14 and 45CSR19) promulgated by the Secretary in accordance with Title I of the Clean Air Act and the change shall not result in a level of emissions exceeding the emissions allowable under the permit.
[45CSR§30-5.8]

2.11.2. Before making a change under 45CSR§30-5.8., the permittee shall provide advance written notice to the Secretary and to U.S. EPA, describing the change to be made, the date on which the change will occur, any changes in emissions, and any permit terms and conditions that are affected. The permittee shall thereafter maintain a copy of the notice with the permit, and the Secretary shall place a copy with the permit in the public file. The written notice shall be provided to the Secretary and U.S. EPA at least seven (7) days prior to the date that the change is to be made, except that this period may be shortened or eliminated as necessary for a change that must be implemented more quickly to address unanticipated conditions posing a significant health, safety, or environmental hazard. If less than seven (7) days notice is provided because of a need to respond more quickly to such unanticipated conditions, the permittee shall provide notice to the Secretary and U.S. EPA as soon as possible after learning of the need to make the change.
[45CSR§30-5.8.a.]

2.11.3. The permit shield shall not apply to changes made under 45CSR§30-5.8., except those provided for in 45CSR§30-5.8.d. However, the protection of the permit shield will continue to apply to operations and emissions that are not affected by the change, provided that the permittee complies with the terms and conditions of the permit applicable to such operations and emissions. The permit shield may be reinstated for emissions and operations affected by the change:

a. If subsequent changes cause the facility's operations and emissions to revert to those authorized in the permit and the permittee resumes compliance with the terms and conditions of the permit, or

b. If the permittee obtains final approval of a significant modification to the permit to incorporate the change in the permit.

[45CSR§30-5.8.c.]

2.11.4. "Section 502(b)(10) changes" are changes that contravene an express permit term. Such changes do not include changes that would violate applicable requirements or contravene enforceable permit terms and conditions that are monitoring (including test methods), recordkeeping, reporting, or compliance certification requirements.
[45CSR§30-2.39]

2.12. Reasonably Anticipated Operating Scenarios

2.12.1. The following are terms and conditions for reasonably anticipated operating scenarios identified in this permit.

a. Contemporaneously with making a change from one operating scenario to another, the permittee shall record in a log at the permitted facility a record of the scenario under which it is operating and to document the change in reports submitted pursuant to the terms of this permit and 45CSR30.

b. The permit shield shall extend to all terms and conditions under each such operating scenario; and

c. The terms and conditions of each such alternative scenario shall meet all applicable requirements and the requirements of 45CSR30.

[45CSR§30-5.1.i.]

2.13. Duty to Comply

2.13.1. The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the West Virginia Code and the Clean Air Act and is grounds for enforcement action by the Secretary or USEPA; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.
[45CSR§30-5.1.f.1.]

2.14. Inspection and Entry

2.14.1. The permittee shall allow any authorized representative of the Secretary, upon the presentation of credentials and other documents as may be required by law, to perform the following:

a. At all reasonable times (including all times in which the facility is in operation) enter upon the permittee's premises where a source is located or emissions related activity is conducted, or where records must be kept under the conditions of this permit;

b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;

c. Inspect at reasonable times (including all times in which the facility is in operation) any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit;

d. Sample or monitor at reasonable times substances or parameters to determine compliance with the permit or applicable requirements or ascertain the amounts and types of air pollutants discharged.

[45CSR§30-5.3.b.]

2.15. Schedule of Compliance

2.15.1. For sources subject to a compliance schedule, certified progress reports shall be submitted consistent with the applicable schedule of compliance set forth in this permit and 45CSR§30-4.3.h., but at least every six (6) months, and no greater than once a month, and shall include the following:

a. Dates for achieving the activities, milestones, or compliance required in the schedule of compliance, and dates when such activities, milestones or compliance were achieved; and

b. An explanation of why any dates in the schedule of compliance were not or will not be met, and any preventative or corrective measure adopted.

[45CSR§30-5.3.d.]

2.16. Need to Halt or Reduce Activity not a Defense

2.16.1. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. However, nothing in this paragraph shall be construed as precluding consideration of a need to halt or reduce activity as a mitigating factor in determining penalties for noncompliance if the health, safety, or environmental impacts of halting or reducing operations would be more serious than the impacts of continued operations.
[45CSR§30-5.1.f.2.]

2.17. Emergency

2.17.1. An "emergency" means any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, including acts of God, which situation requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under the permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.
[45CSR§30-5.7.a.]

2.17.2. Effect of any emergency. An emergency constitutes an affirmative defense to an action brought for noncompliance with such technology-based emission limitations if the conditions of 45CSR§30-5.7.c. are met.
[45CSR§30-5.7.b.]

2.17.3. The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that:

a. An emergency occurred and that the permittee can identify the cause(s) of the emergency;

b. The permitted facility was at the time being properly operated;

c. During the period of the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and

d. Subject to the requirements of 45CSR§30-5.1.c.3.C.1, the permittee submitted notice of the emergency to the Secretary within one (1) working day of the time when emission limitations were exceeded due to the emergency and made a request for variance, and as applicable rules provide. This notice, report, and variance request fulfills the requirement of 45CSR§30-5.1.c.3.B. This notice must contain a detailed description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

[45CSR§30-5.7.c.]

2.17.4. In any enforcement proceeding, the permittee seeking to establish the occurrence of an emergency has the burden of proof.
[45CSR§30-5.7.d.]

2.17.5. This provision is in addition to any emergency or upset provision contained in any applicable requirement.
[45CSR§30-5.7.e.]

2.18. Federally-Enforceable Requirements

2.18.1. All terms and conditions in this permit, including any provisions designed to limit a source's potential to emit and excepting those provisions that are specifically designated in the permit as "State-enforceable only", are enforceable by the Secretary, USEPA, and citizens under the Clean Air Act.
[45CSR§30-5.2.a.]

2.18.2. Those provisions specifically designated in the permit as “State-enforceable only” shall become “Federally-enforceable” requirements upon SIP approval by the USEPA.

2.19. Duty to Provide Information

2.19.1. The permittee shall furnish to the Secretary within a reasonable time any information the Secretary may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Secretary copies of records required to be kept by the permittee. For information claimed to be confidential, the permittee shall furnish such records to the Secretary along with a claim of confidentiality in accordance with 45CSR31. If confidential information is to be sent to USEPA, the permittee shall directly provide such information to USEPA along with a claim of confidentiality in accordance with 40 C.F.R. Part 2.
[45CSR§30-5.1.f.5.]

2.20. Duty to Supplement and Correct Information

2.20.1. Upon becoming aware of a failure to submit any relevant facts or a submittal of incorrect information in any permit application, the permittee shall promptly submit to the Secretary such supplemental facts or corrected information.
[45CSR§30-4.2.]

2.21. Permit Shield

2.21.1. Compliance with the conditions of this permit shall be deemed compliance with any applicable requirements as of the date of permit issuance provided that such applicable requirements are included and are specifically identified in this permit or the Secretary has determined that other requirements specifically identified are not applicable to the source and this permit includes such a determination or a concise summary thereof.
[45CSR§30-5.6.a.]

2.21.2. Nothing in this permit shall alter or affect the following:

a. The liability of an owner or operator of a source for any violation of applicable requirements prior to or at the time of permit issuance; or

b. The applicable requirements of the Code of West Virginia and Title IV of the Clean Air Act (Acid Deposition Control), consistent with § 408 (a) of the Clean Air Act.

c. The authority of the Administrator of U.S. EPA to require information under § 114 of the Clean Air Act or to issue emergency orders under § 303 of the Clean Air Act.

[45CSR§30-5.6.c.]

2.22. Credible Evidence

2.22.1. Nothing in this permit shall alter or affect the ability of any person to establish compliance with, or a violation of, any applicable requirement through the use of credible evidence to the extent authorized by law. Nothing in this permit shall be construed to waive any defenses otherwise available to the permittee including but not limited to any challenge to the credible evidence rule in the context of any future proceeding.
[45CSR§30-5.3.e.3.B. and 45CSR38]

2.23. Severability

2.23.1. The provisions of this permit are severable. If any provision of this permit, or the application of any provision of this permit to any circumstance is held invalid by a court of competent jurisdiction, the remaining permit terms and conditions or their application to other circumstances shall remain in full force and effect.
[45CSR§30-5.1.e.]

2.24. Property Rights

2.24.1. This permit does not convey any property rights of any sort or any exclusive privilege.
[45CSR§30-5.1.f.4]

2.25. Acid Deposition Control

2.25.1. Emissions shall not exceed any allowances that the source lawfully holds under Title IV of the Clean Air Act (Acid Deposition Control) or rules of the Secretary promulgated thereunder.

a. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid deposition control program, provided that such increases do not require a permit revision under any other applicable requirement.

b. No limit shall be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement.

c. Any such allowance shall be accounted for according to the procedures established in rules promulgated under Title IV of the Clean Air Act.

[45CSR§30-5.1.d.]

2.25.2. Where applicable requirements of the Clean Air Act are more stringent than any applicable requirement of regulations promulgated under Title IV of the Clean Air Act (Acid Deposition Control), both provisions shall be incorporated into the permit and shall be enforceable by the Secretary and U. S. EPA.
[45CSR§30-5.1.a.2.]

3.0. Facility-Wide Requirements

3.1. Limitations and Standards

3.1.1. **Open burning.** The open burning of refuse by any person is prohibited except as noted in 45CSR§6-3.1. **[45CSR§6-3.1.]**

3.1.2. **Open burning exemptions.** The exemptions listed in 45CSR§6-3.1 are subject to the following stipulation: Upon notification by the Secretary, no person shall cause or allow any form of open burning during existing or predicted periods of atmospheric stagnation. Notification shall be made by such means as the Secretary may deem necessary and feasible.
[45CSR§6-3.2.]

3.1.3. **Asbestos.** The permittee is responsible for thoroughly inspecting the facility, or part of the facility, prior to commencement of demolition or renovation for the presence of asbestos and complying with 40 C.F.R. § 61.145, 40 C.F.R. § 61.148, and 40 C.F.R. § 61.150. The permittee, owner, or operator must notify the Secretary at least ten (10) working days prior to the commencement of any asbestos removal on the forms prescribed by the Secretary if the permittee is subject to the notification requirements of 40 C.F.R. § 61.145 (b) (3) (i). The USEPA, the Division of Waste Management and the Bureau for Public Health - Environmental Health require a copy of this notice to be sent to them.
[40 C.F.R. § 61.145 (b) and 45CSR34]

3.1.4. **Odor.** No person shall cause, suffer, allow or permit the discharge of air pollutants which cause or contribute to an objectionable odor at any location occupied by the public.
[45CSR§4-3.1 State-Enforceable only.]

3.1.5. **Standby plan for reducing emissions.** When requested by the Secretary, the permittee shall prepare standby plans for reducing the emissions of air pollutants in accordance with the objectives set forth in Tables I, II, and III of 45CSR11.
[45CSR§11-5.2]

3.1.6. **Emission inventory.** The permittee is responsible for submitting, on an annual basis, an emission inventory in accordance with the submittal requirements of the Division of Air Quality.
[W.Va. Code § 22-5-4(a)(14)]

3.1.7. **Ozone-depleting substances.** For those facilities performing maintenance, service, repair or disposal of appliances, the permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 C.F.R. Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:

a. Persons opening appliances for maintenance, service, repair, or disposal must comply with the prohibitions and required practices pursuant to 40 C.F.R. §§ 82.154 and 82.156.

b. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 C.F.R. § 82.158.

c. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 C.F.R. § 82.161.

[40 C.F.R. 82, Subpart F]

3.1.8. **Risk Management Plan.** Should this stationary source, as defined in 40 C.F.R. § 68.3, become subject to Part 68, then the owner or operator shall submit a risk management plan (RMP) by the date specified in 40 C.F.R. § 68.10 and shall certify compliance with the requirements of Part 68 as part of the annual compliance certification as required by 40 C.F.R. Part 70 or 71.
[40 C.F.R. 68]

3.1.9. No person shall cause, suffer, allow or permit emission of smoke and/or particulate matter into the open air from any process source operation which is greater than twenty (20) percent opacity, except as noted in subsections 45CSR§7- 3.2 (See Section 3.1.10), 3.3, 3.4, 3.5, 3.6, and 3.7 (See Section 3.1.11.).
[45CSR§7-3.1.~~, 45CSR13, R13-1843, B.4.~~]

3.1.10. The provisions of Section 3.1.9 [45CSR§7-3.1.] shall not apply to smoke and/or particulate matter emitted from any process source operation which is less than forty (40) percent opacity for any period or periods aggregating no more than five (5) minutes in any sixty (60) minute period.
[45CSR§7-3.2.]

3.1.11. No person shall cause, suffer, allow or permit visible emissions from any storage structure(s) associated with any manufacturing process(es) that pursuant to Section 3.1.14 [45CSR§7-5.1.] is required to have a full enclosure and be equipped with a particulate matter control device.
[45CSR§7-3.7.~~, 45CSR13, R13-1843, B.4.~~ (004-07, 004-05, and 004-08)]

3.1.12. No person shall cause, suffer, allow or permit particulate matter to be vented into the open air from any type source operation or duplicate source operation, or from all air pollution control equipment installed on any type source operation or duplicate source operation in excess of the quantity specified under the appropriate source operation type in Table 45-7A of 45CSR7. Following table list the equipment with their allowable stack emission rates.

Stack Emission Sources		Allowable Stack Emission Rate
Emission Unit ID	**Emission Point ID**	**LB PM/hr**
003-01	VeneerDryr	31.2
004-02	MLAMREMAN1	12.208
004-03	MLAMREMAN2	12.208
005-03	PLAMLAYUP	12.208
005-04	PLAMREMAN1	12.208
005-05	PLAMREMAN2	12.208

[45CSR§7-4.1.~~, 45CSR13, R13-1843, B.4.~~]

3.1.13. Any stack serving any process source operation or air pollution control equipment on any process source operation shall contain flow straightening devices or a vertical run of sufficient length to establish flow patterns consistent with acceptable stack sampling procedures.
[45CSR§7-4.12.]

3.1.14. No person shall cause, suffer, allow, or permit any manufacturing process generating fugitive particulate matter to operate that is not equipped with a system to minimize the emissions of fugitive particulate matter. To minimize means that a particulate capture or suppression system shall be installed to ensure the lowest fugitive particulate emissions reasonably achievable.
[45CSR§7-5.1.~~, 45CSR13, R13-1843, B.4.~~]

3.1.15. The owner or operator of a plant shall maintain dust control of the plant premises, and plant owned, leased or controlled access roads, by paving, application of asphalt, chemical dust suppressants or other suitable dust control measures. Good operating practices shall be implemented and when necessary dust suppressants shall be applied in relation to stockpiling and general material handling to prevent dust generation and atmospheric entrainment.
[45CSR§7-5.2.~~, 45CSR13, R13-1843, B.4.~~]

3.1.16. Due to unavoidable malfunction of equipment, emissions exceeding those set forth in 45CSR7 may be permitted by the Director for periods not to exceed ten (10) days upon specific application to the Director. Such application shall be made within twenty-four (24) hours of the malfunction. In cases of major equipment failure, the Director provided a corrective program has been submitted by the owner or operator and approved by the Director may grant additional time periods.
[45CSR§7-9.1.]

3.1.17. Maintenance operations (as defined in 45CSR7) shall be exempt from the provisions of 45CSR§7-4 provided that at all times the owner or operator shall conduct maintenance operations in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Director, which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures and inspection of the source.
[45CSR§7-10.3.]

3.1.18. The permitted facility shall be constructed and operated in accordance with information filed in Permit Application ~~R13-1843A, R13-1843B~~ R13-1843C and any modifications, administrative updates, or amendments thereto. The Director may suspend or revoke a permit if the plans and specifications upon which the approval was based are not adhered to.
[45CSR13, R13-1843, ~~C.2.~~ 2.5.1.]

3.1.19. Owners and operators of chemical processing units or facilities subject to the requirements of 45CSR27 shall prevent and control working and filling losses of toxic air pollutants from tanks by routing such tank emissions to Best Available Technology (BAT) control devices. The Director may approve the use of floating roof storage tanks as BAT, provided that such tanks are designed and operated in a manner which minimizes toxic air pollutant emissions taking into consideration the toxic air pollutant emission rate, tank size, and control efficiency associated with such tanks. On a case-by-case basis, the Director may exempt very small process or storage tanks or tanks storing material mixtures containing low mass fractions of toxic air pollutants from the BAT requirements taking into consideration the actual level of emissions control and/or the toxic air pollutant emission rate from the tank.
[45CSR§27-5.1~~, 45CSR13, R13-1843, B.7.~~]

3.1.20. Under 45CSR27, the facility's Best Available Technology (BAT) requirement was satisfied by using only low formaldehyde resins in the process. The facility shall use liquid phenol-formaldehyde resin formulations for use in making product. The resin formulations are not to contain more than 0.1% free formaldehyde.
[45CSR§30-12.7., 004-01 and 005-01]

3.1.21. Air pollutant emissions from the emission point, VeneerDryr, serving the two (2) wood veneer screen dryers shall not exceed any of the following limitations:

Pollutant	Emission Rate (LB/hr)
Particulate Matter (PM) All Stacks	31.2
Particulate Matter (PM) Per Cooling Stack	7.40
Particulate Matter (PM) Per Drying Stack	1.0
Volatile Organic Compounds (VOC) (All Stacks)	18.0

[45CSR13, R13-1843, ~~A.10.~~ 4.1.10., 003-01]

3.1.22. The following maximum emissions from the fabric filter system shall not be exceeded:

Emission Point ID	Pollutant	Emission Rate (LB/hr)
PlamLayup	Particulate Matter	2.40
PlamReman2	Particulate Matter	2.18
PlamReman1	Particulate Matter	1.91
MlamReman1	Particulate Matter	1.71
MlamReman2	Particulate Matter	1.14
DrySilo	Particulate Matter	0.19

[45CSR13, R13-1843, ~~A.11.~~ 4.1.11.]

3.1.23. The use of liquid phenol-formaldehyde resin in the Microllam™ LVL and Parallam® PSL presses shall be so controlled that the emissions of formaldehyde shall not exceed 0.40 pounds per hour from the Microllam Process (both presses combined) and 1.15 pounds per hour from the Parallam Process. Compliance with this will show compliance with R13-1843~~B~~C, Condition 4.1.3 ~~Specific Requirement A.3~~.
[45CSR§30-12.7., 45CSR13, R13-1843, ~~A.3.~~ 4.1.3., 004-01 and 005-01]

3.1.24. The permittee shall process only Yellow Poplar, except that alternate wood species of hardwood and soft hardwood with estimated emissions for VOCs equal to or less than that assumed in developing the emission limits in R13-1843B for Yellow Poplar may also be processed in compliance with the conditions of this permit. Estimated emissions for such alternate wood species shall be determined by reference to the latest edition of AP-42 factors at the time of processing, by reference to another authoritative emission factors source approved by the Director, or, at the permittee's option, by testing for a period not to exceed a two-month duration during which emission data would be obtained to determine continuing compliance with the conditions of this permit. For alternative softwood species whose VOC emissions estimates may be greater than the VOC emission estimates assumed for Yellow Poplar in developing the emission limits in R13-1843~~B~~C, the permittee shall conduct testing as just described pursuant to a protocol submitted by the permittee and approved by the Director to obtain emission data on VOCs to determine whether such species may be processed in compliance with the conditions of this permit or whether a permit modification is necessary to allow such processing.
[45CSR13, R13-1843, ~~A.1.~~ 4.1.1]

3.1.25. No more than 8,840 tons of premixed liquid phenol-formaldehyde resin shall be charged to the Microllam™ LVL presses on an annual basis.
[45CSR13, R13-1843, ~~A.2.~~ 4.1.2., 004-01]

3.1.26. No more than 13,000 tons of liquid phenol-formaldehyde resin shall be charged to the Parallam® PSL press on an annual basis.
[45CSR13, R13-1843, ~~A.4.~~ 4.1.4., 005-01]

3.1.27. No more than a combined 42,000 pounds per hour of dry veneer shall be produced in both of the wood veneer screen dryers.
[45CSR13, R13-1843, ~~A.5.~~ 4.1.5, 003-01]

3.1.28. The average maximum temperature setpoint for each of the two-(2) wood veneer screen dryers shall not exceed 500 °F.
[45CSR13, R13-1843, ~~A.6.~~ 4.1.6., 003-01]

3.1.29. Fugitive dust control measures shall be operated and maintained in such a manner as to minimize fugitive dust generation and atmospheric entrainment. Such measures shall include but not be limited to the following:

i. Ash shall be thoroughly wetted via a wet transfer conveyor prior to handling.

ii. Wetted ash shall be loaded into sealed metal containers prior to transport to an off-site location.

iii. The bark hog hammermill shall be fully enclosed.

iv. The chipper shall be fully enclosed.

v. The area surrounding the hammermill and chipper shall be cleaned of wood dust as often as necessary to prevent the wood particles from drying and becoming airborne.

vi. Facility roadways, associate (employee) and visitor parking areas, and product loading areas shall be paved with asphalt or concrete, or shall be graveled. Subject roadways and areas shall be watered using a pressurized water spray on an as needed basis.

vii. The dry fuel silo shall be covered.

viii. Material transfer from the dry fuel silo into trucks shall be conducted in a partially enclosed stall.

[45CSR13, R13-1843, ~~A.14.~~ 4.1.15]

3.1.30. Sealant used in the Microllam Spray Booth shall contain no more than 0.03 LB VOC per gallon of sealant.
[45CSR§30-12.7., 004-06]

3.1.31. Annual usage of sealant for Microllam Spray Booth shall not exceed 120,000 gallons per year.
[45CSR§30-12.7., 004-06]

3.1.32. Reserved. ~~When emissions on an annual basis of one or more of the greenhouse gases listed below are greater than the *de minimis* amounts listed below, all greenhouse gases emitted above the *de minimis* amounts shall be reported to the Secretary under 45CSR§42-4 (see Section 3.5.11.):~~

~~Greenhouse Gas Compound~~	~~tons/year~~
~~carbon dioxide~~	~~10,000~~
~~methane~~	~~476~~
~~nitrous oxide~~	~~32.6~~
~~hydrofluorocarbons~~	~~0.855~~
~~perfluorocarbons~~	~~1.09~~
~~sulfur hexafluoride~~	~~0.42~~

~~**[45CSR§42-3.1., State-Enforceable only.]**~~

3.1.33. The permittee shall abide by the work practice standards associated with hardwood veneer dryers and Group 1 miscellaneous coating operations by using non-HAP coatings as defined in 40 C.F.R. § 63.2292. **[45CSR34, 40 C.F.R. § 63.2241 and 40 C.F.R. Part 63 Subpart DDDD, Table 3]**

3.1.34. Air pollutant emissions from emission points E07, E08, and E09 serving the MDI Bulk Tank, the MDI Day/Mix Tank, and the sealant Spray Booth, respectively, shall not exceed the following limitations:

Source ID	Pollutant	Emission Point ID	Emission Rate (LB/hr)
005-09	Particulate Matter/MDI	E09	2.79[1]
005-08	Particulate Matter/MDI	E08	0.00
005-07	Particulate Matter/MDI	E07	0.00

[1] Compliance with this emission limit shall demonstrate compliance with the less stringent emission limit in 45CSR§7-4.1.

[45CSR13, R13-1843, 4.1.13.; 005-07, 005-08, 005-09]

3.2. Monitoring Requirements

3.2.1. The permittee shall conduct monitoring/Record Keeping/reporting as follows, with exception of the "Veneer Dryer, Parallam Standing Operation, Parallam Reman Equipment #1, Parallam Reman Equipment #2, Microllam Reman Equipment #2, Microllam Reman Equipment #1" and Dry Fuel Silo, which are addressed in Section 3.2.3. [Not required for open stockpiles and haulroads.]

a. The permittee shall perform monthly Method 22 visible emission observations for particulate matter emission activities for the emission sources identified in the Emission Unit Table, Section 1.0. These visible emission observations shall be conducted by a certified Method 9 observer during periods of normal operation for a sufficient time interval to determine if any of the subject emission points have visible emissions and if so, determine the opacity of the emissions. If any of the subject emission points have visible emissions exceeding the regulatory limit of twenty percent (20%) opacity, then a 45CSR7A evaluation shall be conducted immediately after the violation of the regulatory limit unless the permittee can demonstrate a valid reason that the time frame should be extended. A 45CSR7A evaluation shall not be required if the condition resulting in the excess visible emissions is corrected within 24 hours and the units are operated at normal operating conditions.

b. A record of each visible emissions observation shall be maintained, including any data required by 40 C.F.R. 60 Appendix A, Method 22 or 45CSR7A, whichever is appropriate. The record shall include,

at a minimum, the date, time, name of the emission unit, the applicable visible emissions requirement, the results of the observation, and the name of the observer. Records shall be maintained on site stating any maintenance or corrective actions taken as a result of the monthly observations, and the times the fugitive dust control system(s) are inoperable and any corrective actions taken.

[45CSR§30-5.1.c.]

3.2.2. The permittee shall operate all control devices and monitor each to ensure that they are operated and maintained to ensure the lowest fugitive particulate emissions reasonably achievable. The permittee shall maintain instrumentation on all dust collectors for pressure drop observations. The pressure drop across the baghouse will be measured once per month and the value recorded. The measured value shall be compared to the optimal operating pressure range as determined by the manufacturer. The permittee shall maintain records of the maintenance performed on each baghouse. These records shall include all maintenance work performed on each dust collector including the frequency of bag/filter change outs. Records shall state the date and time of each dust collector inspection, the inspection results, and corrective action taken, if any. Records shall be maintained on site for five (5) years from the record creation date.
[45CSR§30-5.1.c.]

3.2.3. The permittee shall monitor visible emissions from the Veneer Dryer~~, Parallam Standing Operation, Parallam Reman Equipment #1, Parallam Reman Equipment #2, Microllam Reman Equipment #2, Microllam Reman Equipment #1 and Dry Fuel Silo~~ emission unit~~s~~ in accordance with the following procedures, test methods and frequencies:

i. 40 C.F.R. Part 60 Appendix A, Method 9 shall be used to determine opacity. Prior notification and pre-test plan are not required to be submitted for each test conducted. In accordance with Method 9, each observation shall be a minimum of six (6) minutes, unless any one 15 second reading is greater than the opacity limit for the emission unit, in which case the observation period shall be extended to a minimum of 60 minutes or until a violation of the emissions standard has been documented; whichever is a shorter period.

ii. The permittee shall use the following monitoring schedule for conducting the visible emissions tests required by this condition:

a. The monitoring frequency for performing visible emission tests shall be conducted ~~do~~ on a quarterly basis. If any of the subject emission~~s~~ points have visible emissions exceeding the applicable limits, the permittee shall perform visible emissions test as follows:

Emission Unit ID	Emission Point ID	Frequency
003-01	VeneerDryr	Weekly
~~004-02~~	~~MlamReman1~~	~~Monthly~~
~~004-03~~	~~MlamReman2~~	~~Monthly~~
~~004-05~~	~~DrySilo~~	~~Monthly~~
~~005-03~~	~~PlamLayup~~	~~Monthly~~
~~005-04~~	~~PlamReman1~~	~~Monthly~~
~~005-05~~	~~PlamReman2~~	~~Monthly~~

b. If the visible emission tests conducted during six (6) consecutive weeks of operation show opacity within the applicable limits specified in Section 3.1.9, the tests need only be done once per month.

c. If the tests conducted during four (4) consecutive months of operation show opacity within

the applicable limits specified in Section 3.1.9 [45CSR§7-3.1], the tests need be done only once per quarter.

d. If an exceedance of an applicable limit is observed, the observations for the exceeding emission point will start over with either weekly or monthly checks according to the monitoring frequency table above.

iii. All visible emissions tests shall be conducted during operating conditions that have the potential to create visible emissions.

iv. If the observer is unable to conduct the visual emission tests due to unit downtime, visual interference's caused by other visible emission sources (e.g. fugitive emissions during high wind conditions) or due to weather conditions such as fog, heavy rain, or snow, the observer shall note such conditions on the data observation sheet and make at least three (3) attempts to conduct the checks and/or tests at approximately 2-hour intervals throughout the day. The permittee shall attempt to make the observations daily until a valid observation period is completed.

[45CSR§30-5.1.c.]

3.2.4. To maintain VOC emission under 2 pounds per hour or 5 tons per year for the Microllam Spray Booth (MLAMBOOTH) (004-06), the following shall be monitored and recorded:

- VOC-content on a monthly basis,
- annual sealant usage is to be monitored on a monthly basis,
- fluid pressure, and
- spray gun tip size.

Fluid pressure and tip size shall be monitored and recorded daily with maximum values per the following table:

Tip Size (inches)	Maximum Fluid Pressure (PSI)
0.015	9239
0.017	5516
0.019	3405
0.021	2179
0.023	1668
0.025	1068
0.027	780

[45CSR§30-12.7., 004-06]

3.3. Testing Requirements

3.3.1. **Stack testing.** As per provisions set forth in this permit or as otherwise required by the Secretary, in accordance with the West Virginia Code, underlying regulations, permits and orders, the permittee shall conduct test(s) to determine compliance with the emission limitations set forth in this permit and/or established or set forth in underlying documents. The Secretary, or his duly authorized representative, may at his option witness or conduct such test(s). Should the Secretary exercise his option to conduct such test(s), the operator shall provide all necessary sampling connections and sampling ports to be located in such manner as the Secretary may require, power for test equipment and the required safety equipment, such as scaffolding, railings and ladders, to comply with generally accepted good safety practices. Such tests shall be conducted in accordance

with the methods and procedures set forth in this permit or as otherwise approved or specified by the Secretary in accordance with the following:

a. The Secretary may on a source-specific basis approve or specify additional testing or alternative testing to the test methods specified in the permit for demonstrating compliance with 40 C.F.R. Parts 60, 61, and 63, if applicable, in accordance with the Secretary's delegated authority and any established equivalency determination methods which are applicable.

b. The Secretary may on a source-specific basis approve or specify additional testing or alternative testing to the test methods specified in the permit for demonstrating compliance with applicable requirements which do not involve federal delegation. In specifying or approving such alternative testing to the test methods, the Secretary, to the extent possible, shall utilize the same equivalency criteria as would be used in approving such changes under Section 3.3.1.a. of this permit.

c. All periodic tests to determine mass emission limits from or air pollutant concentrations in discharge stacks and such other tests as specified in this permit shall be conducted in accordance with an approved test protocol. Unless previously approved, such protocols shall be submitted to the Secretary in writing at least thirty (30) days prior to any testing and shall contain the information set forth by the Secretary. In addition, the permittee shall notify the Secretary at least fifteen (15) days prior to any testing so the Secretary may have the opportunity to observe such tests. This notification shall include the actual date and time during which the test will be conducted and, if appropriate, verification that the tests will fully conform to a referenced protocol previously approved by the Secretary.

d. The permittee shall submit a report of the results of the stack test within 60 days of completion of the test. The test report shall provide the information necessary to document the objectives of the test and to determine whether proper procedures were used to accomplish these objectives. The report shall include the following: the certification described in paragraph 3.5.1; a statement of compliance status, also signed by a responsible official; and, a summary of conditions which form the basis for the compliance status evaluation. The summary of conditions shall include the following:

1. The permit or rule evaluated, with the citation number and language.

2. The result of the test for each permit or rule condition.

3. A statement of compliance or non-compliance with each permit or rule condition.

[WV Code §§ 22-5-4(a)(14-15) and 45CSR13]

3.3.2. The Director, or his duly authorized representative, may conduct such other tests as he or she may deem necessary to evaluate air pollution emissions other than those noted in 45CSR§10-3.
[45CSR§10-8.1.b.]

3.3.3. Compliance with the particulate matter emission limitation established for Sections 3.1.21 (003-01) and 3.1.22 (005-03, 005-04, 005-05, 004-03, 004-02, and 004-05) shall be demonstrated as described below:

a. To limit the facility's annual PM emissions from the veneer dryers, a throughput limit of 42,000 LB/hr of dry veneer is placed on the combined operation of the facility's dryers. This throughput limit shall be calculated and recorded each month, based on average monthly production and hours of operation.

b. The permittee shall practice the proper operation of the following baghouse systems: BGHS1, BGHS2A, BGHS2B, BGHS3, BGHS4 and BGHS5. This shall include installation of broken bag detectors, prompt replacement of broken bags, and daily inspections to insure proper operation.

The permittee shall utilize 40 C.F.R. Part 60 Appendix A, Method 5 or 5D for purposes of conducting performance tests, unless the Director approves an alternate or equivalent method. Requirements shall be met with respect to submission of a test protocol and notification of testing.

Tests for particulate matter (PM) were conducted in August of 2005 and 2010 for veneer dryers, BGHS1, BGHS2A, and BGHS2B and resulted in mass emission rates ≤ 50% for each test. The results of those tests showed that the current PM testing frequency is "Once/ 5 years." PM testing for BGHS3 and BGHS5 was conducted in August of 2005 and August of 2008 and resulted in mass emission rates between 50% and 90%. The results of this test showed that the current PM testing frequency is "Once/3 years." PM testing for BGHS4 was conducted in August of 2005 and resulted in mass emission rates > 90%. The results of this test showed that the current PM testing frequency is "Annual." Tests for BGHS4 were conducted in 2006, 2007, and 2008. The result in mass emission rates for these three (3) successive annual tests was ≤ 50%. The result of these tests showed that the current PM testing frequency is "Once/5 years." Subsequent testing to determine compliance with the particulate matter (PM) limitations of Sections 3.1.21 and 3.1.22 shall be conducted in accordance with the schedule set forth in the following table.

Test	Test Results	Testing Frequency
Annual	If annual testing is required, after two successive tests indicate mass emission rates between 50% and 90% particulate matter (PM)	Once/3 years
Annual	If annual testing is required, after three successive tests indicate mass emission rates ≤50% of particulate matter (PM)	Once/5 years
Once/3 years	If testing is required once/3 years, after two successive tests indicate mass emission rates ≤50% of particulate matter (PM) limit	Once/5 years
Once/3 years	If testing is required once/3 years and any tests indicate mass emission rates between 50% and 90 % (PM) limits	Once/3 years
Once/3 years	If testing is required once/3 years and any test indicates a mass emission rate ≥90% of particulate matter (PM) limit	Annual
Once/5 years	If testing is required once/5 years and any test indicates a mass emission rate ≤50% of particulate matter (PM) limit	Once/5 years
Once/5 years	If testing is required once /5 years and any test indicates mass emission rates between 50% and 90 % of particulate matter (PM) limit	Once/3 years
Once/5 years	If testing is required once/5 years and any test indicates a mass emission rate ≥90% of particulate matter (PM) limit	Annual

[45CSR§30-5.1.c.~~, 45CSR13, B.18.~~, 003-01, 005-03, 005-04, 005-05, 004-02, 004-03, and 004-05]

3.3.4. Compliance with the volatile organic compound emission limitations established for the Veneer Dryer shall be demonstrated as follows:

a. If a species of wood other than Yellow Poplar is processed, it should be demonstrated that it exhibits equal VOC emitting properties to that of Yellow Poplar, or less. This demonstration shall be conducted prior to use of such wood species, and shall be recorded and maintained on site for five (5) years from the date of demonstration.

b. The permittee shall monitor and record the following parameters for the Veneer Dryer. Unless different ranges for the parameters (veneer dryers' maximum average temperature) are established through 40 C.F.R. Part 60 Appendix, Method 25 or 25A, which demonstrate compliance with the volatile organic compound emission limitation, said parameters shall be maintained within the design specifications indicated below. If new parameter (veneer dryers' maximum average temperature)

ranges are established through 40 C.F.R. Part 60 Appendix, Method 25 or 25A, the permit must be revised to reflect the new ranges which will be relied on to demonstrate compliance with the volatile organic compound emission limitation.

i. A production limit of 42,000 LB/hr of dry veneer is placed on the combined operation of the facility's dryers. This production limit shall be calculated and recorded each month, based on average monthly production and hours of operation.

ii. The maximum average temperature for the veneer dryers is between 300 to 550 ºF. An average temperature for all heating zones will be recorded each shift

iii. Maintain compliance with the provision mandated by the Air Quality Board on September 11, 1995, as specified in 40 C.F.R. Part 60 Appendix, Method 25 or 25A;

c. The permittee may conduct an approved compliance test to demonstrate that the Veneer Dryers units can operate in compliance with their emission limits with parameters outside the ranges specified in the compliance determination methods above or at production rates greater than the current limits.

[45CSR§30-5.1.c., ~~45CSR13, R13-1843, B.22.~~, 003-01]

3.3.5. In order to assure compliance with the requirements of 3.1.22, the permittee shall conduct visible emission checks and/or opacity monitoring and recordkeeping on emission units: 004-02, 004-03, 004-05, 005-03, 005-04, and 005-05 as follows:

a. The visible emission check shall determine the presence or absence of visible emissions. At a minimum, the observer must be trained and knowledgeable regarding the effects of background contrast, ambient lighting, observer position relative to lighting, wind, and the presence of uncombined water (condensing water vapor) on the visibility of emissions. This training may be obtained from written materials found in the References 1 and 2 from 40CFR Part 60, Appendix A, Method 22 or from the lecture portion of the 40CFR Part 60, Appendix A, Method 9 certification course.

b. Visible emission checks shall be conducted at least once per calendar month with a maximum of forty-five (45) days between consecutive readings. These checks shall be performed at each source (stack, transfer point, fugitive emission source, etc.) for a sufficient time interval, but no less than one (1) minute, to determine if any visible emissions are present. Each observation must be recorded as either visible emissions observed or no visible emissions observed. Visible emission checks shall be performed during periods of normal facility operation and appropriate weather conditions.

c. If visible emissions are present at a source(s) the permittee shall take corrective action as soon as practicable, but within seventy-two (72) hours of the emission check. Once corrective action has been taken another observation shall be made to confirm that no visible emissions are present.

[45CSR13, R13-1843, 4.2.1.]

3.3.6. **Record of Monitoring.** The permittee shall keep records of monitoring information that include the following:

a. The date, place as defined in this permit and time of sampling or measurements;

b. The date(s) analyses were performed;

c. The company or entity that performed the analyses;

d. The analytical techniques or methods used;

e. The results of the analyses; and

f. The operating conditions existing at the time of sampling or measurement.

[45CSR13, R13-1843, 4.3.1.]

3.3.7. **Record of Maintenance of Air Pollution Control Equipment.** For all pollution control equipment listed in Section 1.0, the permittee shall maintain accurate records of all required pollution control equipment inspection and/or preventative maintenance procedures.
[45CSR13, R13-1843, 4.3.2.]

3.3.8. **Record of Malfunctions of Air Pollution Control Equipment.** For all air pollution control equipment listed in Section 1.0, the permittee shall maintain records of the occurrence and duration of any malfunction or operational shutdown of the air pollution control equipment during which excess emissions occur. For each such case, the following information shall be recorded:

a. The equipment involved.

b. Steps taken to minimize emissions during the event.

c. The duration of the event.

d. The estimated increase in emissions during the event.

For each such case associated with an equipment malfunction, the additional information shall also be recorded:

e. The cause of the malfunction.

f. Steps taken to correct the malfunction.

g. Any changes or modifications to equipment or procedures that would help prevent future recurrences of the malfunction.

[45CSR13, R13-1843, 4.3.3.]

3.4. Recordkeeping Requirements

3.4.1. **Monitoring information.** The permittee shall keep records of monitoring information that include the following:

a. The date, place as defined in this permit and time of sampling or measurements;

b. The date(s) analyses were performed;

c. The company or entity that performed the analyses;

d. The analytical techniques or methods used;

e. The results of the analyses; and

f. The operating conditions existing at the time of sampling or measurement.

[45CSR§30-5.1.c.2.A.]

3.4.2. **Retention of records.** The permittee shall retain records of all required monitoring data and support information for a period of at least five (5) years from the date of monitoring sample, measurement, report, application, or record creation date. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit. Where appropriate, records may be maintained in computerized form in lieu of the above records.
[45CSR§30-5.1.c.2.B.]

3.4.3. **Odors.** For the purposes of 45CSR4, the permittee shall maintain a record of all odor complaints received, any investigation performed in response to such a complaint, and any responsive action(s) taken.
[45CSR§30-5.1.c. State-Enforceable only.]

3.4.4. The owner or operator shall keep copies of all records required under 40 C.F.R. § 60.115b, except for the record required by Section 3.4.5 [40 C.F.R. § 60.116b (b)], for at least 5 years. The record required by 40 C.F.R. § 60.116b (b) will be kept for the life of the source. Permittee is to determine the dimension and capacity of the tank(s) for the life of the tank(s).
[45CSR16, 40 C.F.R. § 60.116b (a), 005-06]

3.4.5. The owner or operator of each storage vessel as specified in Section 3.4.4 [40 C.F.R. § 60.110b (a)] shall keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Each storage vessel with a design capacity less than 75 m^3 is subject to no provision of this subpart other than those required by 40 C.F.R. § 60.116b.
[45CSR16, 40 C.F.R. § 60.116b (b), 005-06]

3.4.6. To demonstrate compliance with Conditions 3.1.25, 3.1.26, and 3.1.27 the ~~The~~ following information shall be recorded in logs and maintained at the permitted facility for a period of five (5) years, and made available to the Director of the Division of Air Quality, or his/her designated representative, upon request:

a. Amount of dried veneer in pounds per hour produced in the dryers on an hourly basis back calculated from calendar monthly dryer throughput,

b. Amount of resin in pounds per hour charged to Microllam™ LVL presses on an hourly basis back calculated from calendar monthly production,

c. Amount of resin in tons per month charged to Microllam™ LVL presses on a monthly basis back calculated from calendar monthly production,

d. Amount of resin in pounds per hour charged to the Parallam® PSL press on an hourly basis back calculated from calendar monthly production,

e. Amount of resin in tons per month charged to the Parallam® PSL press on a monthly basis back calculated from calendar monthly production.

[45CSR§30-5.1.c ~~45CSR13, R13-1843, B.15.~~, 003-01, 004-01 and 005-01]

3.4.7. The permittee shall record usage of sealant in Sections 3.1.30 and 3.1.31, in addition to maximum VOC-content of sealant used on a monthly basis. The records shall be maintained on site and made available to the Director of the Division of Air Quality, or his/her designated representative, upon request.
[45CSR§30-5.1.c., 004-06]

3.4.8. Unless the EPA Administrator has approved a different schedule for submission of reports under 40 C.F.R. §

63.10 (a), you must submit each report by the date in Table 9 to 40 C.F.R. Part 63 Subpart DDDD and as specified in 40 C.F.R. §§ 63.2281 (b) (3) through (5).
[45CSR34, 40 C.F.R. § 63.2281 (b), 003-01]

3.4.9. The compliance report must contain the information in 40 C.F.R. §§ 63.2281 (c) (1) through (4) and (7).

(1) Company name and address.

(2) Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report.

(3) Date of report and beginning and ending dates of the reporting period.

(4) If there are no deviations from any applicable compliance option or operating requirement, and there are no deviations from the requirements for work practice requirements in Table 8 to 40 C.F.R. Part 63 Subpart DDDD, a statement that there were no deviations from the compliance options, operating requirements, or work practice requirements during the reporting period.

[45CSR34, 40 C.F.R. §§ 63.2281 (c) (1) – (3) and (7), Table 8, Items 2 and 5, 003-01]

3.5. Reporting Requirements

3.5.1. **Responsible official.** Any application form, report, or compliance certification required by this permit to be submitted to the DAQ and/or USEPA shall contain a certification by the responsible official that states that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.
[45CSR§§30-4.4. *and* 5.1.c.3.D.]

3.5.2. A permittee may request confidential treatment for the submission of reporting required under 45CSR§30-5.1.c.3 pursuant to the limitations and procedures of W.Va. Code § 22-5-10 and 45CSR31.
[45CSR§30-5.1.c.3.E.]

3.5.3. Except for the electronic submittal of the annual certification to the USEPA as required in 3.5.5 below, all notices, requests, demands, submissions and other communications required or permitted to be made to the Secretary of DEP and/or USEPA shall be made in writing and shall be deemed to have been duly given when delivered by hand, mailed first class or by private carrier with postage prepaid to the address(es) set forth below or to such other person or address as the Secretary of the Department of Environmental Protection may designate:

If to the DAQ:

Director
WVDEP
Division of Air Quality
601 57th Street SE
Charleston, WV 25304

Phone: 304/926-0475
FAX: 304/926-0478

If to the US EPA:

Associate Director
Office of Enforcement and Permits Review (3AP12)
U. S. Environmental Protection Agency
Region III
1650 Arch Street
Philadelphia, PA 19103-2029

3.5.4. **Certified emissions statement.** The permittee shall submit a certified emissions statement and pay fees on an annual basis in accordance with the submittal requirements of the Division of Air Quality.
[45CSR§30-8.]

3.5.5. **Compliance certification.** The permittee shall certify compliance with the conditions of this permit on the forms provided by the DAQ. In addition to the annual compliance certification, the permittee may be required to submit certifications more frequently under an applicable requirement of this permit. The annual certification shall be submitted to the DAQ and USEPA on or before March 15 of each year, and shall certify compliance for the period ending December 31. The annual certification to the USEPA shall be submitted in electronic format only. It shall be submitted by e-mail to the following address: R3_APD_Permits@epa.gov. The permittee shall maintain a copy of the certification on site for five (5) years from submittal of the certification.
[45CSR§30-5.3.e.]

3.5.6. **Semi-annual monitoring reports.** The permittee shall submit reports of any required monitoring on or before September 15 for the reporting period January 1 to June 30 and on or before March 15 for the reporting period July 1 to December 31. All instances of deviation from permit requirements must be clearly identified in such reports. All required reports must be certified by a responsible official consistent with 45CSR§30-4.4.
[45CSR§30-5.1.c.3.A.]

3.5.7. **Emergencies.** For reporting emergency situations, refer to Section 2.17 of this permit.

3.5.8. **Deviations.**

a. In addition to monitoring reports required by this permit, the permittee shall promptly submit supplemental reports and notices in accordance with the following:

1. Any deviation resulting from an emergency or upset condition, as defined in 45CSR§30-5.7., shall be reported by telephone or telefax within one (1) working day of the date on which the permittee becomes aware of the deviation, if the permittee desires to assert the affirmative defense in accordance with 45CSR§30-5.7. A written report of such deviation, which shall include the probable cause of such deviations, and any corrective actions or preventative measures taken, shall be submitted and certified by a responsible official within ten (10) days of the deviation.

2. Any deviation that poses an imminent and substantial danger to public health, safety, or the environment shall be reported to the Secretary immediately by telephone or telefax. A written report of such deviation, which shall include the probable cause of such deviation, and any corrective actions or preventative measures taken, shall be submitted by the responsible official within ten (10) days of the deviation.

3. Deviations for which more frequent reporting is required under this permit shall be reported on the more frequent basis.

4. All reports of deviations shall identify the probable cause of the deviation and any corrective actions or preventative measures taken.

[45CSR§30-5.1.c.3.C.]

b. The permittee shall, in the reporting of deviations from permit requirements, including those attributable to upset conditions as defined in this permit, report the probable cause of such deviations and any corrective actions or preventive measures taken in accordance with any rules of the Secretary.
[45CSR§30-5.1.c.3.B.]

3.5.9. **New applicable requirements.** If any applicable requirement is promulgated during the term of this permit, the permittee will meet such requirements on a timely basis, or in accordance with a more detailed schedule if required by the applicable requirement.
[45CSR§30-4.3.h.1.B.]

3.5.10. The formaldehyde emission to the air resulting from an abnormal release or spill in excess fifty (50) pounds shall be reported to the Director or his authorized representative not later than 24-hours after the chemical processing unit owner/operator has knowledge of such emission. Under 45CSR27, the facility's Best Available Technology (BAT) requirement was satisfied by using only low formaldehyde resins in the process.

The owner or operator shall file a written report with the Director stating the details of all such incidents resulting in the emission of more than fifty (50) pounds of any toxic air pollutant within seven (7) days of the occurrence. The owner/operator shall submit to the Director, at his request, records of all abnormal toxic air pollutant discharges to the air.

[45CSR§27-10.4, ~~45CSR13, R13-1843, B.7.,~~ 005-06]

3.5.11. Reserved. ~~**Greenhouse Gas Reporting Requirements**. When applicable, as determined in permit section 3.1.32, greenhouse gas emissions shall be reported pursuant to 45CSR§42-4 including the following:~~

~~a. In accordance with a reporting cycle provided by the Secretary, affected sources shall report to the Secretary the quantity of all greenhouse gases emitted above *de minimis* amounts in the years specified by the Secretary.~~
~~**[45CSR§42-4.1., State Enforceable only.]**~~

~~b. Affected sources shall only be required to report annual quantities of anthropogenic non-mobile source greenhouse gases emitted at the stationary source, and shall not be required to report biogenic emissions of greenhouse gases.~~
~~**[45CSR§42-4.2., State Enforceable only.]**~~

~~c. Reports of greenhouse gas emissions submitted to the Secretary under 45CSR§42-4 shall be signed by a responsible official and shall include the following certification statement: "I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry.~~
~~**[45CSR§42-4.5., State Enforceable only.]**~~

3.5.12. The permittee shall comply with all applicable reporting requirements of 40CFR§63.2280 through 40CFR§63.2283.
[45CSR34, 40CFR§§63.2280 - 63.2283, 45CSR13, R13-1843, 4.4.1.]

3.6. Compliance Plan

3.6.1. None

3.7. Permit Shield

3.7.1. The permittee is hereby granted a permit shield in accordance with 45CSR§30-5.6. The permit shield applies provided the permittee operates in accordance with the information contained within this permit.

3.7.2. The following requirements specifically identified are not applicable to the source based on the determinations set forth below. The permit shield shall apply to the following requirements provided the conditions of the determinations are met.

45CSR17	Weyerhaeuser Buckhannon Facility is subject to 45CSR7 which exempts it from 45CSR17, To Prevent and Control Particulate Matter Air Pollution from Materials Handling, Preparation, Storage and Other Sources of Fugitive Particulate Matter, as stated in 45CSR§7-10.2.
45CSR21	Regulation to Prevent and Control Air Pollution from the Emission of Volatile Organic Compounds. Weyerhaeuser Buckhannon Facility is not located Cabell, Kanawha, Putnam, Wayne, or Wood counties.
45CSR33	Acid Rain Provisions and Permits do not apply to Weyerhaeuser Buckhannon Facility because it is not considered a Title IV (Acid Rain) Source.
40 C.F.R. Part 60 Subpart EE	Standards of Performance for Surface Coating of Metal Furniture. Weyerhaeuser Buckhannon Facility is not engaged in any form of metal furniture surface coating.
40 C.F.R. Part 60 Subpart MM	Standards of Performance for Automobile and Light Duty Truck Surface Coating Operations. Weyerhaeuser Buckhannon Facility is not engaged in the coating of automobiles or light-duty trucks.
40 C.F.R. Part 60 Subpart RR	Standards of Performance for Pressure Sensitive Tape and Label Surface Coating Operations. Weyerhaeuser Buckhannon Facility does not operate a coating line used in the manufacture of pressure sensitive tape and label materials.
40 C.F.R. Part 60 Subpart SS	Standards of Performance for Industrial Surface Coating: Large Appliances. Weyerhaeuser Buckhannon Facility is not engaged in the coating of large appliances.
40 C.F.R. Part 60 Subpart TT	Standards of Performance for Metal Coil Surface Coating. Weyerhaeuser Buckhannon Facility is not engaged in metal coil surface coating.
40 C.F.R. Part Subpart WW	Standards of Performance for the Beverage Can Surface Coating Industry. Buckhannon Facility is not engaged in beverage can surface coating.
40 C.F.R. Part 60 Subpart SSS	Standards of Performance for Magnetic Tape Coating Facilities. Buckhannon Facility is not engaged in coating continuous base film to produce magnetic tape.
40 C.F.R. Part 60 Subpart TTT	Standards of Performance for Industrial Surface Coating: Surface Coating of Plastic Parts for Business Machines. Weyerhaeuser Buckhannon Facility does not operate spray booths in which plastic parts for use in the manufacture of business machines receive prime coats, color coats, texture coats, or touch-up coats.
40 C.F.R. Part 63 Subpart H	National Emission Standards for Organic Hazardous Air Pollutants for Equipment Leaks. Buckhannon Facility does not have a piece of equipment that either contains or contacts a fluid (liquid or gas) that is at least 5 percent by weight of total organic HAP's.
40 C.F.R. Part 63 Subpart JJ	National Emission Standards for Wood Furniture Manufacturing Operations. Weyerhaeuser Buckhannon Facility is not engaged in the manufacture of wood furniture or wood furniture components and the facility is not a major source as defined in 40 C.F.R. § 63.2
40 C.F.R. Part 63 Subpart KKKK	National Emission Standards for Surface Coating of Metal Cans. Weyerhaeuser Buckhannon Facility is not engaged in the manufacture of metal cans and the facility is not a major source as defined in 40 C.F.R. § 63.2.
40 C.F.R. Part 63 Subpart MMMM	National Emission Standards for Surface Miscellaneous Metal Parts. Weyerhaeuser Buckhannon Facility is not engaged in the manufacture of miscellaneous metal parts and the facility is not a major source as defined in 40 C.F.R. § 63.2.
40 C.F.R. Part 63 Subpart QQQQ	National Emission Standards for Surface Coating of Wood Building Products. Weyerhaeuser Buckhannon Facility is not engaged in the manufacture of wood building products and the facility is not a major source as defined in 40 C.F.R. § 63.2.
40 C.F.R. Part 63 Subpart SSSS	National Emission Standards for Metal Coil (Surface Coating). Weyerhaeuser Buckhannon Facility is not engaged in the manufacture of metal coil products and the facility is not a major source as defined in 40 C.F.R. § 63.2.

40 C.F.R. Part 63 Subpart DDDDD	National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, or Institutional Boilers and Process Heaters. This MACT has been vacated and remanded by the United States Court of Appeals for the District of Columbia Circuit on July 30, 2007.
40 C.F.R. Part 64	CAM applies to any pollutant specific emissions units (PSEU) that satisfy all of the applicability criteria requirements of 40 C.F.R. § 64.2 (a), i.e., that: (1) have pre-control regulated pollutant potential emissions (PTE) equal to or greater than the "major" threshold limits to be classified as a major source; (2) are subject to an emission limitation or standard and; (3) have a control device to achieve compliance with such emission limitation or standard. Since this facility does not have PSEU that satisfy the requirements, it is not subject to the CAM rule.
40 C.F.R. Part 72	Acid Rain Program General Provisions does not apply to Weyerhaeuser because it is not considered a Title IV (Acid Rain) Source.

4.0 Source-Specific Requirements [Wood Fired Furnace (001-01) and Standby Furnance (001-02) of source Group 001, Control Device - Electrostatics Precipitator (ESP), Multiclone (MClon) and emission point ID(s) (WoodFurn and StandByFurn1)]

4.1. Limitations and Standards

4.1.1. If US EPA has not already promulgated a standard pursuant to 40 C.F.R. 63 for industrial, commercial, institutional boilers and process heaters, the facility shall submit complete Part 2 112(j) "equivalent emission limitation by permit" application for case-by-case MACT determination, containing the information required in 40 C.F.R. § 63.53 (b), within thirty (30) days of the date for a final rule specified in the final order of the United States District Court for the District of Columbia, which is currently January 16, 2011. All 112(j) "equivalent emission limitation by permit" applications must be submitted to both WVDEP-Division of Air Quality, and Chief of Permits and Technical Branch, US EPA Region III, Mail Code 3AP11, 1650 Arch Street, Philadelphia, PA, 19103-2029.
[45CSR34, 40 C.F.R. § 63.52]

4.1.2. No person shall cause, suffer, allow, or permit emission of smoke and/or particulate matter into the open air from any fuel burning unit which is greater than ten (10) percent opacity based on a six minute block average.
[45CSR§2-3.1.~~, 45CSR13, R13-1843, B.3.~~]

4.1.3. Compliance with the visible emission requirements of Section 4.1.2 [45CSR§2-3.1] shall be determined in accordance with 40 C.F.R. Part 60, Appendix A, Method 9 or by using measurements from continuous opacity monitoring systems approved by the Director. The Director may require the installation, calibration, and operation of continuous opacity monitoring systems and may establish policies for the evaluation of continuous opacity monitoring results and the determination of compliance with the visible emission requirements of Section 4.1.2 [45CSR§2-3.1]. Compliance opacity monitors shall not be required on fuel burning units, which employ wet scrubbing systems for emission control.
[45CSR§2-3.2.~~, 45CSR13, R13-1843, B.3.~~]

4.1.4. No person shall cause, suffer, allow or permit the discharge of particulate matter into the open air from all fuel burning units located at one plant, measured in terms of pounds per hour in excess of the amount determined as follows:

b. For Type 'b' fuel burning units, the product of 0.09 and the total design heat inputs for such units in million B.T.U.'s per hour, provided however that no more than six hundred (600) pounds per hour of particulate matter shall be discharged into the open air from all such units. For the equipment subject to 45CSR§§2-4.1and 4.1.b, compliance for particulate matter emissions will be shown by the more stringent requirements in Sections 4.1.20 and 4.1.21.

Furnaces	Allowable Limits
	LB/hr
Wood Fired Furnace	10.440
Standby Furnace	3.6

[45CSR§§2-4.1. and 4.1.b.~~, 45CSR13, R13-1843, B.3.~~]

4.1.5. No person shall cause, suffer, allow or permit any source of fugitive particulate matter to operate that is not equipped with a fugitive particulate matter control system. This system shall be operated and maintained in such a manner as to minimize the emission of fugitive particulate matter. Sources of fugitive particulate matter associated with fuel burning units shall include, but not be limited to, the following:

a. Stockpiling of ash or fuel either in the open or in enclosures such as silos;

b. Transport of ash in vehicles or on conveying systems, to include spillage, tracking or blowing of particulate matter from or by such vehicles or equipment; and

c. Ash or fuel handling systems and ash disposal areas.

[45CSR§2-5.1.]

4.1.6. The visible emission standards set forth in 45CSR§2-3 shall apply at all times except in periods of start-ups, shutdowns and malfunctions. Where the Director believes that start-ups and shutdowns are excessive in duration and/or frequency, the Director may require an owner or operator to provide a written report demonstrating that such frequent start-ups and shutdowns are necessary.
[45CSR§2-9.1.]

4.1.7. At all times, including periods of start-ups, shutdowns and malfunctions, owners and operators shall, to the extent practicable, maintain and operate any fuel burning unit(s) including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Director, which may include, but is not limited to, monitoring results, visible emission observations, review of operating and maintenance procedures and inspection of the source.
[45CSR§2-9.2.~~, 45CSR13, R13-1843, B.3.~~]

4.1.8. The owner or operator of a fuel burning unit(s) subject to 45CSR2 shall report to the Director any malfunction of such unit or its air pollution control equipment which results in any excess particulate matter emission rate or excess opacity (i.e., emissions exceeding the standards in 45CSR§§2-3 and 4) as provided in one of the following subdivisions:

a. Excess opacity periods meeting the following conditions may be reported on a quarterly basis unless otherwise required by the Director:

1. The excess opacity period does not exceed thirty (30) minutes within any 24-hour period; and

2. Excess opacity does not exceed 40%.

b. The owner or operator shall report to the Director any malfunction resulting in excess particulate matter or excess opacity, not meeting the criteria set forth in Section 4.1.8.a [45CSR§2-9.3.a], by telephone, telefax, or e-mail by the end of the next business day after becoming aware of such condition. The owner or operator shall file a certified written report concerning the malfunction with the Director within thirty (30) days providing the following information:

1. A detailed explanation of the factors involved or causes of the malfunction;

2. The date and time of duration (with starting and ending times) of the period of excess emissions;

3. An estimate of the mass of excess emissions discharged during the malfunction period;

4. The maximum opacity measured or observed during the malfunction;

5. Immediate remedial actions taken at the time of the malfunction to correct or mitigate the effects of the malfunction; and

6. A detailed explanation of the corrective measures or program that will be implemented to prevent a recurrence of the malfunction and a schedule for such implementation.

[45CSR§2-9.3., (001-01)]

4.1.9. No person shall cause, suffer, allow or permit the discharge of sulfur dioxide into the open air from all stacks located at one plant, measured in terms of pounds per hour, in excess of the amount determined as follows:

f. For Type 'b' and Type 'c' fuel burning units, the product of 3.2 and the total design heat inputs for such units discharging through those stacks in million BTU's per hour. For the equipment subject to 45CSR§§10-3.3 and 3.3.f, compliance for sulfur dioxide emissions will be shown by the more stringent requirements in Sections 4.1.20 and 4.1.21.

Furnace	**Allowable Limits**
	LB/hr
Wood Fired Furnace	371.2
Standby Furnace	128

[45CSR§§10-3.3. and 3.3.f.~~, 45CSR13, R13-1843, B.5.~~]

4.1.10. Allowable Emission Rates for Individual Stacks.

a. Unless otherwise approved by the Director, the maximum allowable emission rate for an individual stack shall not exceed by more than twenty-five percent (25%) the emission rate determined by prorating the total allowable emission rate specified in 45CSR§§10-3.1, 3.2, or 3.3, on the basis of individual unit heat input at design capacity for all fuel burning units discharging through that stack.

[45CSR§§10-3.4. and 3.4.a.~~, 45CSR13, R13-1843, B.5.~~]

4.1.11. No person shall cause, suffer, allow, or permit the emission into open air from any source operation an in-stack sulfur dioxide concentration exceeding 2000 ppmv by volume from existing source operations, except as provided in 45CSR§10-4.1.

e. Any owner or operator of a manufacturing process source operation(s) which has the potential to emit less than 500 pounds per year of sulfur oxides.

[45CSR§§10-4.1. and 4.1.e., 001-01]

4.1.12. Compliance with the allowable sulfur dioxide concentration limitations from manufacturing process source operation(s) set forth in 45CSR10 shall be based on a block three-(3) hour averaging time.
[45CSR§10-4.2., 001-01]

4.1.13. Due to unavoidable malfunction of equipment or inadvertent fuel shortages, emissions exceeding those provided for in 45CSR10 may be permitted by the Director for periods not to exceed ten (10) days upon specific application to the Director. Such application shall be made within twenty-four (24) hours of the equipment malfunction or fuel shortage. In cases of major equipment failure or extended shortages of conforming fuels, the Director provided a corrective program has been submitted by the owner or operator and approved by the Director may grant additional time periods.
[45CSR§10-9.1.]

4.1.14. On and after the date on which the initial performance test is completed or is required to be completed under 40 C.F.R. § 60.8, whichever date comes first, no owner or operator of an affected facility that combusts wood, or wood with other fuels, except coal, shall cause to be discharged from that affected facility any gases that contain particulate matter in excess of the following emission limits:

(1) 43 Ng/J (0.10 LB/million Btu) heat input if the affected facility has an annual capacity factor greater than 30 percent (0.30) for wood.

(2) 86 Ng/J (0.20 LB/million Btu) heat input if

(i) The affected facility has an annual capacity factor of 30 percent (0.30) or less for wood,

(ii) Is subject to a federally enforceable requirement limiting operation of the affected facility to an annual capacity factor of 30 percent (0.30) or less for wood, and

(iii) Has a maximum heat input capacity of 73 MW (250 million Btu/hour) or less.

[45CSR16, 40 C.F.R. § 60.43b (c), ~~45CSR13, R13-1843, B.11.,~~ (001-01)]

4.1.15. On and after the date on which the initial performance test is completed or is required to be completed under 40 C.F.R. § 60.8, whichever date comes first, no owner or operator of an affected facility that combusts coal, oil, wood, or mixtures of these fuels with any other fuels shall cause to be discharged into the atmosphere any gases that exhibit greater than 20 percent opacity (6-minute average), except for one 6-minute period per hour of not more than 27 percent opacity. Compliance with the streamlined opacity requirements in Section 4.1.2 [45CSR§2-3.1.] will assure compliance with 40 C.F.R. 60 Subpart Db.
[45CSR16, 40 C.F.R. § 60.43b (f), (001-01)]

4.1.16. The particulate matter and opacity standards apply at all times, except during periods of startup, shutdown or malfunction.
[45CSR16, 40 C.F.R. § 60.43b (g), (001-01)]

4.1.17. For purposes of Section 4.1.20 [40 C.F.R. § 60.44b (i)], the nitrogen oxide standards under this section apply at all times including periods of startup, shutdown, or malfunction.
[45CSR16, 40 C.F.R. § 60.44b (h), (001-01)]

4.1.18. Except as provided under 40 C.F.R. § 60.44b (j), compliance with the emission limits under this section is determined on a 30-day rolling average basis.
[45CSR16, 40 C.F.R. § 60.44b (i), (001-01)]

4.1.19. Compliance with the particulate matter emission standards under 40 C.F.R. § 60.43b shall be determined through performance testing as described in 40 C.F.R. § 60.46b (d).
[45CSR16, 40 C.F.R. § 60.46b (b), (001-01)]

4.1.20. Air pollutant emissions from the emission point, WoodFurn, serving the wood-waste fired furnace, Source ID 001-01, shall not exceed any of the following limitations:

Pollutant	Emission Rate (LB/hr)
Carbon Monoxide (CO)	41.0
Nitrogen Oxides (NO_x)	38.5
Particulate Matter (PM)	3.0
Sulfur Dioxide (SO_2)	1.5
Volatile Organic Compounds (VOC)	4.5

This satisfies 45CSR§§2-4.1and 4.1.b (Section 4.1.4) and 45CSR§§10-3.3 and 3.3.f (Section 4.1.9).

[45CSR13, R13-1843, ~~A.9.~~ 4.1.9., (001-01)]

4.1.21. Air pollutant emissions from emission point, StandByFurn1, serving the Standby Furnace shall not exceed the following limitations:

Pollutant	Emission Rate (LB/hr)
Carbon Monoxide (CO)	1.39
Nitrogen Oxides (NO_x)	9.0
Particulate Matter (PM)	1.0
Sulfur Dioxide (SO_2)	0.5
Volatile Organic Compounds (VOC)	1.86

This satisfies 45CSR§§2-4.1and 4.1.b (Section 4.1.4) and 45CSR§§10-3.3 and 3.3.f (Section 4.1.9).
[45CSR13, R13-1843, ~~A.12.~~ 4.1.12., (001-02)]

4.1.22. The wood-waste fuel feed rate to the furnace shall not exceed 25,550 pounds per hour or 111,930 tons per year.
[45CSR13, R13-1843, ~~A.7.~~ 4.1.7., (001-01)]

4.1.23. The permittee shall not burn any washwater waste stream containing phenol-formaldehyde resin in the furnace. If the washwater waste stream is determined to be non-hazardous through a hazardous waste review then it may be burned in the furnace provided that the emission limits under Section 4.1.20 are not exceeded and formaldehyde emissions do not result from such burning.
[45CSR13, R13-1843, ~~A.8.~~ 4.1.8., (001-01)]

4.1.24. The permittee shall burn no more than one (1) ton per month of non-hazardous waste oils, oily rags and adsorbent materials saturated with such oils. Said burning shall not result in emissions in excess of the limitations set forth in Section 4.1.20. The permittee shall perform a hazardous waste review on an annual basis to insure that routine procedures consistently produce non-hazardous waste materials. The results of these hazardous waste reviews shall be forwarded to the Director of the Division of Air Quality no later than thirty (30) days after a determination has been made. A Responsible Official shall certify said results to be accurate and true.
[45CSR13, R13-1843, ~~A.13.~~ 4.1.14., (001-01)]

4.2. Monitoring Requirements

4.2.1. The owner or operator of a fuel burning unit(s) shall monitor compliance with 45CSR§2-3 as set forth in an approved monitoring plan (see Appendix) for each emission unit. Such monitoring plan(s) shall include, but not be limited to, one or more of the following: continuous measurement of emissions, monitoring of emission control equipment, periodic parametric monitoring, or such other monitoring as approved by the Director.
[45CSR§2-8.2.a.]

4.2.2. The owner or operator of an affected facility subject to the opacity standard under 40 C.F.R. § 60.43b shall install, calibrate, maintain, and operate a continuous monitoring system for measuring the opacity of emissions discharged to the atmosphere and record the output of the system.
[45CSR16, 40 C.F.R. § 60.48b (a), ~~45CSR13, R13-1843, B.8.,~~ (001-01)]

4.2.3. Reserved. ~~The continuous monitoring system shall meet the requirements of Performance Specification 1 found in 40 C.F.R. Part 60 Appendix B.~~
~~**[45CSR13, R13-1843, B.9., (001-01)]**~~

4.2.4. The procedures under 40 C.F.R. § 60.13 shall be followed for installation, evaluation, and operation of the continuous monitoring systems.

(1) For affected facilities combusting coal, wood or municipal-type solid waste, the span value for a continuous monitoring system for measuring opacity shall be between 60 and 80 percent.

[45CSR16, 40 C.F.R. § 60.48b (e) (1), ~~45CSR13, R13-1843, B.8.,~~ (001-01)]

4.2.5. The permittee shall monitor visible emissions from 001-01 (Wood Fired Furnace) in accordance with the following procedures, test methods and frequencies:

a. Monitoring of opacity from the 001-01 (Wood Fired Furnace) shall be accomplished by utilizing a continuous opacity monitoring system (COMS) in accordance with Sections 4.2.2 and 4.2.4.

b. All visible emissions tests shall be conducted during operating conditions that have the potential to create visible emissions.

c. If the observer is unable to conduct the tests due to unit downtime, visual interference's caused by other visible emission sources (e.g. fugitive emissions during high wind conditions), or due to weather conditions such as fog, heavy rain, or snow, the observer shall note such conditions on the data observation sheet and make at least three (3) attempts to conduct the tests at approximately 2-hour intervals throughout the day. The permittee shall attempt to make the observations daily until a valid observation period is completed.

[45CSR § 30-5.1.c., (001-01)]

4.3. Testing Requirements

4.3.1. The owner or operator of a fuel burning unit(s) shall demonstrate compliance with 45CSR§2-3 by periodic testing in accordance with 40 C.F.R. Part 60 Appendix A, Method 9, or a certified continuous opacity monitoring system, as approved by the Director, and 45CSR§2-4 by periodic particulate matter stack testing, conducted in accordance with the appropriate test method set forth in the Appendix to 45CSR2 or other equivalent EPA approved method approved by the Director. The owner or operator shall conduct such testing at a frequency to be established by the Director.
[45CSR§2-8.1.a.~~, 45CSR13, R13-1843, B.2.~~]

4.3.2. The permittee shall conduct tests to determine compliance with the particulate matter (PM) emission limitations in Sections 4.1.20 (Wood Fired Furnace). The Methods listed below from Appendix A of 40 C.F.R. Part 60 shall be utilized for purposes of conducting performance tests, unless the Director approves an alternate or equivalent method. The Standby Furnace is exempt from CO and PM testing since the Standby Furnace combusts natural gas and its design heat input is less than 100 MMBtu/hr. Requirements shall be met with respect to submission of a test protocol and notification of testing.

Pollutant	**Method**
Nitrogen Oxides (NO_x)	7
Carbon Monoxide (CO)	10
Volatile Organic Compounds (VOC)	25 or 25A
Particulate Matter (PM)	5

Tests for nitrogen oxides (NO_x) were conducted in August of 2005, 2008, and 2010 for the Wood Furnace and resulted in mass emission rates between 50% and 90 % for each test. The results of those tests showed that the current nitrogen oxides (NO_x), and testing frequency is "Once/ 3 years." A test for particulate matter (PM), carbon monoxide (CO), and Volatile Organic Compounds (VOC) was conducted in August of 2005 and 2010 resulted in mass emission rates ≤50%. The results of this test showed that the current particulate matter (PM), carbon monoxide (CO), and Volatile Organic Compounds (VOC) testing frequency is "Once/5 years." Subsequent testing to determine compliance with the nitrogen oxides (NO_x), particulate matter (PM), carbon monoxide (CO), and Volatile Organic Compounds (VOC) limitations of Section 4.1.20 shall be conducted in accordance with the schedule set forth in the following table.

Tests for nitrogen oxides (NO_x) and Volatile Organic Compounds (VOC) were conducted in August of 2005 and 2010 for the Standby Furnace and resulted in mass emission rates ≤50% for each test. The results of those tests showed that the current nitrogen oxides (NO_x) and Volatile Organic Compounds (VOC) testing frequency is "Once/ 5 years." Subsequent testing to determine compliance with the nitrogen oxides (NO_x) and volatile organic compounds (VOC) limitations of Section 4.1.21 shall be conducted in accordance with the schedule set forth in the following table:

Test	Test Results	Testing Frequency
Annual	If annual testing is required, after two successive tests indicate mass emission rates between 50% and 90 % NO_x, CO, PM, VOC limits	Once/3 years
Annual	If annual testing is required, after three successive tests indicate mass emission rates ≤50% of NO_x, CO, PM, VOC limits	Once/5 years
Once/3 years	If testing is required once/3 years, after two successive tests indicate mass emission rates ≤50% of NO_x, CO, PM, VOC limits	Once/5 years
Once/3 years	If testing is required once/3 years and any tests indicate mass emission rates between 50% and 90 % NO_x, CO, PM, VOC limits	Once/3 years
Once/3 years	If testing is required once/3 years and any test indicates a mass emission rate ≥90% of NO_x, CO, PM, VOC limits	Annual
Once/5 years	If testing is required once/5 years and any test indicates a mass emission rate ≤50% of NO_X, CO, PM, VOC limits	Once/5 years
Once/5 years	If testing is required once /5 years and any test indicates mass emission rates between 50% and 90 % of NO_x, CO, PM, VOC limits	Once/3 years
Once/5 years	If testing is required once/5 years and any test indicates a mass emission rate ≥90% of NO_x, CO, PM, VOC limits	Annual

[45CSR§30-5.1.c., 45CSR§2-8.1.~~, 45CSR13, R13-1843, B.20., B.21., B.19., B.16., B.22.~~]

4.3.3. Continual compliance with the proposed emission limits for the Standby Furnace shall be demonstrated by using only natural gas or propane as fuel.
[45CSR§30-5.1.c., 001-02]

4.3.4. Continual compliance with the proposed emission limits for sulfur dioxide shall be demonstrated utilizing only wood-waste and other materials specified in this permit in the Wood Fired Furnace. Fuel quality reports for Wood Fired Furnace will be submitted annually and an initial characterization from each supplier of natural gas or propane is to be conducted for the Standby Furnace as required by 45CSR2 and 45CSR10.
[45CSR§30-5.1.c., 001-01 and 001-02]

4.3.5. The permittee shall demonstrate compliance with the carbon monoxide, nitrogen oxide, and VOC emissions limitations by monitoring and recording the following parameters for the Wood Fired Furnace. Unless different ranges for the parameters are established through testing Section 4.3.2, which demonstrate compliance with the carbon monoxide emission limitation, said parameters shall be maintained within the design specifications indicated below. If new parameters ranges are established through testing Section 4.3.2, the permit must be revised to reflect the new ranges, which will be relied on to, demonstrate compliance with the carbon monoxide emission limitation.

i. Furnace exhaust oxygen content between 4% and 15% except during periods when the furnace is in an "idle" mode.

ii. The oxygen content shall be recorded once every 12 hours while the unit is operating.

iii. For the nitrogen oxides, the average firebox temperature shall not exceed 1900°F.

iv. In the case of VOC's, the permittee may conduct an approved compliance test to demonstrate that the Wood Fired Furnace and Standby Furnace can operate in compliance with their emission limits with parameters outside the ranges specified in the compliance determination methods above or at production rates greater than the current limits.

[45CSR§30-5.1.c., 001-01 and 001-02]

4.3.6. For particulate matter emissions compliance, the permittee shall monitor and record the following parameters for the Wood Fired Furnace. Unless different ranges for the parameters are established through Section 4.3.2, which demonstrate compliance with the particulate matter emission limitation, said parameters shall be maintained within the design specifications indicated below. If new parameters ranges are established through Section 4.3.2, the permit must be revised to reflect the new ranges, which will be relied on to, demonstrate compliance with the particulate matter emission limitation.

i. Operating voltages on the ESP of 20 to 60 Kilovolts.

ii. Operating current on the ESP of 100 to 500 milliamps.

iii. Monitored parameters will be recorded once every 24 hours when the unit is operating.

[45CSR§30-5.1.c., 001-01]

4.3.7. At such reasonable times as the Director may designate, the owner or operator of any fuel burning unit(s) may be required to conduct or have conducted tests to determine the compliance of such unit(s) with the emission limitations of section 4. Such tests shall be conducted in accordance with the appropriate method set forth in the Appendix to this rule or other equivalent EPA approved method approved by the Director. The Director, or his duly authorized representative, may at his option witness or conduct such tests. Should the Director exercise his option to conduct such tests, the operator will provide all necessary sampling connections and sampling ports located in such manner as the Director may require, power for test equipment, and the required safety equipment such as scaffolding, railings and ladders to comply with generally accepted good safety practices.
[45CSR§2-8.1.b., 001-02]

4.3.8. The Director, or his duly authorized representative, may conduct such other tests as he may deem necessary to evaluate air pollution emissions other than those noted in 45CSR§2-4.1.
[45CSR§2-8.1.c., 001-02]

4.4. Recordkeeping Requirements

4.4.1. The owner or operator of a fuel burning unit(s) shall maintain on-site all records of monitored data established in the monitoring plan pursuant to 45CSR§2-8.2.a. Such records shall be made available to the Director or his duly authorized representative upon request. Such records shall be retained on-site for a minimum of five years. Compliance with this requirement may be satisfied through compliance with the requirements of the approved 45CSR2 Monitoring Plan (see Appendix) submitted on August 26, 2001 and any amendments thereto.
[45CSR§2-8.3.a.]

4.4.2. The owner or operator shall maintain records of the operating schedule and the quantity and quality of fuel consumed in each fuel burning unit in a manner to be established by the Director. Such records are to be maintained on-site and made available to the Director or his duly authorized representative upon request. Compliance with this requirement may be satisfied through compliance with the requirements of the approved 45CSR2 Monitoring Plan (see Appendix) submitted on August 26, 2001 and any amendments thereto.
[45CSR§2-8.3.c.]

4.4.3. The owner or operator of an affected facility shall record and maintain records of the amounts of each fuel combusted during each day and calculate the annual capacity factor individually for coal, distillate oil, residual oil, natural gas, wood, and municipal-type solid waste for the reporting period. The annual capacity factor is determined on a 12-month rolling average basis with a new annual capacity factor calculated at the end of each calendar month.
[45CSR16, 40 C.F.R. § 60.49b (d), ~~45CSR13, R13-1843, B.12.,~~ 001-01]

4.4.4. For facilities subject to the opacity standard under 40 C.F.R. § 60.43b, the owner or operator shall maintain records of opacity.
[45CSR16, 40 C.F.R. § 60.49b (f), ~~45CSR13, R13-1843, B.12.,~~ 001-01]

4.4.5. All records required under this section shall be maintained by the owner or operator of the affected facility for a period of 2 years following the date of such record. Compliance with the streamlined retention of records requirement in Section 3.4.2 will assure compliance with this requirement.
[45CSR16, 40 C.F.R. § 60.49b (o), ~~45CSR13, R13-1843, B.12.,~~ Furnace (001-01)]

4.4.6 The owner or operator of each affected facility shall record and maintain records of the amounts of each fuel combusted during each day.
[45CSR16, 40 C.F.R. § 60.48c (g), 001-02]

4.4.7. All records required under 40 C.F.R. § 60.48c shall be maintained by the owner or operator of the affected facility for a period of two (2) years following the date of such record. Compliance with the streamlined retention of records requirement in Section 3.4.2 will assure compliance with this requirement.
[45CSR16, 40 C.F.R. § 60.48c (i), 001-02]

4.4.8. Compliance with the requirements to submit data on operating schedules and the quality of fuel used in the Wood Fired Furnace and Standby Furnace from 45CSR2 and 45CSR10 shall be demonstrated as described below:

1. The owner or operator of a fuel burning unit(s) shall maintain records of the operating schedule for each unit. Such records shall include, but may not be limited to the date and time of start-ups and shutdowns. Said records shall be maintained on site and shall be made available to the Director or his/her duly authorized representative upon request.
[001-01 and 001-02]

2. The owner or operator of a fuel burning unit(s) that burns gaseous fuel, liquid fossil fuel, or wood shall maintain records of the quantity of fuel burned in such units on a monthly basis. Said records shall be maintained on site and shall be made available to the Director or his/her duly authorized representative upon request.
[001-01 and 001-02]

3. The owner or operator of a fuel burning unit(s) that burns gaseous fuels shall maintain records on the quality of fuel burned in such units. Said records shall include, but not necessarily be limited to, the ash, sulfur, moisture, volatile matter, and BTU content of the fuel consumed. Such requirement for determining quality of fuel consumed shall be satisfied by an initial characterization of the fuel for each fuel supplier. Those records shall be maintained on site and shall be made available to the Director or his/her duly authorized representative upon request.
[001-02]

4. The owner or operator of a fuel burning unit(s) which burns wood shall maintain records of the quality of fuel burned in such units. Said records shall include, but not necessarily be limited to, the ash, sulfur, moisture, volatile matter, and BTU content of the fuel consumed. The quality of fuel consumed in such units shall be determined annually. Those records shall be maintained on site and shall be made available to the Director or his/her duly authorized representative upon request.
[**001-01]**

[45CSR § 30-5.1.c.]

4.4.9. Continual compliance with the PM emission limitations for the Standby Furnace shall be demonstrated by maintaining records of fuel usage.
[45CSR § 30-5.1.c., ~~45CSR13, R13-1843, B.17.,~~ 001-02]

4.4.10. Compliance with disposal requirements for specified process-related waste materials via combustion in the Wood Fired Furnace (001-01) shall be determined by recording and maintaining the following information at the permitted facility for a period of five (5) years, and made available to the Director of the Division of Air Quality, his/her designated representative, upon request:

a. Amounts of wood waste (Section 4.1.22) charged to Wood Fired Furnace to be combusted as fuel in the Wood Fired Furnace (001-01) shall be recorded on a daily basis and totaled per calendar month. Hourly usage shall be back calculated using actual hours of operation. Annual usage shall be determined on a 12-month rolling total.

b. A hazardous waste characterization for the washwater waste (Section 4.1.23) shall be conducted on an annual basis to determine that no phenol-formaldehyde resin is present for disposal via combustion. Unless a change is realized and then semi-annual testing would be required until approval of annual testing is granted by the Director or his or designee. The characterization method and results of such determination is to be forwarded to the Director of the Division of Air Quality no later than thirty (30) days after determination has been made. A Responsible Official shall certify said results to be accurate and true.

c. If the permittee burns non-hazardous waste oils, oily rags and adsorbent materials saturated with such oils (Section 4.1.24), the shall determine the amounts and types of non-hazardous wastes (oils, rags, adsorbents, etc.) charged to Wood Fired Furnace to be combusted shall be recorded on a daily basis and totaled at the end of each calendar month. Hourly charge rates shall be back calculated using actual hours of operation. Annual usage shall be determined on a 12-month rolling total.

[45CSR§30-5.1.c., 001-01]

4.5. Reporting Requirements

4.5.1. The owner or operator shall submit a periodic exception report to the Director, in a manner and at a frequency to be established by the Director. Such exception report shall provide details of all excursions outside the range of measured emissions or monitored parameters established in an approved monitoring plan, and shall include, but not be limited to, the time of the excursion, the magnitude of the excursion, the duration of the excursion, the cause of the excursion and the corrective action taken.
[45CSR§2-8.3.b.]

4.5.2. The owner or operator of any affected facility in any category listed in Section 4.5.2 (1) or (2) [40 C.F.R. § 60.49b (h) (1) or (2)] is required to submit excess emission reports for any excess emissions, which occurred during the reporting period.

(1) Any affected facility subject to the opacity standards under 40 C.F.R. § 60.43b (e) or to the operating parameter monitoring requirements under 40 C.F.R. § 60.13 (i) (1).

(2) Any affected facility that is subject to the nitrogen oxides standard of 40 C.F.R. § 60.44b, and that

(i) Combusts natural gas, distillate oil, or residual oil with a nitrogen content of 0.3 weight percent or less, or

(ii) Has a heat input capacity of 73 MW (250 million Btu/hour) or less and is required to monitor nitrogen oxides emissions on a continuous basis under 60.48b (g) (1) or steam generating unit operating conditions under 40 C.F.R. § 60.48b (g) (2).

(3) For the purpose of 40 C.F.R. § 60.43b, excess emissions are defined as all 6-minute periods during which the average opacity exceeds the opacity standards under Section 4.1.15 [40 C.F.R. § 60.43b (f)].

(4) For purposes of 40 C.F.R. § 60.48b (g) (1), excess emissions are defined as any calculated 30-day rolling average nitrogen oxides emission rate, as determined under 40 C.F.R. § 60.46b (e), which exceeds the applicable emission limits in 40 C.F.R. § 60.44b.

[45CSR16, 40 C.F.R. § 60.49b (h), ~~45CSR13, R13-1843, B.12.,~~ 001-01]

4.5.3. The reporting period for the reports required under 40 C.F.R. Part 60 Subpart Dc is each six-month period. All reports shall be submitted to the Administrator and shall be postmarked by the 30th day following the end of the reporting period.
[45CSR16, 40 C.F.R. § 60.48c (j), 001-02]

4.6. Compliance Plan

4.6.1. None

APPENDIX

45CSR2 Monitoring Plan

- **Wood Fired Boiler 4 (116 MMBtu/hr)**

Division of Air Quality
7012 MacCorkle Avenue, SE
Charleston, WV 25304-2943
Telephone Number: (304) 926-3647
Fax Number: (304) 926-3739

West Virginia Department of Environmental Protection

Bob Wise
Governor

Michael O. Callaghan
Secretary

August 30, 2001

Curtis Rhodes, Jr.
Trus Joist
100 TJM Drive
Buckhannon, WV 25201

RE: ID # 097-00029
45 CSR 2 and 45 CSR 10 Compliance Plan

ID No. 097-00029 Reg. 2+10
Company Trus Joist
Facility Buckhannon Region 08
Initials SKC

Dear Mr. Rhodes

The Division of Air Quality (DAQ) is pleased to inform you that the West Virginia Air Regulation 2A & 10A Monitoring Plan, submitted pursuant to 45 CSR 2 and 45 CSR 10 for the Trus Joist Plant located in Buckhannon, WV has been approved as submitted.

Should you have any questions or require additional information, please contact Laura Crowder of my staff at (304) 926-3647.

Approved: _____ Date: 8-30-01
John A. Benedict, Deputy Director
Division of Air Quality

NON-CONFIDENTIAL

TrusJoist
A Weyerhaeuser Business

April 26, 2001

Ms. Laura Crowder
WV Office of Air Quality
7012 MacCorkle Avenue SE
Charleston, WV 25304

Re: 45CSR2 & 45CSR10 Monitoring Plans

Dear Laura:

In accordance with Section 8.2.a. of 45CSR2, I am enclosing the required monitoring plan for the wood-fired furnace in operation at the Buckhannon Facility. Since the boilers combust wood and natural gas, each are exempt from the testing, monitoring, recordkeeping and reporting requirements established in subsection 10.3 of 45CSR10.

Should you have any questions concerning the enclosed monitoring plan, please call me at (304)-472-8564 Ext. 244.

Sincerely,

Curtis R. Rhodes, Jr.
Plant Engineer

100 TJM Drive ▲ Buckhannon, West Virginia 26201 ▲ Phone 304.472.8564 ▲ Fax 304.472.7395 (Main)

Printed in U.S.A.

45CSR2 Monitoring Plan

Emission Unit Description:

- 116 MMBtu/hr Geka Thermal Systems (GTS) Wood-Fired Furnace

- 40 MM Btu/hr Gordon Piatt Natural Gas-Fired Back-Up Furnace (Exempt per 45-2-8.4.b. and 45-2-8.4.c.)

Monitoring Plan:

Weyerhaeuser Buckhannon Facility will comply with the requirement for a monitoring plan as specified in section 8.2.a. of 45CSR2 by the operation of a Continuous Opacity Monitor (COM). Under Section 8.2.a.1. of 45CSR2 the operation of a COM is deemed to satisfy the requirement for the aforementioned monitoring plan.

Monitored Data:

The following data are recorded, kept on-site and available for review:

- Chart recordings from the COM
- COM calibration records
- Filter disc calibration
- Quarterly COM reports
- COM maintenance records
- COM downtime reports
- Fuel usage records
- Fuel quality analysis

Associated Permits:

Weyerhaeuser Buckhannon Facility currently operates under Title V Operating Permit (R30-09700029) and construction permit (R13-1843B). Weyerhaeuser was required in both permits to install and operate a COM as specified in 40 CFR 60 Subpart Db.