



North Carolina Department of Environment and Natural Resources

Division of Air Quality
Michael F. Easley, Governor

William G. Ross, Jr., Secretary
B. Keith Overcash, P.E., Director

March 17, 2006

Mr. Robert B. Jordan III
Jordan Lumber & Supply, Inc.
P.O. Box 98
Mt. Gilead, North Carolina 27306

Dear Mr. Jordan:

**SUBJECT: Air Quality Permit No. 03469T18
Facility ID: 6200015
Jordan Lumber & Supply, Inc.
Mt. Gilead
Montgomery County
Fee Class: Title V**

In accordance with your completed Air Quality Permit Application received February 15, 2006, we are forwarding herewith Air Quality Permit No. 03469T18 to Jordan Lumber & Supply, Inc., 1959 Highway 109 South, Mt Gilead, Montgomery County, North Carolina authorizing the operation, as outlined in Part I and the construction, as outlined in Part II of the emission source(s) and associated air pollution control device(s) specified herein. Additionally, any emissions activities determined from your Air Quality Permit Application as being insignificant per 15A North Carolina Administrative Code 2Q .0503 have been listed for informational purposes as an "ATTACHMENT." Please note the requirements for the annual compliance certification are contained in General Condition P in Section 3 of Part I. **The current owner is responsible for submitting a compliance certification for the entire year regardless of who owned the facility during the year.**

The Permittee shall notify the EPA with written notification at least seven days before the "change is made" pursuant to 15A NCAC 2Q .0523(a)(1)(C) for the air emission source(s) (ID No. B06)

As the designated responsible official it is your responsibility to review, understand, and abide by all of the terms and conditions of the attached permit. It is also your responsibility to ensure that any person who operates any emission source and associated air pollution control device subject to any term or condition of the attached permit reviews, understands, and abides by the condition(s) of the attached permit that are applicable to that particular emission source.

Permitting Section

1641 Mail Service Center, Raleigh, North Carolina 27699-1641
2728 Capital Blvd., Raleigh, North Carolina 27604
Phone: 919-715-6235 / FAX 919-733-5317 / Internet: www.ncair.org

One
North Carolina
Naturally

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If any parts, requirements, or limitations contained in this Air Quality Permit are unacceptable to you, you have the right to request a formal adjudicatory hearing within 30 days following receipt of this permit, identifying the specific issues to be contested. This hearing request must be in the form of a written petition, conforming to NCGS (North Carolina General Statutes) 150B-23, and filed with **both** the Office of Administrative Hearings, 6714 Mail Service Center, Raleigh, North Carolina 27699-6714 and the Division of Air Quality, Permitting Section, 1641 Mail Service Center, Raleigh, North Carolina 27699-1641. The form for requesting a formal adjudicatory hearing may be obtained upon request from the Office of Administrative Hearings. Unless a request for a hearing is made pursuant to NCGS 150B-23, this Air Quality Permit shall be final and binding.

You may request modification of your Air Quality Permit through informal means pursuant to NCGS 150B-22. This request must be submitted in writing to the Director and must identify the specific provisions or issues for which the modification is sought. Please note that this Air Quality Permit will become final and binding regardless of a request for informal modification unless a request for a hearing is also made under NCGS 150B-23.

The construction of new air pollution emission source(s) and associated air pollution control device(s), or modifications to the emission source(s) and air pollution control device(s) described in this permit must be covered under an Air Quality Permit issued by the Division of Air Quality prior to construction unless the Permittee has fulfilled the requirements of GS 143-215-108(b) and received written approval from the Director of the Division of Air Quality to commence construction. Failure to receive an Air Quality Permit or written approval prior to commencing construction is a violation of GS 143-215.108 and may subject the Permittee to civil or criminal penalties as described in GS 143-215.114A and 143-215.114B.

This Air Quality Permit shall be effective from March 17, 2006 until December 31, 2010, is nontransferable to future owners and operators, and shall be subject to the conditions and limitations as specified therein.

For purposes of increment tracking, sulfur dioxide emissions from this facility have increased by 32.5 pounds per hour.

Should you have any questions concerning this matter, please contact William Willets at (919) 715-6252.

Sincerely yours,

Laura S. Butler, P.E.
Chief

Enclosure

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c: Fayetteville Regional Office
Central Files
Connie Horne

State of North Carolina,
Department of Environment,
and Natural Resources



Division of Air Quality

AIR QUALITY PERMIT

Permit No.	Replaces Permit No.(s)	Effective Date	Expiration Date
03469T18	03469T17	March 17, 2006	December 31, 2010

Until such time as this permit expires or is modified or revoked, the below named Permittee is authorized to operate, as outlined in Part I, and to construct, as outlined in Part II, the emission source(s) and associated air pollution control device(s) specified herein, in accordance with the terms, conditions, and limitations within this permit. This permit is issued under the provisions of Article 21B of Chapter 143, General Statutes of North Carolina as amended, and Title 15A North Carolina Administrative Codes (15A NCAC), Subchapters 2D and 2Q, and other applicable Laws.

Pursuant to Title 15A NCAC, Subchapter 2Q, the Permittee shall not construct, operate, or modify any emission source(s) or air pollution control device(s) without having first submitted a complete Air Quality Permit Application to the permitting authority and received an Air Quality Permit, except as provided in this permit.

Permittee: **Jordan Lumber & Supply Company, Inc.**

Facility ID: **6200015**

Facility Site Location: **1959 Highway 109 South**
City, County, State, Zip: **Mt. Gilead, Montgomery County, North Carolina 27306**

Mailing Address: **PO Box 98**
City, State, Zip: **Mt. Gilead, North Carolina 27306**

Application Number: **6200015.05C**
Complete Application Date: **February 15, 2006**
Renewal Application Due Date: **April 30, 2010**

Primary SIC Code: **2421**
Division of Air Quality,
Regional Office Address: **Fayetteville Regional Office**
225 Green Street, Suite 714
Fayetteville, North Carolina 28301-5043

Permit issued this the 17th day of March, 2006

Laura S. Butler, P.E., Chief, Air Permits Section
By Authority of the Environmental Management Commission

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PART I

The Division of Air Quality (DAQ), the United States Environmental Protection Agency (EPA), and citizens as defined under the Federal Clean Air Act have the authority to enforce the terms, conditions, and limitations contained in Part I of this permit unless otherwise specified.

Under Title 15A NCAC 2Q, the operation of emission source(s) and associated air pollution control device(s) and appurtenances listed in Part I of this permit is based on plans, specifications, operating parameters, and other information as submitted in the Air Quality Permit Application.

SECTION 1- PERMITTED EMISSION SOURCE (S) AND ASSOCIATED AIR POLLUTION CONTROL DEVICE (S) AND APPURTENANCES

The following table contains a summary of all permitted emission sources and associated air pollution control devices and appurtenances:

Emission Source ID No.	Emission Source Description	Control Device ID No.	Control Device Description
NSPS B01, B02, and B03	three wood-fired boilers with pyrolytic-type burners and without flyash reinjection (26.8 million Btu per hour maximum heat input each)	C01, C02, and C03	three multicyclones (49 six-inch diameter tubes each) installed one per boiler
NSPS B04	one wood-fired boiler with a stoker-type burner and without flyash reinjection (28.8 million Btu per hour maximum heat input)	C06a and C06b	one primary multicyclone (16 nine-inch diameter tubes) installed in series with one secondary multicyclone (44 six-inch diameter tubes)
NSPS MACT B06**	one natural gas/landfill gas/No. 2 fuel oil-fired boiler (64.0 million Btu per hour maximum heat input)	N/A	N/A
PO1 and PO2	two planer/hog woodwaste collection systems	BH01 and BH02	two bagfilters (7,555 square feet of filter area each) installed one per planer/hog woodwaste collection system
PSD K-1, K-2	two gasified wood-fired lumber kilns (30 million Btu per hour maximum heat input rate each)	N/A	N/A

Emission Source ID No.	Emission Source Description	Control Device ID No.	Control Device Description
MACT PSD K-3 through K-8*	six steam heated lumber kilns	N/A	N/A

* Only kiln No. 8 is subject to MACT at this time.

**This emission source (ID No. B06) is permitted under Part II Construction Permit as a 15A NCAC 2Q .0502(b)(10) modification. The permit shield described in General Condition R does not apply and compliance certification as described in General Condition P is not required.

SECTION 2 - SPECIFIC LIMITATIONS AND CONDITIONS

2.1- Emission Source(s) and Control Devices(s) Specific Limitations and Conditions

The emission source(s) and associated air pollution control device(s) and appurtenances listed below are subject to the following specific terms, conditions, and limitations, including the testing, monitoring, recordkeeping, and reporting requirements as specified herein:

A. Four wood-fired boilers without flyash reinjection (ID Nos. B01, B02, B03, and B04) and associated multicyclones (ID Nos. C01, C02, C03, C06a, and C06b)

The following table provides a summary of limits and standards for the emission sources described above:

Regulated Pollutant	Limits/Standards	Applicable Regulation
particulate matter	<i>for boilers (ID Nos. B01, B02, and B03)</i> 0.44 pounds per million Btu <i>for boiler (ID No. B04)</i> 0.41 pounds per million Btu	15A NCAC 2D .0504
sulfur dioxide	2.3 pounds per million Btu	15A NCAC 2D .0516
visible emissions	20 percent opacity	15A NCAC 2D .0521
odors	See Multiple Emission Sources Subsection 2.2 - State-enforceable Only	15A NCAC 2D .1806

Regulated Pollutant	Limits/Standards	Applicable Regulation
n/a	recordkeeping/reporting	15A NCAC 2D .0524 Subpart Dc, 40 CFR Part 60.48c

1. 15A NCAC 2D .0504: PARTICULATES FROM WOODBURNING INDIRECT HEAT EXCHANGERS

- a. Emissions of particulate matter from the combustion of wood that are discharged from boilers (ID Nos. B01, B02, and B03) into the atmosphere shall not exceed **0.44 pounds per million Btu heat input**. Emissions of particulate matter from the combustion of wood that are discharged from boiler (ID No. B04) into the atmosphere shall not exceed **0.41 pounds per million Btu heat input**. [15A NCAC 2D .0504]

Testing [15A NCAC 2D .0501(c)(3)]

- b. If emission testing is required, the testing shall be performed in accordance with and General Condition JJ. If the results of this test are above the limit given in Section 2.1 A. 1. a. above, the Permittee shall be deemed in noncompliance with 15A NCAC 2D .0504.

Monitoring [15A NCAC 2Q .0508(f)]

- c. Particulate matter emissions from the boilers shall be controlled by the multicyclones (ID Nos. C01, C02, C03, C06a, and C06b). To assure compliance, the Permittee shall perform inspections and maintenance as recommended by the manufacturer. In addition to the manufacturer's inspection and maintenance recommendations, or if there is no manufacturer's inspection and maintenance recommendations, as a minimum, the inspection and maintenance requirement must include the following:
- i. a monthly external visual inspection of the system ductwork and material collection unit for leaks; and
 - ii. an annual internal inspection of the multicyclones' structural integrity.
- The Permittee shall be deemed in noncompliance with 15A NCAC 2D .0504 if the multicyclones and ductwork are not inspected and maintained.

Recordkeeping [15A NCAC 2Q .0508(f)]

- d. The results of inspections and maintenance shall be maintained in a logbook (written or electronic format) on-site and made available to an authorized representative upon request. The logbook shall record the following:
- i. the date and time of each recorded action;
 - ii. the results of each inspection;
 - iii. a report of any maintenance performed on the multicyclones; and
 - iv. any variance from manufacturer's recommendations, if any, and corrections made.

Reporting [15A NCAC 2Q .0508(f)]

- e. Within 30 days of a written request from the DAQ, the Permittee shall submit a report of any maintenance performed on the multicyclones.

- f. The Permittee shall submit a summary report of monitoring and recordkeeping activities postmarked on or before January 30 of each calendar year for the preceding six-month period between July and December, and July 30 of each calendar year for the preceding six-month period between January and June. All instances of deviations from the requirements of this permit must be clearly identified.

2. 15A NCAC 2D .0516: SULFUR DIOXIDE EMISSIONS FROM COMBUSTION SOURCES

- a. Emissions of sulfur dioxide from these boilers (ID Nos. B01, B02, B03, and B04) shall not exceed **2.3 pounds per million Btu heat input**. Sulfur dioxide formed by the combustion of sulfur in fuels, wastes, ores, and other substances shall be included when determining compliance with this standard. [15A NCAC 2D .0516]

Testing [15A NCAC 2D .0501(c)(4)]

- b. If emission testing is required, the testing shall be performed in accordance with 15A NCAC 2D .0501(c)(4) and General Condition JJ found in Section 3. If the results of this test are above the limit given in Section 2.1 A. 2. a. above, the Permittee shall be deemed in noncompliance with 15A NCAC 2D .0516.

Monitoring/Recordkeeping/Reporting [15A NCAC 2Q .0508(f)]

- c. No monitoring/recordkeeping/reporting is required for sulfur dioxide emissions from the firing of wood in these boilers.

3. 15A NCAC 2D .0521: CONTROL OF VISIBLE EMISSIONS

- a. Visible emissions from these boilers (ID Nos. B01, B02, B03 and B04) shall not be more than **20 percent opacity** when averaged over a six-minute period. However, six-minute averaging periods may exceed 20 percent not more than once in any hour and not more than four times in any 24-hour period. In no event shall the six-minute average exceed 87 percent opacity. [15A NCAC 2D .0521 (d)]

Testing [15A NCAC 2D .0501(c)(8)]

- b. If emission testing is required, the testing shall be performed in accordance with 15A NCAC 2D .0501(c)(8) and General Condition JJ. If the results of this test are above the limit given in Section 2.1 A.3. a. above, the Permittee shall be deemed in noncompliance with 15A NCAC 2D .0521.

Monitoring [15A NCAC 2Q .0508(f)]

- c. To assure compliance, **once a day** the Permittee shall observe the emission points of these boilers for any visible emissions above normal. If visible emissions from this source are observed to be above normal, the Permittee shall either: (a) be deemed to be in noncompliance with 15A NCAC 2D .0521 or (b) demonstrate that the percent opacity from the emission points of the emission source in accordance with 15A NCAC 2D .0501(c)(8) is below the limit given in Section 2.1 A.3. a. above. If the demonstration in (b) above cannot be made, the Permittee shall be deemed to be in noncompliance with 15A NCAC 2D .0521.

- d. The person primarily responsible for performing visible observations shall be trained and certified as a qualified observer under Method 9 of Appendix A of 40 CFR in accordance with 15A NCAC 2D .0501(c)(8).

Recordkeeping [15A NCAC 2Q .0508(f)]

- e. The results of the monitoring shall be maintained in a logbook (written or electronic format) on-site and made available to an authorized representative upon request. The logbook shall record the following:
 - i. the date and time of each recorded action;
 - ii. the results of each observation and/or test noting those sources with emissions that were observed to be in noncompliance along with any corrective actions taken to reduce visible emissions; and
 - iii. the results of any corrective actions performed.
- f. Training and certification records for the qualified observer shall be maintained for a period of two years.

Reporting [15A NCAC 2Q .0508(f)]

- g. The Permittee shall submit a summary report of the observations postmarked on or before January 30 of each calendar year for the preceding six-month period between July and December, and July 30 of each calendar year for the preceding six-month period between January and June. All instances of deviations from the requirements of this permit must be clearly identified.

4. 15A NCAC 2D .0524: NSPS 40 CFR PART 60 SUBPART Dc

- a. The Permittee shall comply with all applicable provisions, including the notification, testing, reporting, recordkeeping, and monitoring requirements contained in Environmental Management Commission Standard 15A NCAC 2D .0524 "New Source Performance Standards (NSPS) as promulgated in 40 CFR Part 60 Subpart Dc, including Subpart A "General Provisions." [15A NCAC 2D .0524]

B. Two planer/hog woodwaste collection systems (ID Nos. P01 and P02) and associated bagfilters (ID Nos. BH01 and BH02)

The following table provides a summary of limits and standards for the emission sources described above:

Regulated Pollutant	Limits/Standards	Applicable Regulation
particulate matter	adequate duct work and properly designed collectors	15A NCAC 2D .0512
visible emissions	20 percent opacity	15A NCAC 2D .0521
Odors	See Multiple Emission Sources Subsection 2.2 - State-enforceable Only	15A NCAC 2D .1806

1. 15A NCAC 2D .0512: PARTICULATES FROM MISCELLANEOUS WOOD PRODUCTS FINISHING PLANTS

- a. The Permittee shall not cause, allow, or permit particulate matter caused by the working, sanding, or finishing of wood to be discharged from any stack, vent, or building into the atmosphere without providing, as a minimum for its collection, adequate duct work and properly designed collectors. In no case shall the ambient air quality standards be exceeded beyond the property line.

Monitoring [15A NCAC 2Q .0508(f)]

- b. Particulate matter emissions from the two planer/hog woodwaste collection systems (ID Nos. P01 and P02) shall be controlled by two bagfilters (ID Nos. BH01 and BH02). To assure compliance, the Permittee shall perform inspections and maintenance as recommended by the manufacturer, if any. As a minimum, the inspection and maintenance program shall include:
 - i. monthly external inspections of the duct work and bagfilters noting the structural integrity.
 - ii. annual internal inspection of the bagfilters noting the structural integrity and the condition of the filters.
 - iii. maintaining duct work free of leaks and holes.The Permittee shall be deemed in noncompliance with 15A NCAC 2D .0512 if the ductwork and bagfilters are not inspected and maintained.

Recordkeeping [15A NCAC 2Q .0508(f)]

- c. The results of inspections and maintenance for the bagfilters shall be maintained in a logbook (written or electronic format) on-site and made available to an authorized representative upon request. The logbook shall record the following:
 - i. the date and time of each recorded action;
 - ii. the results of each inspection; and
 - iii. the results of maintenance performed on any control device.

Reporting [15A NCAC 2Q .0508 (f)]

- d. The Permittee shall submit the results of any maintenance performed on the control device within 30 days of a written request by the DAQ.
- e. The Permittee shall submit a summary report of monitoring and recordkeeping activities postmarked on or before January 30 of each calendar year for the preceding six-month period between July and December, and July 30 of each calendar year for the preceding six-month period between January and June. All instances of deviations from the requirements of this permit must be clearly identified.

2. 15A NCAC 2D .0521: CONTROL OF VISIBLE EMISSIONS

- a. Visible emissions from the planer/hog woodwaste collection systems (ID Nos P01 and P02) shall not be more than **20 percent opacity** when averaged over a six-minute period. However, six-minute averaging periods may exceed 20 percent not more than once in any hour and not more than four times in any 24-hour period. In no event shall the six-minute average exceed 87 percent opacity. [15A NCAC 2D .0521 (d)]

Testing [15A NCAC 2D .0501(c)(8)]

- b. If emission testing is required, the testing shall be performed in accordance with 15A NCAC 2D .0501(c)(8) and General Condition JJ. If the results of this test are above the limit given in Section 2.1 B. 2. a. above, the Permittee shall be deemed in noncompliance with 15A NCAC 2D .0521.

Monitoring [15A NCAC 2Q .0508(f)]

- c. To assure compliance, **once every six months** the Permittee shall observe the emission points of these sources for any visible emissions above normal. If visible emissions from these sources are observed to be above normal, the Permittee shall either: (a) be deemed to be in noncompliance with 15A NCAC 2D .0521 or (b) demonstrate that the percent opacity from the emission points of the emission source in accordance with 15A NCAC 2D .0501(c)(8) is below the limit given in Section 2.1 B.2. a. above. If the demonstration in (b) above cannot be made, the Permittee shall be deemed to be in noncompliance with 15A NCAC 2D .0521.

Recordkeeping [15A NCAC 2Q .0508(f)]

- d. The results of the monitoring shall be maintained in a logbook (written or electronic format) on-site and made available to an authorized representative upon request. The logbook shall record the following:
 - i. the date and time of each recorded action;
 - ii. the results of each observation and/or test noting those sources with emissions that were observed to be in noncompliance along with any corrective actions taken to reduce visible emissions; and
 - iii. the results of any corrective actions performed.

Reporting [15A NCAC 2Q .0508(f)]

- e. The Permittee shall submit a summary report of the observations postmarked on or before January 30 of each calendar year for the preceding six-month period between July and December and July 30 of each calendar year for the preceding six-month period between January and June. All instances of deviations from the requirements of this permit must be clearly identified.

C. One natural gas/landfill gas/No. 2 fuel oil-fired boiler (64.0 million Btu/hr maximum heat input rate, ID No. B05)

The following table provides a summary of limits and standards for the emission sources described above:

Regulated Pollutant	Limits/Standards	Applicable Regulation
particulate matter	0.35 pounds per million Btu	15A NCAC 2D .0503
sulfur dioxide	2.3 pounds per million Btu when not firing No. 2 fuel oil	15A NCAC 2D .0516

Regulated Pollutant	Limits/Standards	Applicable Regulation
visible emissions	20 percent opacity when not firing No. 2 fuel oil	15A NCAC 2D .0521
visible emissions	20 percent opacity when firing No. 2 fuel oil	15A NCAC 2D .0524 Subpart Dc, 40 CFR Part 60.48c
sulfur dioxide	0.5 percent sulfur fuel oil	15A NCAC 2D .0524 Subpart Dc, 40 CFR Part 60.48c
hazardous air pollutants	0.03 lbs PM/million Btu heat input of particulate matter 0.0005 lbs/million Btu heat input of hydrogen chloride 400 ppm by volume of carbon monoxide on a dry basis, corrected to 3 percent oxygen	15A NCAC 2D .1111 40 CFR Part 63 Subpart DDDDD
sulfur dioxide	40 tons per year	15A NCAC 2Q .0317

1. 15A NCAC 2D .0503: PARTICULATES FROM FUEL BURNING INDIRECT HEAT EXCHANGERS

- a. Emissions of particulate matter from the combustion of natural gas/landfill gas that are discharged from boiler (ID Nos. B05) into the atmosphere shall not exceed **0.35 pounds per million Btu heat input**. [15A NCAC 2D .0503(a)]

Testing [15A NCAC 2D .0501(c)(3)]

- b. If emission testing is required, the testing shall be performed in accordance with and General Condition JJ. If the results of this test are above the limit given in Section 2.1 C. 1. a. above, the Permittee shall be deemed in noncompliance with 15A NCAC 2D .0503.

Monitoring/Recordkeeping/Reporting [15A NCAC 2Q .0508(f)]

- c. No monitoring/recordkeeping/reporting is required for particulate emissions from the firing of natural gas/landfill gas in this source.

2. 15A NCAC 2D .0516: SULFUR DIOXIDE EMISSIONS FROM COMBUSTION SOURCES

- a. Emissions of sulfur dioxide from this boiler (ID Nos. B05) shall not exceed **2.3 pounds per million Btu heat input** when not firing No. 2 fuel oil. Sulfur dioxide formed by the

combustion of sulfur in fuels, wastes, ores, and other substances shall be included when determining compliance with this standard. [15A NCAC 2D .0516]

Testing [15A NCAC 2D .0501(c)(4)]

- b. If emission testing is required, the testing shall be performed in accordance with 15A NCAC 2D .0501(c)(4) and General Condition JJ found in Section 3. If the results of this test are above the limit given in Section 2.1 C. 2. a. above, the Permittee shall be deemed in noncompliance with 15A NCAC 2D .0516.

Monitoring/Recordkeeping/Reporting [15A NCAC 2Q .0508(f)]

- c. No monitoring/recordkeeping/reporting is required for sulfur dioxide emissions from the firing of natural gas/landfill gas in this source.

3. 15A NCAC 2D .0521: CONTROL OF VISIBLE EMISSIONS

- a. Visible emissions from this boiler (ID Nos. B05) shall not be more than **20 percent opacity** when not firing No. 2 fuel oil when averaged over a six-minute period. However, six-minute averaging periods may exceed 20 percent not more than once in any hour and not more than four times in any 24-hour period. In no event shall the six-minute average exceed 87 percent opacity. [15A NCAC 2D .0521 (d)]

Testing [15A NCAC 2D .0501(c)(8)]

- b. If emission testing is required, the testing shall be performed in accordance with 15A NCAC 2D .0501(c)(8) and General Condition JJ. If the results of this test are above the limit given in Section 2.1 C.3. a. above, the Permittee shall be deemed in noncompliance with 15A NCAC 2D .0521.

Monitoring/Recordkeeping/Reporting [15A NCAC 2Q .0508(f)]

- c. No monitoring/recordkeeping/reporting is required for visible emissions from the firing of natural gas/landfill gas in this source

4. 15A NCAC 2D .0524: NSPS 40 CFR PART 60 SUBPART Dc

- a. The Permittee shall comply with all applicable provisions, including the notification, testing, reporting, recordkeeping, and monitoring requirements contained in Environmental Management Commission Standard 15A NCAC 2D .0524 "New Source Performance Standards (NSPS) as promulgated in 40 CFR Part 60 Subpart Dc, including Subpart A "General Provisions." [15A NCAC 2D .0524]

Emission Limitations [15A NCAC 2D .0524]

- b. The maximum sulfur content of any fuel oil received and burned in the boiler shall not exceed 0.5 percent by weight.
- c. Visible emissions from this source shall not be more than 20 percent opacity when averaged over a six-minute period, except for one six-minute period per hour of not more than 27 percent opacity.

Monitoring [15A NCAC 2Q .0508(f)]

- d. Sulfur dioxide emissions shall be monitored as follows:
 Fuel supplier certification shall be used to demonstrate compliance as described under 40 CFR, 60.46c(e).
 The Permittee shall be deemed in noncompliance with 15A NCAC 2D .0524 if sulfur dioxide emissions are not monitored as described above.

Recordkeeping [15A NCAC 2Q .0508(f)]

- e. In addition to any other recordkeeping required by 40 CFR, 60.48c or recordkeeping requirements of the EPA, the Permittee shall record and maintain records of the amounts of each fuel fired during each day.
 The Permittee shall be deemed in noncompliance with 15A NCAC 2D .0524 if these records are not maintained.

Reporting [15A NCAC 2Q .0508(f)]

- f. In addition to any other reporting required by 40 CFR, 60.48c or notification requirements to the EPA, the Permittee is required to NOTIFY the DAQ in writing of the following:
 - i. a summary report, acceptable to the Regional Air Quality Supervisor, of the sulfur content of the distillate or residual fuel oil fired, by January 30 of each calendar year for the preceding six-month period between July and December and July 30 of each calendar year for the preceding six-month period between January and June as follows:
 - (A) Distillate Oil - Fuel supplier certification shall include the following information:
 - (1) the name of the oil supplier;
 - (2) a statement from the oil supplier that the oil complies with the specification under the definition of distillate oil in 40 CFR, 60.41c; and
 - (3) a certified statement signed by the owner or operator of an affected facility that the records of fuel supplier certification submitted represents all of the fuel fired during the semi annual period.
 - (B) Residual Oil - The report shall include the results of the fuel oil sampling and analysis as required in condition 2.1(A)(4)(e)(ii).
 - ii. All instances of deviations from the requirements of this permit must be clearly identified.

5. 15A NCAC 2D .1111 (40 CFR 63, Subpart DDDDD): National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters

The Permittee shall comply with all applicable provisions contained in Environmental Management Commission Standard 15A NCAC 2D .1111 “Maximum Achievable Control Technology” as promulgated in 40 CFR Part 63, Subpart DDDDD.

Table 1 - EMISSION LIMITS: (For New Large boiler – Liquid Fuel Fired)

Pollutant	Limit
Particulate matter (PM)	0.03 lbs PM/million Btu heat input
Hydrogen Chloride (HCl)	0.0005 lbs/million Btu heat input
Carbon Monoxide (CO)	400 ppm by volume on a dry basis @ 3% oxygen (3-run average)

A. Demonstration of compliance with CO emissions by performance test:

The emission of CO shall not exceed the rate stated in Table 1 above. The Permittee demonstrating compliance with CO emissions using a performance test shall adhere to the following:

General Requirements [§63.7505]:

1. The Permittee must develop and implement a written startup, shutdown, and malfunction plan (SSMP) according to 40 CFR § 63.6 (e)(3) [63.7505(e)];
2. The Permittee must maintain CO level below 400 ppm at all times from the boiler, except during periods of startup, shutdown, and malfunction [§63.7505(a)];
3. The boiler shall use an oxygen correction factor of 3 percent for CO;
4. The Permittee minimize emissions during periods of SSM according to 40 CFR § 63.6(e)(1)(i). [§63.7505(b)].

Initial Requirements [§63.7510(c)]:

1. The Permittee must conduct initial performance tests and develop a site-specific test plan according to 40 CFR §63. 7(c), (d), f, and (h). [§63.7520(a)]
2. To conduct an initial performance test for CO, the Permittee must: [§63.7510(c), Table 5 of subpart DDDDD]
 - a. Select the sampling ports location and the number of traverse points using method 1 in appendix A of 40 CFR §60 or methods approved by DAQ;
 - b. Determine oxygen and carbon dioxide concentrations of the stack gas utilizing method 3A or 3B in appendix A 40 CFR §60 or methods approved by DAQ;
 - c. Measure the moisture content of the stack gas using method 4 in appendix A 40 CFR §60 or methods approved by DAQ;
 - d. Determine oxygen and carbon monoxide emission concentrations of the stack gas by method 10, 10A, or 10B in appendix A 40 CFR §60 or methods approved by DAQ.

Continuous Compliance [§63.7515, §63.7520]:

1. The Permittee must conduct annual performance tests for CO and follow the following procedures: [§63.7, Table 5 of subpart DDDDD [§63.7520(a), (b)]
 - a. Select the sampling ports location and the number of traverse points;
 - b. Determine oxygen and carbon dioxide concentrations of the stack gas;
 - c. Measure the moisture content of the stack gas;
 - d. Measure the carbon monoxide emission concentration, and
 - e. All the methods have to be approved by DAQ for all the above tests and methods.
2. Use 3-run averages during the annual CO performance test.
3. Complete test between 10 and 12 months after previous performance test, and [§63.7515(e)]
4. Must report the results of performance tests within 60 days after the completion of the performance tests. This report should also verify that the operating limits for the boiler, has not changed. [§63.7515(g)]
5. Must operate according to the Start-up, Shutdown, Malfunction plan (SSM) during periods of SSM [§63.7540(c)].

Initial Notification [§63.7545]:

1. The Permittee must submit all of the testing and monitoring notifications in General Provisions [40 CFR § 63.7545(a)]
2. The Permittee must submit an initial notification not later than 15 days of the startup of the boiler. [63.7545(c)]
3. The Permittee must submit a notification of intent to conduct a performance test at least 30 days before the performance test is scheduled to begin. [§63.7545(d)]

Notification of Compliance Status [§63.7545(e) (1) thru (9) that applies]:

1. The Permittee must submit a Notification of Compliance Status (NOCS) as specified in 40 CFR § 63.9(h)(2)(ii). For each initial compliance test, the Permittee must submit the Notification of Compliance Status, including all performance test results before the close of business on the 60th day following the completion of the performance test according to 40 CFR §63.10(d)(2). The Notification of Compliance Status report must contain all the following information: [§63.7545(e) (1) thru (9) as applies]
 - a. A description of the boiler including identification of the boiler subcategory, the boiler rating, description of the fuel burned, and justification for the fuel burned during the performance test. [§63.7545(e) (1)]
 - b. Summary of the results of the performance tests and calculations conducted to demonstrate initial compliance including all established operating limits. [§63.7545(e) (2)]
 - c. a signed certification that you have met all applicable emission limits for CO, [§63.7545(e) (6)]
 - d. a summary of the carbon monoxide emissions monitoring data and the maximum carbon monoxide emission levels recorded during the performance test to show that you have met the emission limit for CO. [§63.7545(e) (7)]
 - e. If there was a deviation from any emission limit, the Permittee must also submit a description of the deviation, the duration of the deviation, and the corrective action taken in the Notification of Compliance Status report. [63.7545(e) (9)]

Semiannual Compliance Report [§63.7550 (e)]:

1. Unless DAQ has approved a different schedule for submission of reports the Permittee must submit a semiannual compliance report postmarked on or before January 30 of each calendar year for the preceding six-month period between July and December and July 30 of each calendar year for the preceding six-month period between January and June. All instances of deviations from the requirements of this permit must be clearly identified. This report must include: [§63.7550(c) (1) thru (11) that applies]
 - a. Company name and address.
 - b. 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.
 - c. Date of report and beginning and ending dates of the reporting period.
 - d. The total fuel used by the boiler for each calendar month within the semiannual reporting period.
 - e. A summary of the results of the annual performance tests and documentation of any operating limits that were reestablished during this test, if applicable.
 - f. A signed statement indicating that you burned no new types of fuel.
 - g. If you had a startup, shutdown, or malfunction during the reporting period and you took

actions consistent with your SSMP, the compliance report must include the information as per 40 CFR §63.10(d)(5)(i).

- h. If there are no deviations from any emission limits, a statement that there were no deviations from the emission limits during the reporting period.

B. Demonstration of compliance with emission of particulate matter (PM), and Hydrogen Chloride (HCL)

The emission of these pollutants should not exceed the emission rate for each pollutant as stated in Table 1 above. The Permittee shall demonstrate compliance with PM and HCL and shall adhere to the following:

General Requirements [§63.7505]:

The Permittee to demonstrate compliance with any applicable emission limit through fuel selection.

1. Minimize emissions during periods of SSM according to §63.6(e)(1)(i) [63.7505(b)]
2. Develop and implement a SSM plan according to §63.6(e)(3) [§63.7505(e)]

Initial Requirements [§63.7510(c)]:

The Permittee shall include a signed statement in the Notification of Compliance Status report required in §63.7545(e) that indicates that the boilers burn only liquid fossil fuels other than residual oils, either alone or in combination with gaseous fuels. [§63.7506(a)(1)]

Continuous Compliance [§63.7506]:

1. The Permittee shall keep records that demonstrate that the boilers burn only liquid fossil fuels other than residual oils, either alone or in combination with gaseous fuels [§63.7506(a)(1)]
2. Include a signed statement in each semiannual Compliance Report required in §63.7550 that indicates you burned only liquid fossil fuels other than residual oils, either alone or in combination with gaseous fuels, during the reporting period §63.7506(a)(2)

Records and Reports

1. Submit the Initial Notification in accordance with §63.7545.
2. Submit the Notification of Compliance Status in accordance with §63.7545.
3. Submit the Semiannual Compliance Report in accordance with §63.7550.
4. Keep records in accordance with §63.7555

**6. 15A NCAC 2Q. 0317: AVOIDANCE CONDITIONS for
15A NCAC 2D. 0530: PREVENTION OF SIGNIFICANT DETERIORATION**

- a. In order to avoid applicability of 15A NCAC 2D .0530 (g) for major sources and major modifications, the boiler (ID No. B06) shall discharge into the atmosphere less than 40 tons of sulfur dioxide per consecutive 12-month period. [15A NCAC 2D .0530]

Testing [15A NCAC 2Q .0501 (c)(4)]

- b. If emissions testing is required, the Permittee shall perform such testing in accordance with General Condition JJ. If the results of this test are above the limit given in Section 2.2 A.2.a., the Permittee shall be deemed in noncompliance with 15A NCAC 2D .0530.

Monitoring/Recordkeeping [15A NCAC 2Q .0508 (f)]

- c. The Permittee shall keep monthly records of the amount of fuel used and the fuel oil sulfur content, including certification of the fuel, in a logbook (written or in electronic format). The Permittee shall be deemed in noncompliance with 15A NCAC 2D .0530 if the sulfur content of the fuel is not monitored.
- d. The use of fuel in boilers (ID No. B06) shall be limited such that sulfur dioxide emissions shall not exceed 40 tons for any consecutive 12-month period. Calculations shall be made monthly and recorded in a logbook (written or in electronic format), according to the following formula:

$$X = Y \times 0.6 \frac{\text{lbs sulfur dioxide}}{\text{million cubic feet}} + Z \times \frac{150 \text{ lbs sulfur dioxide}}{1000 \text{ gallon fuel oil}} \times S$$

Where: X is the total actual emissions of sulfur dioxide in pounds

Y is the total amount of natural gas/landfill gas used in the boilers in cubic feet

Z is the amount of No. 2 fuel oil used in the boilers in gallons

S is the percent sulfur in the No. 2 fuel oil

The Permittee shall be deemed in noncompliance with 15A NCAC 2D .0530 if the above records are not kept or if the sulfur dioxide emissions exceed the limit in Section 2. 1(A)(i.) (a).

Reporting [15A NCAC 2Q .0508(f)]

- e. The Permittee shall submit a semi-annual summary report, acceptable to the Regional Air Quality Supervisor, of monitoring and recordkeeping activities postmarked on or before January 30 of each calendar year for the preceding six-month period between July and December, and July 30 of each calendar year for the preceding six-month period between January and June. The report shall contain the following:
 - i. The monthly sulfur dioxide emissions for the previous 17 months. The emissions must be calculated for each of the 12-month periods over the previous 17 months;
 - ii. The monthly quantities of natural gas/landfill gas and No. 2 fuel oil consumed for the previous 17 months; and
 - iii. The average sulfur content of the No. 2 fuel oil.

D. Six steam heated lumber kilns (ID Nos. K-3, K-4, K-5, K-6, K-7, and K-8)

The following table provides a summary of limits and standards for the emission sources described above:

Regulated Pollutant	Limits/Standards	Applicable Regulation
Odors	See Multiple Emission Sources Subsection 2.2 - State-enforceable Only	15A NCAC 2D .1806
PSD VOCs	3.97 pounds per thousand board feet, as pinene	15A NCAC 2D .0530

toxic air pollutants	See Multiple Emission Sources Subsection 2.2 - State-enforceable Only	15A NCAC 2D .1100
MACT VOCs (K-8 only)	General Provisions	15A NCAC 2D .1111 40 CFR Subpart 63 Subpart DDDD

1. 15A NCAC 2D. 0530: PREVENTION OF SIGNIFICANT DETERIORATION

Regulatory Requirement

- a. In order to comply with Best Available Control Technology (BACT), the facility shall discharge into the atmosphere no more than 3.97 pounds per thousand board feet, as pinene, of volatile organic compounds. [15A NCAC 2D .0530]

Monitoring/Recordkeeping/Reporting [15A NCAC 2Q .0508(f)]

- b. No monitoring, recordkeeping, or reporting is required for volatile organic compound emissions from these sources.

2. 15A NCAC 2D .1111: MAXIMUM AVAILABLE CONTROL TECHNOLOGY

- a. The steam heated lumber drying kiln (ID No. K8) are affected sources as defined in 40 CFR 63.2231(a). The Permittee shall comply with all applicable provisions, including the notification, testing, reporting, recordkeeping, and monitoring requirements contained in Environmental Management Commission Standard 15A NCAC 2D .1111 "Maximum Available Control Technology" (MACT) as promulgated in 40 CFR Part 63 Subpart DDDD, including Subpart A "General Provisions."

E. Two gasified wood-fired lumber kilns (ID Nos. K-1 and K-2)

The following table provides a summary of limits and standards for the emission sources described above:

Regulated Pollutant	Limits/Standards	Applicable Regulation
odors	See Multiple Emission Sources Subsection 2.2 - State-enforceable Only	15A NCAC 2D .1806

Regulated Pollutant	Limits/Standards	Applicable Regulation
particulate matter	For $P < 30$ tons per hour: $E = 4.10P^{0.67}$ where E = allowable emission rate in pounds per hour P = process weight in tons per hour, and For $P > 30$ tons per hour: $E = 55.0P^{0.11} - 40$ where E = allowable emission rate in pounds per hour P = process weight in tons per hour	15A NCAC 2D .0515
sulfur dioxide	2.3 pounds per million Btu heat input	15A NCAC 2D .0516
visible emissions	20 percent opacity	15A NCAC 2D .0521
PSD VOCs	4.29 pounds per thousand board feet, as pinene	15A NCAC 2D .0530
toxic air pollutants	See Multiple Emission Sources Subsection 2.2 - State-enforceable Only	15A NCAC 2D .1100

1. 15A NCAC 2D .0515: PARTICULATES FROM MISCELLANEOUS INDUSTRIAL PROCESSES

- a. Emissions of particulate matter from these sources shall not exceed an allowable emission rate as calculated by the following equation: [15A NCAC 2D .0515(a)]

$$E = 4.10 \times P^{0.67}$$

Where E = allowable emission rate in pounds per hour
P = process weight in tons per hour

Liquid and gaseous fuels and combustion air are not considered as part of the process weight

Testing [15A NCAC 2Q .0501 (c)(3)]

- b. If emissions testing is required, the testing shall be performed in accordance with General Condition JJ. If the results of this test are above the limit given in Section 2.1 E. 1. a. above, the Permittee shall be deemed in noncompliance with 15A NCAC 2D .0515.

Monitoring/Recordkeeping/Reporting [15A NCAC 2Q .0508(f)]

- c. No monitoring/recordkeeping/reporting is required for particulate emissions from these sources.

2. 15A NCAC 2D .0516: SULFUR DIOXIDE EMISSIONS FROM COMBUSTION SOURCES

- a. Emissions of sulfur dioxide from this source shall not exceed 2.3 pounds per million Btu heat input. Sulfur dioxide formed by the combustion of sulfur in fuels, wastes, ores, and other substances shall be included when determining compliance with this standard. [15A NCAC 2D .0516]

Testing [15A NCAC 2D .0501(c)(4)]

- b. If emissions testing is required, the testing shall be performed in accordance with 15A NCAC 2D .0501(c)(4) and General Condition JJ found in Section 3. If the results of this test are above the limit given in Section 2.1 E. 2. a. above, the Permittee shall be deemed in noncompliance with 15A NCAC 2D .0516.

Monitoring/Recordkeeping/Reporting [15A NCAC 2Q .0508(f)]

- c. No monitoring/recordkeeping/reporting is required for sulfur dioxide emissions from these sources.

3. 15A NCAC 2D .0521: CONTROL OF VISIBLE EMISSIONS

- a. Visible emissions from these sources shall not be more than 20 percent opacity when averaged over a six-minute period. However, six-minute averaging periods may exceed 20 percent not more than once in any hour and not more than four times in any 24-hour period. In no event shall the six-minute average exceed 87 percent opacity. [15A NCAC 2D .0521 (d)]

Testing [15A NCAC 2D .0501(c)(8)]

- b. If emissions testing is required, the testing shall be performed in accordance with 15A NCAC 2D .0501(c)(8) and General Condition JJ. If the results of this test are above the limit given in Section 2.1 E.3. a. above, the Permittee shall be deemed in noncompliance with 15A NCAC 2D .0521.

Monitoring/Recordkeeping/Reporting [15A NCAC 2Q .0508(f)]

- c. No monitoring, recordkeeping, or reporting is required for visible emissions from these sources.

4. 15A NCAC 2D. 0530: PREVENTION OF SIGNIFICANT DETERIORATION

- a. In order to comply with Best Available Control Technology (BACT), the facility shall discharge into the atmosphere no more than 4.29 pounds per thousand board feet, as pinene, of volatile organic compounds. [15A NCAC 2D .0530]

Monitoring/Recordkeeping/Reporting [15A NCAC 2Q .0508(f)]

- b. No monitoring, recordkeeping, or reporting is required for volatile organic compound emissions from these sources

2.2-Multiple Emission Source(s) Specific Limitations and Conditions

A. All emission sources

The following table provides a summary of limits and standards for the emission sources described above:

Regulated Pollutant	Limits/Standards	Applicable Regulation
odors	odorous emissions must be controlled - State-enforceable Only	15A NCAC 2D .1806
PM	144 tons per year	15A NCAC 2Q .0317
PM ₁₀	121 tons per year	
NO _x	108.4 tons per year	
CO	287 tons per year	

State-Only Requirement

1. 15A NCAC 2D .1806: CONTROL AND PROHIBITION OF ODOROUS EMISSIONS

- a. The Permittee shall not operate the facility without implementing management practices or installing and operating odor control equipment sufficient to prevent odorous emissions from the facility from causing or contributing to objectionable odors beyond the facility's boundary.

2. 15A NCAC 2Q. 0317: AVOIDANCE CONDITIONS for 15A NCAC 2D. 0530: PREVENTION OF SIGNIFICANT DETERIORATION

- a. In order to avoid applicability of 15A NCAC 2D .0530 (g) for major sources and major modifications, the facility shall discharge into the atmosphere less than 144 tons of particulate matter, 121 tons of particulate matter less than ten microns in diameter, 108.4 tons of nitrogen oxide, and 287 tons of carbon monoxide per consecutive 12-month period. [15A NCAC 2D .0530]

Testing [15A NCAC 2Q .0501 (c)(4)]

- b. If emissions testing is required, the Permittee shall perform such testing in accordance with General Condition JJ. If the results of this test are above the limit given in Section 2.2 A.2.a., the Permittee shall be deemed in noncompliance with 15A NCAC 2D .0530.

Monitoring/Recordkeeping [15A NCAC 2Q .0508 (f)]

- c. The Permittee shall keep monthly records of the amount of lumber dried in the kilns, the amount of wood burned in the gasified wood-fired kilns, the amount of natural gas/landfill gas burned in the boiler, and the amount of wood burned in the boilers in a logbook (written or in electronic format). The Permittee shall be deemed in noncompliance with 15A NCAC 2D .0530 if this data is not monitored.

- b. The amount of lumber dried in the kilns, the amount of wood burned in the gasified wood-fired kilns, the amount of natural gas/landfill gas burned in the boiler, and the amount of wood burned in the boilers shall be limited such that emissions remain below the limits listed above for any consecutive 12-month period. Calculations shall be made monthly, using approved emission factors, and recorded in a logbook (written or in electronic format).

The Permittee shall be deemed in noncompliance with 15A NCAC 2D .0530 if the above records are not kept or if the emissions of any pollutant exceeds the limit in Section 2.2 A.2.a.

Reporting [15A NCAC 2Q .0508(f)]

- e. The Permittee shall submit a summary report of monitoring and recordkeeping activities postmarked on or before January 30 of each calendar year for the preceding six-month period between July and December and July 30 of each calendar year for the preceding six-month period between January and June. All instances of deviations from the requirements of this permit must be clearly identified. The report shall contain:
 - i. The monthly emissions of each pollutant listed in 2.2 A.2.a for each of the previous 17 months and for each of the six 12-month periods over the previous 17 months;
 - ii. The monthly quantities of lumber dried in the kilns, of wood burned in the gasified wood-fired kilns, of natural gas/landfill gas burned in the boiler, and of wood burned in the boilers for each of the previous 17 months and for each of the six 12-month periods over the previous 17 months;

B. Six steam heated lumber drying kilns (ID Nos. K3 through K8) and two gasified wood-fired lumber drying kilns (ID Nos. K1 and K2)

The following table provides a summary of limits and standards for the emission sources described above:

Regulated Pollutant	Limits/Standards	Applicable Regulation
formaldehyde phenol acrolein Arsenic Benzene Cadmium & compounds 1,2,3,6,7,8-hexachlorodibenzo-p-dioxin hydrogen chloride	Limits as contained below: State-enforceable Only	15A NCAC 2D .1100

State -Only Requirement

2. 15A NCAC 2D .1100: TOXIC AIR POLLUTANT EMISSION LIMITATION AND REPORTING REQUIREMENT

- a. Pursuant to 15A NCAC 2D .1100 and in accordance with the approved application for an air toxic compliance demonstration, the following emission limits shall not be exceeded from all sources, including fugitive sources.

Hourly Pollutants

Emission Sources	Toxic Air Pollutant	Emission Limit (lb per hour)
lumber drying kiln (ID No. K-1)	acrolein	0.043
	formaldehyde	0.520
	hydrogen chloride	0.217
	phenol	0.129
lumber drying kiln (ID No. K-2)	acrolein	0.043
	formaldehyde	0.520
	hydrogen chloride	0.217
	phenol	0.129
lumber drying kiln (ID No. K-3)	acrolein	0.022
	formaldehyde	0.084
	phenol	0.065
lumber drying kiln (ID No. K-4)	acrolein	0.022
	formaldehyde	0.084
	phenol	0.065
lumber drying kiln (ID No. K-5)	acrolein	0.068
	formaldehyde	0.266
	phenol	0.205
lumber drying kiln (ID No. K-6)	acrolein	0.068
	formaldehyde	0.266
	phenol	0.205
lumber drying kiln (ID No. K-7)	acrolein	0.043
	formaldehyde	0.167
	phenol	0.129
lumber drying kiln (ID No. K-8)	acrolein	0.068
	formaldehyde	0.266
	phenol	0.205

Annual Pollutants

Emission Sources	Toxic Air Pollutant	Emission Limit (lb per hour)
lumber drying kiln (ID No. K-1)	arsenic benzene cadmium hexachlorodibenzo-p-dioxin	0.0000252 0.0480 0.0000469 0.0000183
lumber drying kiln (ID No. K-2)	arsenic benzene cadmium hexachlorodibenzo-p-dioxin	0.0000252 0.0480 0.0000469 0.0000183

SECTION 3 - GENERAL CONDITIONS

This section describes terms and conditions applicable to this Title V facility. All references to the “permit” in this section apply only to Part I of the permit.

A. **General Provisions** [NCGS 143-215 and 15A NCAC 2Q .0508(aa)]

1. Terms not otherwise defined in this permit shall have the meaning assigned to such terms as defined in 15A NCAC 2D and 2Q.
2. The terms, conditions, requirements, limitations, and restrictions set forth in this permit are binding and enforceable pursuant to NCGS 143-215.114A and 143-215.114B, including assessment of civil and/or criminal penalties. Any unauthorized deviation from the conditions of this permit may constitute grounds for revocation and/or enforcement action by the DAQ.
3. This permit is not a waiver of or approval of any other Department permits that may be required for other aspects of the facility which are not addressed in this permit.
4. This permit does not relieve the Permittee from liability for harm or injury to human health or welfare, animal or plant life, or property caused by the construction or operation of this permitted facility, or from penalties therefore, nor does it allow the Permittee to cause pollution in contravention of state laws or rules, unless specifically authorized by an order from the North Carolina Environmental Management Commission.
5. Except as identified as state-only requirements in this permit, all terms and conditions contained herein shall be enforceable by the DAQ, the EPA, and citizens of the United States as defined in the Federal Clean Air Act.
6. Any stationary source of air pollution shall not be operated, maintained, or modified without the appropriate and valid permits issued by the DAQ, unless the source is exempted by rule. The DAQ may issue a permit only after it receives reasonable assurance that the installation will not cause air pollution in violation of any of the applicable requirements. A permitted installation may only be operated, maintained, constructed, expanded, or modified in a manner that is consistent with the terms of this permit.

B. **Permit Availability** [15A NCAC 2Q .0507(k) and .0508(aa)]

The Permittee shall have available at the facility a copy of this permit and shall retain for the duration of the permit term one complete copy of the application and any information submitted in support of the application package. The permit and application shall be made available to an authorized representative of Department of Environment and Natural Resources upon request.

C. **Severability Clause** [15A NCAC 2Q .0508(i)]

In the event of an administrative challenge to a final and binding permit in which a condition is held to be invalid, the provisions in this permit are severable so that all requirements contained in the permit, except those held to be invalid, shall remain valid and must be complied with.

D. **Submissions** [15A NCAC 2Q .0507(c)]

Except as otherwise specified herein, two copies of all documents, reports, test data, monitoring data, notifications, request for renewal, and any other information required by this permit shall be submitted to the appropriate Regional Office. Refer to the Regional Office address on the cover page of this permit. For continuous emissions monitoring systems (CEMS) reports, continuous opacity monitoring systems (COMS) reports, quality assurance (QA)/quality control (QC) reports, acid rain CEM certification reports,

and NOx budget CEM certification reports, one copy shall be sent to the appropriate Regional Office and one copy shall be sent to:

Supervisor, Stationary Source Compliance
North Carolina Division of Air Quality
1641 Mail Service Center
Raleigh, NC 27699-1641

E. **Duty to Comply** [15A NCAC 2Q .0508(j)]

The Permittee shall comply with all terms, conditions, requirements, limitations and restrictions set forth in this permit. Noncompliance with any permit condition except conditions identified as state-only requirements constitutes a violation of the Federal Clean Air Act. Noncompliance with any permit condition is grounds for enforcement action, for permit termination, revocation and reissuance, or modification, or for denial of a permit renewal application.

F. **Circumvention** - STATE ENFORCEABLE ONLY

The facility shall be properly operated and maintained at all times in a manner that will effect an overall reduction in air pollution. Unless otherwise specified by this permit, no emission source may be operated without the concurrent operation of its associated air pollution control device(s) and appurtenances.

G. **Permit Modifications**

1. Administrative Permit Amendments [15A NCAC 2Q .0514]

The Permittee shall submit an application for an administrative permit amendment in accordance with 15A NCAC 2Q .0514.

2. Transfer in Ownership or Operation and Application Submittal Content [15A NCAC 2Q .0524 and 2Q .0505]

The Permittee shall submit an application for an ownership change in accordance with 15A NCAC 2Q .0524 and 2Q .0505.

3. Minor Permit Modifications [15A NCAC 2Q .0515]

The Permittee shall submit an application for a minor permit modification in accordance with 15A NCAC 2Q .0515.

4. Significant Permit Modifications [15A NCAC 2Q .0516]

The Permittee shall submit an application for a significant permit modification in accordance with 15A NCAC 2Q .0516.

5. Reopening for Cause [15A NCAC 2Q .0517]

The Permittee shall submit an application for reopening for cause in accordance with 15A NCAC 2Q .0517.

H. **Changes Not Requiring Permit Modifications**

1. Section 502(b)(10) Changes [15A NCAC 2Q .0523(a)]

a. "Section 502(b)(10) changes" means changes that contravene an express permit term or condition. Such changes do not include changes that would violate applicable requirements or contravene federally enforceable permit terms and conditions that are monitoring (including test methods), recordkeeping, reporting, or compliance certification requirements.

b. The Permittee may make Section 502(b)(10) changes without having the permit revised if:

i. the changes are not a modification under Title I of the Federal Clean Air Act;

ii. the changes do not cause the allowable emissions under the permit to be exceeded;

- iii. the Permittee notifies the Director and EPA with written notification at least seven days before the change is made; and
 - iv. the Permittee shall attach the notice to the relevant permit.
 - c. The written notification shall include:
 - i. a description of the change;
 - ii. the date on which the change will occur;
 - iii. any change in emissions; and
 - iv. any permit term or condition that is no longer applicable as a result of the change.
 - d. Section 502(b)(10) changes shall be made in the permit the next time that the permit is revised or renewed, whichever comes first.
2. Off Permit Changes [15A NCAC 2Q .0523(b)]

The Permittee may make changes in the operation or emissions without revising the permit if:

 - a. the change affects only insignificant activities and the activities remain insignificant after the change; or
 - b. the change is not covered under any applicable requirement.
3. Emissions Trading [15A NCAC 2Q .0523(c)]

To the extent that emissions trading is allowed under 15A NCAC 2D, including subsequently adopted maximum achievable control technology standards, emissions trading shall be allowed without permit revision pursuant to 15A NCAC 2Q .0523(c).

I.A. Reporting Requirements for Excess Emissions and Permit Deviations

[15A NCAC 2D .0535(f) and 2Q .0508(f)(2)]

“Excess Emissions” - means an emission rate that exceeds any applicable emission limitation or standard allowed by any rule in Sections .0500, .0900, .1200, or .1400 of Subchapter 2D; or by a permit condition; or that exceeds an emission limit established in a permit issued under 15A NCAC 2Q .0700. (*Note: Definitions of excess emissions under 2D .1110 and 2D .1111 shall apply where defined by rule.*)

“Deviations” - for the purposes of this condition, any action or condition not in accordance with the terms and conditions of this permit including those attributable to upset conditions as well as excess emissions as defined above lasting less than four hours.

Excess Emissions

1. If a source is required to report excess emissions under NSPS (15A NCAC 2D .0524), NESHAPS (15A NCAC 2D .1110 or .1111), or the operating permit provides for periodic (e.g., quarterly) reporting of excess emissions, reporting shall be performed as prescribed therein.
2. If the source is not subject to NSPS (15A NCAC 2D .0524), NESHAPS (15A NCAC 2D .1110 or .1111), or these rules do NOT define "excess emissions," the Permittee shall report excess emissions in accordance with 15A NCAC 2D .0535 as follows:
 - a. Pursuant to 15A NCAC 2D .0535, if excess emissions last for more than four hours resulting from a malfunction, a breakdown of process or control equipment, or any other abnormal condition, the owner or operator shall:
 - i. notify the Regional Supervisor or Director of any such occurrence by 9:00 a.m. Eastern Time of the Division's next business day of becoming aware of the occurrence and provide:
 - name and location of the facility;
 - nature and cause of the malfunction or breakdown;
 - time when the malfunction or breakdown is first observed;
 - expected duration; and
 - estimated rate of emissions;

- ii. notify the Regional Supervisor or Director immediately when corrective measures have been accomplished; and
- iii. submit to the Regional Supervisor or Director within 15 days a written report as described in 15A NCAC 2D .0535(f)(3).

Permit Deviations

3. Pursuant to 15A NCAC 2Q .0508(f)(2), the Permittee shall report deviations from permit requirements (terms and conditions) as follows:

- a. Notify the Regional Supervisor or Director of all other deviations from permit requirements not covered under 15A NCAC 2D .0535 on the next business day after becoming aware of the deviation. A written report shall be submitted within two business days to the Regional Supervisor and shall include the probable cause of such deviation and any corrective actions or preventative actions taken. All reports of deviations from permit requirements shall be certified by a responsible official.

I.B. Other Requirements under 15A NCAC 2D .0535

The Permittee shall comply with all other applicable requirements contained in 15A NCAC 2D .0535, including 15A NCAC 2D .0535(c) as follows:

1. Any excess emissions that do not occur during start-up and shut-down shall be considered a violation of the appropriate rule unless the owner or operator of the sources demonstrates to the Director, that the excess emissions are a result of a malfunction. The Director shall consider, along with any other pertinent information, the criteria contained in 15A NCAC 2D .0535(c)(1) through (7).
2. 15A NCAC 2D .0535(g). Excess emissions during strt-up and shut-down shall be considered a violation of the appropriate rule if the owner or operatot cannot demonstrate that excess emissions are unavoidable.

J. Emergency Provisions [40 CFR, 70.6 (g)]

The Permittee shall be subject to the following provisions with respect to emergencies:

1. An emergency means any situation arising from sudden and reasonably unforeseeable events beyond the control of the facility, including acts of God, which situation requires immediate corrective action to restore normal operation, and that causes the facility 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 preventive maintenance, careless or improper operation, or operator error.
2. An emergency constitutes an affirmative defense to an action brought for noncompliance with such technology-based emission limitations if the conditions specified in 3. below are met.
3. The affirmative defense of emergency shall be demonstrated through properly signed contemporaneous operating logs or other relevant evidence that include information as follows:
 - a. an emergency occurred and 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 standards or other requirements in the permit; and
 - d. the Permittee submitted notice of the emergency to the DAQ within two working days of the time when emission limitations were exceeded due to the emergency. This notice must contain a description of the emergency, steps taken to mitigate emissions, and corrective actions taken.

4. In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.
5. This provision is in addition to any emergency or upset provision contained in any applicable requirement specified elsewhere herein.

K. **Permit Renewal** [15A NCAC 2Q .0513(b)]

This permit is issued for a fixed term of five years for facilities subject to Title IV requirements and for a term not to exceed five years in the case of all other facilities. This permit shall expire at the end of its term. Permit expiration terminates the facility's right to operate unless a complete renewal application is submitted at least nine months before the date of permit expiration. If the Permittee or applicant has complied with 15A NCAC 2Q .0512(b)(1), this permit shall not expire until the renewal permit has been issued or denied. All terms and conditions of this permit shall remain in effect until the renewal permit has been issued or denied.

L. **Need to Halt or Reduce Activity Not a Defense** [15A NCAC 2Q.0508(k)]

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.

M. **Duty to Provide Information (submittal of information)** [15A NCAC 2Q.0508(n)]

1. The Permittee shall furnish to the DAQ, in a timely manner, any reasonable information that the Director 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.
2. The Permittee shall furnish the DAQ copies of records required to be kept by the permit when such copies are requested by the Director. For information claimed to be confidential, the Permittee may furnish such records directly to the EPA upon request along with a claim of confidentiality.

N. **Duty to Supplement** [15A NCAC 2Q .0507(f)]

The Permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information to the DAQ. The Permittee shall also provide additional information as necessary to address any requirement that becomes applicable to the facility after the date a complete permit application was submitted but prior to the release of the draft permit.

O. **Retention of Records** [15A NCAC 2Q .0508(f)]

The Permittee shall retain records of all required monitoring data and supporting information for a period of at least five years from the date of the monitoring sample, measurement, report, or application. Supporting information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring information, and copies of all reports required by the permit. These records shall be maintained in a form suitable and readily available for expeditious inspection and review. Any records required by the conditions of this permit shall be kept on site and made available to DAQ personnel for inspection upon request.

P. **Compliance Certification** [15A NCAC 2Q .0508(t)]

The Permittee shall submit to the DAQ and the EPA (Air and EPCRA Enforcement Branch, EPA, Region 4, 61 Forsyth Street, Atlanta, GA 30303) postmarked on or before March 1 a compliance certification (for the preceding calendar year) by a responsible official with all federally-enforceable terms and conditions in the permit, including emissions limitations, standards, or work practices. It shall be the responsibility

of the current owner to submit a compliance certification for the entire year regardless of who owned the facility during the year. The compliance certification shall comply with additional requirements as may be specified under Sections 114(a)(3) or 504(b) of the Federal Clean Air Act. The compliance certification shall specify:

1. the identification of each term or condition of the permit that is the basis of the certification;
2. the compliance status (with the terms and conditions of the permit for the period covered by the certification);
3. whether compliance was continuous or intermittent; and
4. the method(s) used for determining the compliance status of the source during the certification period.

Q. Certification by Responsible Official [15A NCAC 2Q .0520]

A responsible official shall certify the truth, accuracy, and completeness of any application form, report, or compliance certification required by this permit. All certifications shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

R. Permit Shield for Applicable Requirements [15A NCAC 2Q .0512]

1. Compliance with the terms and conditions of this permit shall be deemed compliance with applicable requirements, where such applicable requirements are included and specifically identified in the permit as of the date of permit issuance.
2. A permit shield shall not alter or affect:
 - a. the power of the Commission, Secretary of the Department, or Governor under NCGS 143-215.3(a)(12), or EPA under Section 303 of the Federal Clean Air Act;
 - b. the liability of an owner or operator of a facility for any violation of applicable requirements prior to the effective date of the permit or at the time of permit issuance;
 - c. the applicable requirements under Title IV; or
 - d. the ability of the Director or the EPA under Section 114 of the Federal Clean Air Act to obtain information to determine compliance of the facility with its permit.
3. A permit shield does not apply to any change made at a facility that does not require a permit or permit revision made under 15A NCAC 2Q .0523.
4. A permit shield does not extend to minor permit modifications made under 15A NCAC 2Q .0515.

S. Termination, Modification, and Revocation of the Permit [15A NCAC 2Q .0519]

The Director may terminate, modify, or revoke and reissue this permit if:

1. the information contained in the application or presented in support thereof is determined to be incorrect;
2. the conditions under which the permit or permit renewal was granted have changed;
3. violations of conditions contained in the permit have occurred;
4. the EPA requests that the permit be revoked under 40 CFR 70.7(g) or 70.8(d); or
5. the Director finds that termination, modification, or revocation and reissuance of the permit is necessary to carry out the purpose of NCGS Chapter 143, Article 21B.

T. Insignificant Activities [15A NCAC 2Q .0503]

Because an emission source or activity is insignificant does not mean that the emission source or activity is exempted from any applicable requirement or that the owner or operator of the source is exempted from demonstrating compliance with any applicable requirement. The Permittee shall have available at the

facility at all times and made available to an authorized representative upon request, documentation, including calculations, if necessary, to demonstrate that an emission source or activity is insignificant.

U. **Property Rights** [15A NCAC 2Q .0508(m)]

This permit does not convey any property rights in either real or personal property or any exclusive privileges.

V. **Inspection and Entry** [15A NCAC 2Q .0508(r) and NCGS 143-215.3(a)(2)]

1. Upon presentation of credentials and other documents as may be required by law, the Permittee shall allow the DAQ, or an authorized representative, to perform the following:
 - a. enter the Permittee's premises where the permitted facility is located or emissions-related activity is conducted, or where records are kept under the conditions of the permit;
 - b. have access to and copy, at reasonable times, any records that are required to be kept under the conditions of the permit;
 - c. inspect at reasonable times and using reasonable safety practices any source, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and
 - d. sample or monitor substances or parameters, using reasonable safety practices, for the purpose of assuring compliance with the permit or applicable requirements at reasonable times.

Nothing in this condition shall limit the ability of the EPA to inspect or enter the premises of the Permittee under Section 114 or other provisions of the Federal Clean Air Act.

2. No person shall refuse entry or access to any authorized representative of the DAQ who requests entry for purposes of inspection, and who presents appropriate credentials, nor shall any person obstruct, hamper, or interfere with any such authorized representative while in the process of carrying out his official duties. Refusal of entry or access may constitute grounds for permit revocation and assessment of civil penalties.

W. **Annual Fee Payment** [15A NCAC 2Q .0508(o)]

1. The Permittee shall pay all fees in accordance with 15A NCAC 2Q .0200.
2. Payment of fees may be by check or money order made payable to the N.C. Department of Environment and Natural Resources. Annual permit fee payments shall refer to the permit number.
3. If, within 30 days after being billed, the Permittee fails to pay an annual fee, the Director may initiate action to terminate the permit under 15A NCAC 2Q .0519.

X. **Annual Emission Inventory Requirements** [15A NCAC 2Q .0207]

The Permittee shall report by **June 30 of each year** the actual emissions of each air pollutant listed in 15A NCAC 2Q .0207(a) from each emission source within the facility during the previous calendar year. The report shall be in or on such form as may be established by the Director. The accuracy of the report shall be certified by a responsible official of the facility.

Y. **Confidential Information** [15A NCAC 2Q .0107 and 2Q. 0508(n)]

Whenever the Permittee submits information under a claim of confidentiality pursuant to 15A NCAC 2Q .0107, the Permittee may also submit a copy of all such information and claim directly to the EPA upon request. All requests for confidentiality must be in accordance with 15A NCAC 2Q .0107.

Z. **Construction and Operation Permits** [15A NCAC 2Q .0100 and .0300]

A construction and operating permit shall be obtained by the Permittee for any proposed new or modified facility or emission source which is not exempted from having a permit prior to the beginning of construction or modification, in accordance with all applicable provisions of 15A NCAC 2Q .0100 and .0300.

AA. **Standard Application Form and Required Information** [15A NCAC 2Q .0505 and .0507]

The Permittee shall submit applications and required information in accordance with the provisions of 15A NCAC 2Q .0505 and .0507.

BB. **Financial Responsibility and Compliance History** [15A NCAC 2Q .0507(d)(4)]

The DAQ may require an applicant to submit a statement of financial qualifications and/or a statement of substantial compliance history.

CC. **Refrigerant Requirements (Stratospheric Ozone and Climate Protection)** [15A NCAC 2Q .0501(e)]

1. If the Permittee has appliances or refrigeration equipment, including air conditioning equipment, which use Class I or II ozone-depleting substances such as chlorofluorocarbons and hydrochlorofluorocarbons listed as refrigerants in 40 CFR Part 82 Subpart A Appendices A and B, the Permittee shall service, repair, and maintain such equipment according to the work practices, personnel certification requirements, and certified recycling and recovery equipment specified in 40 CFR Part 82 Subpart F.
2. The Permittee shall not knowingly vent or otherwise release any Class I or II substance into the environment during the repair, servicing, maintenance, or disposal of any such device except as provided in 40 CFR Part 82 Subpart F.
3. The Permittee shall comply with all reporting and recordkeeping requirements of 40 CFR 82.166. Reports shall be submitted to the EPA or its designee as required.

DD. **Prevention of Accidental Releases - Section 112(r)** [15A NCAC 2Q .0508(g)]

If the Permittee is required to develop and register a Risk Management Plan with EPA pursuant to Section 112(r) of the Clean Air Act, then the Permittee is required to register this plan in accordance with 40 CFR Part 68.

EE. **Prevention of Accidental Releases General Duty Clause - Section 112(r)(1) -**

FEDERALLY-ENFORCEABLE ONLY

Although a risk management plan may not be required, if the Permittee produces, processes, handles, or stores any amount of a listed hazardous substance, the Permittee has a general duty to take such steps as are necessary to prevent the accidental release of such substance and to minimize the consequences of any release.

FF. **Title IV Allowances** [15A NCAC 2Q .0508(h)]

This permit does not limit the number of Title IV allowances held by the Permittee, but the Permittee may not use allowances as a defense to noncompliance with any other applicable requirement. The Permittee's emissions may not exceed any allowances that the facility lawfully holds under Title IV of the Federal Clean Air Act.

GG. **Air Pollution Emergency Episode** [15A NCAC 2D .0300]

Should the Director of the DAQ declare an Air Pollution Emergency Episode, the Permittee will be required to operate in accordance with the Permittee's previously approved Emission Reduction Plan or, in the absence of an approved plan, with the appropriate requirements specified in 15A NCAC 2D .0300.

HH. **Registration of Air Pollution Sources** [15A NCAC 2D .0200]

The Director of the DAQ may require the Permittee to register a source of air pollution. If the Permittee is required to register a source of air pollution, this registration and required information will be in accordance with 15A NCAC 2D .0202(b).

II. **Ambient Air Quality Standards** [15A NCAC 2D .0501(e)]

In addition to any control or manner of operation necessary to meet emission standards specified in this permit, any source of air pollution shall be operated with such control or in such manner that the source shall not cause the ambient air quality standards in 15A NCAC 2D .0400 to be exceeded at any point beyond the premises on which the source is located. When controls more stringent than named in the applicable emission standards in this permit are required to prevent violation of the ambient air quality standards or are required to create an offset, the permit shall contain a condition requiring these controls.

JJ. **General Emissions Testing and Reporting Requirements** [15A NCAC 2Q .0508(aa)]

If emissions testing is required by this permit or the DAQ or if the Permittee submits emissions testing to the DAQ in support of a permit application, the Permittee shall perform such testing in accordance with the appropriate EPA reference method(s) as approved by the DAQ and follow the procedures outlined below. The Permittee must request **in writing** and receive approval from the DAQ for an alternate test method or procedure.

1. The Permittee shall submit a completed Protocol Submittal Form to the DAQ Regional Supervisor at least 45 days prior to the scheduled test date. A copy of the Protocol Submittal Form may be obtained from the Regional Supervisor.
2. The Permittee shall notify the Regional Supervisor of the specific test dates at least 15 days prior to testing in order to afford the DAQ the opportunity to have an observer on-site during the sampling program.
3. During all sampling periods, the Permittee shall operate the emission source(s) under maximum normal operating conditions or alternative operating conditions as deemed appropriate by the Regional Supervisor or his delegate.
4. The Permittee shall submit **two** copies of the test report to the DAQ. The test report shall contain at a minimum the following information:
 - a. a certification of the test results by sampling team leader and facility representative;
 - b. a summary of emissions results and text detailing the objectives of the testing program, the applicable state and federal regulations, and conclusions about the testing and compliance status of the emission source(s);
 - c. a detailed description of the tested emission source(s) and sampling location(s) process flow diagrams, engineering drawings, and sampling location schematics should be included as necessary;
 - d. all field, analytical, and calibration data necessary to verify that the testing was performed as specified in the applicable test methods;
 - e. example calculations for at least one test run using equations in the applicable test methods and all test results including intermediate parameter calculations; and

- f. documentation of facility operating conditions during all testing periods and an explanation relating these operating conditions to maximum normal operation. If necessary, provide historical process data to verify maximum normal operation.
5. The testing requirement(s) shall be considered satisfied only upon written approval of the test results by the DAQ.
6. The DAQ will review emission test results with respect exclusively to the specified testing objectives as proposed by the Permittee and approved by the DAQ. The use of the test results beyond the stated objectives remains subject to the approval of the DAQ.

KK. Reopening for Cause [15A NCAC 2Q .0517]

1. A permit shall be reopened and revised under the following circumstances:
 - a. additional applicable requirements become applicable to a facility with remaining permit term of three or more years;
 - b. additional requirements (including excess emission requirements) become applicable to a source covered by Title IV;
 - c. the Director or EPA finds 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; or
 - d. the Director or EPA determines that the permit must be revised or revoked to assure compliance with the applicable requirements.
2. Any permit reopening shall be completed or a revised permit issued within 18 months after the applicable requirement is promulgated. No reopening is required if the effective date of the requirement is after the expiration of the permit term unless the term of the permit was extended pursuant to 15A NCAC 2Q .0513(c).
3. Except for the state-enforceable only portion of the permit, the procedures set out in 15A NCAC 2Q .0507, .0521, or .0522 shall be followed to reissue the permit. If the State-enforceable only portion of the permit is reopened, the procedures in 15A NCAC 2Q .0300 shall be followed. The proceedings shall affect only those parts of the permit for which cause to reopen exists.
4. The Director shall notify the Permittee at least 60 days in advance of the date that the permit is to be reopened, except in cases of imminent threat to public health or safety the notification period may be less than 60 days.
5. Within 90 days, or 180 days if the EPA extends the response period, after receiving notification from the EPA that a permit needs to be terminated, modified, or revoked and reissued, the Director shall send to the EPA a proposed determination of termination, modification, or revocation and reissuance, as appropriate.

LL. Reporting Requirements for Non-Operating Equipment [15A NCAC 2Q .0508(f)]

The Permittee shall maintain a record of operation for permitted equipment noting whenever the equipment is taken from and placed into operation. During operation the monitoring recordkeeping and reporting requirements as prescribed by the permit shall be implemented within the monitoring period.

PART II

The Permittee is hereby authorized to construct air emission source(s) and associated air pollution control device(s) listed in Section 1, Part II of this permit, in accordance with the completed Air Quality Permit Application 6200015.06C received February 15, 2006, including all plans, specifications, previous applications, and other supporting data, all of which are filed with the DAQ and are incorporated in Part II of this Air Quality Permit.

SECTION 1: PERMITTED EMISSION SOURCE(S) AND ASSOCIATED AIR POLLUTION CONTROL DEVICE(S)

The following table contains a summary of all permitted emission sources and associated air pollution control devices and appurtenances **associated with Air Quality Permit Application 6200015.05A:**

Emission Source ID No.	Emission Source Description	Control Device ID No.	Control Device Description
PSD K-1* and K-2*	two gasified wood-fired lumber kilns (11.4 million Btu per hour maximum heat input rate each)	N/A	N/A
PSD K-8**	one steam heated lumber kiln	N/A	N/A
NSPS MACT B06***	one natural gas/landfill gas-fired boiler (64.0 million Btu per hour maximum heat input)	N/A	N/A

*These emission source(s) and/or control device(s) (ID Nos. K-1 and K-2) are permitted under a Part II Construction Permit as a NCAC 2Q .0501(d)(2) modification. The permit shield described in General Condition R of Part I of the permit does not apply to these sources. The Permittee shall not begin operation of the air emission source(s) and associated air pollution control device(s) listed in Section 1 until a Title V Air Quality Permit Application is filed and an operation permit is obtained following the procedures of Section .0500 (except for Rule .0504 of this Section).

**These emission source(s) and/or control device(s) (ID Nos. K-8) are permitted under Part II Construction Permit as a 15A NCAC 2Q .0501(c)(2) modification. The permit shield described in General Condition R does not apply and compliance certification as described in General Condition P is not required.

***This emission source (ID No. B06) is permitted under Part II Construction Permit as a 15A NCAC 2Q .0502(b)(10) modification. The permit shield described in General Condition R does not apply and compliance certification as described in General Condition P is not required.

SECTION 2: SPECIFIC LIMITATIONS AND CONDITIONS:

The air emission source(s) and associated air pollution control device(s) listed in Section 1 are subject to the following specific terms, conditions, and limitations, including the monitoring, recordkeeping, and reporting requirements as specified herein:

1. Any air emission sources or control devices authorized to construct in Section 1 must be constructed and maintained in accordance with the provisions contained herein and operated in accordance with provisions contained in Part I of this permit. The Permittee shall comply with applicable Environmental Management Commission Regulations, including Title 15A NCAC, Subchapter 2D .0503, .0515, .0516, .0521, .0524, .0530, .0535, .1100, .1111, .1806, and Subchapter 2Q .0317.
2. The Permittee shall not begin operation of the air emission sources (ID Nos. K-1 and K-2) listed in Section 1 until a Title V Air Quality Permit Application is filed and a construction and operation permit following the procedures of Section .0500 (except for Rule .0504 of this Section) is obtained.
3. The Permittee shall file a Title V Air Quality Permit Application for the air emission sources (ID Nos. K-8 and B05) listed in Section 1 on or before 12 months after commencing operation.
4.
 - a. **15A NCAC 2D .0524: NEW SOURCE PERFORMANCE STANDARDS** - The Permittee shall comply with all applicable provisions, including the notification, testing, , recordkeeping, and monitoring requirements contained in Environmental Management Commission Standard 15A NCAC 2D .0524 "New Source Performance Standards" (NSPS) as promulgated in 40 CFR Part 60 Subpart Dc, including Subpart A "General Provisions."
 - b. **NSPS PERFORMANCE TESTING** - As required by 15A NCAC 2D .0524, the following initial performance tests shall be conducted:
 - i. **Visible Emissions** - EPA Test Method 9
 - (A) All performance tests shall be conducted in accordance with EPA Reference Methods, contained in 40 CFR Part 60 Appendix A.
 - (B) The EPA Administrator retains the exclusive right to approve equivalent and alternative test methods, continuous monitoring procedures, and requirements.
 - (C) Within 60 days after achieving the maximum production rate at which the facility will be operated, but not later than 180 days after the initial start-up of the affected facility, the Permittee shall conduct the required performance test(s) and submit a written report of the test(s) results.
 - (D) The source shall be responsible for ensuring, within the limits of practicality, that the equipment or process being tested is operated at or near its maximum normal production rate or at a lesser rate if specified by the Director or his delegate.
 - (E) All associated testing costs are the responsibility of the Permittee.
 - ii. **Sulfur dioxide**
 - (A) **Residual Oil** - The initial performance test shall consist of sampling and analyzing the oil in the initial tank of oil to be fired in the boiler to demonstrate that the

oil contains 0.5 weight percent sulfur or less as described in condition 2.1(A)(4)(e)(ii) as allowed under 40 CFR § 60.44c(g).

- c. **NSPS REQUIREMENTS** - In addition to any other required by 40 CFR § 60.48c or notification requirements to the EPA, the Permittee is required to **NOTIFY** the DAQ in **writing** of the following:
- i. the date construction (40 CFR § 60.7) or reconstruction (40 CFR § 60.15) of an affected facility is commenced, postmarked no later than 30 days after such date;

The initial quarterly report (as described in condition 2.1(A)(4)(g)(ii) in Part I of this permit) shall be postmarked by the 30th day of the third month following the completion of the initial performance test.

All instances of deviations from the requirements of this permit must be clearly identified.

SECTION 3: GENERAL CONDITIONS:

This section describes terms and conditions applicable to the construction of the air emission source(s) and associated air pollution control device(s) listed in Section 1 and State-only emission sources listed in Part I of the permit. Unless otherwise specified herein all references to the “permit” in this section apply only to Part II of the permit.

A. Operating Conditions

All operating conditions for the air emission source(s) and associated air pollution control device(s) listed in Section 1 are under Part I of this permit.

B. General Provisions

1. This permit is nontransferable by the Permittee. Future owners and operators must obtain a new Air Quality Permit from the DAQ.
2. This issuance of this permit in no way absolves the Permittee of liability for any potential civil penalties which may be assessed for violations of state law which have occurred prior to the issuance date of this permit.
3. A violation of any term or condition of Part II of this permit shall subject the Permittee to enforcement pursuant to NCGS 143-215.114A, 143-215.114B, and 143-215.114C, including assessment of civil and/or criminal penalties.

C. Submissions (reports, test data, monitoring data, notifications, and requests for renewal)

Except as otherwise specified herein, two copies of all documents, reports, test data, monitoring data, notifications, request for renewal, and any other information required by this permit shall be submitted to the appropriate Regional Office. Refer to the Regional Office address on the cover page of this permit.

D. **Part II Renewal Request**

The Permittee shall request renewal of the emission source(s) and associated air pollution control device(s) listed in Section 1 at the same time as specified in Part I, Section 3 - General Condition K of this permit.

E. **Annual Fee Payment**

The Permittee shall pay all fees in accordance with 15A NCAC 2Q .0200 and in conjunction with Part I, Section 3 - General Condition W of this Air Quality Permit.

F. **Reporting Requirements**

Any of the following that would result in new or increased emissions from the emission source(s) listed in Section 1 must be reported to the Regional Supervisor, DAQ:

1. changes in the information submitted in the application;
2. changes that modify equipment or processes; or
3. changes in the quantity or quality of materials processed.

If appropriate, modifications to the permit may then be made by the DAQ to reflect any necessary changes in the permit conditions. In no case are any new or increased emissions allowed that will cause a violation of the emission limitations specified herein.

G. **Termination, Modification, and Revocation of the Permit**

The Director may terminate, modify, or revoke and reissue this permit if:

1. the information contained in the application or presented in support thereof is determined to be incorrect;
2. the conditions under which the permit or permit renewal was granted have changed;
3. violations of conditions contained in the permit have occurred; or
4. the Director finds that termination, modification, or revocation and reissuance of the permit is necessary to carry out the purpose of NCGS Chapter 143, Article 21B.

H. **Inspection and Entry**

Upon presentation of credentials and other documents as may be required by law, the Permittee shall allow the DAQ, or an authorized representative, to perform the following:

1. enter the Permittee's premises where the permitted facility is located or emissions-related activity is conducted, or where records are kept under the conditions of the permit;
2. have access to and copy, at reasonable times, any records that are required to be kept under the conditions of the permit;

3. inspect at reasonable times and using reasonable safety practices any source, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and
4. sample or monitor substances or parameters, using reasonable safety practices, for the purpose of assuring compliance with the permit or applicable requirements at reasonable times.

I. **Circumvention** - STATE ENFORCEABLE ONLY

The facility shall be properly operated and maintained at all times in a manner that will effect an overall reduction in air pollution. Unless otherwise specified by this permit, no emission source may be operated without the concurrent operation of its associated air pollution control device(s) and appurtenances.

ATTACHMENT

List of Acronyms

AOS	Alternate Operating Scenario
BACT	Best Available Control Technology
Btu	British thermal unit
CEM	Continuous Emission Monitor
CFR	Code of Federal Regulations
CAA	Clean Air Act
DAQ	Division of Air Quality
DENR	Department of Environment and Natural Resources
EMC	Environmental Management Commission
EPA	Environmental Protection Agency
FR	Federal Register
GACT	Generally Available Control Technology
HAP	Hazardous Air Pollutant
MACT	Maximum Achievable Control Technology
NCAC	North Carolina Administrative Code
NCGS	North Carolina General Statutes
NESHAPS	National Emission Standards for Hazardous Air Pollutants
NO_x	Nitrogen Oxides
NSPS	New Source Performance Standard
OAH	Office of Administrative Hearings
PM	Particulate Matter
PM₁₀	Particulate Matter with Nominal Aerodynamic Diameter of 10 Micrometers or Less
POS	Primary Operating Scenario
PSD	Prevention of Significant Deterioration
SIC	Standard Industrial Classification
SIP	State Implementation Plan
SO₂	Sulfur Dioxide
tpy	Tons Per Year
VOC	Volatile Organic Compound