North Carolina Department of Environment and Natural Resources

Michael F. Easley, Governor

Division of Air Quality

William G. Ross, Jr., Secretary

B. Keith Overcash, P.E., Director

DATE, 2008

Mr. Drew Beringer
Vice President/Chief Operating Officer
Kurz Transfer Products, LP
4939 North NC Highway 150
Lexington, North Carolina 27295

Dear Mr. Beringer:

SUBJECT: **Air Quality Permit No. 06542T14**
**Facility ID: 04/029/00268**
**Kurz Transfer Products, LP**
**Lexington, North Carolina**
**Davidson County**
**Fee Class: Title V**

In accordance with your completed Air Quality Permit Application for a renewal of a Title V permit received November 7, 2005, we are forwarding herewith Air Quality Permit No. **06542T14** to Kurz Transfer Products, LP, 4939 North NC Highway 150, Lexington, North Carolina authorizing the construction and operation, 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(8) 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.**

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.

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. Please note that this permit will be stayed in its entirety upon receipt of the request for a hearing Unless a request for a hearing is made pursuant to NCGS 150B-23, this Air Quality Permit shall be final and binding 30 days after issuance.

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 143-215-108A(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 143-215.108A 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 DATE, 2007 until DATE, 2012, is nontransferable to future owners and operators, and shall be subject to the conditions and limitations as specified therein.

Should you have any questions concerning this matter, please contact Mr. Michael W. Benson, E.I.T. (mike.benson@ncmail.net) at (919) 715-6272.

Sincerely yours,

Donald R. van der Vaart, Ph.D., P.E.

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: http://daq.state.nc.us/

Enclosure

c: EPA Region IV
Winston-Salem Regional Office
Central Files

ATTACHMENT to cover letter to Air Quality Permit Number **06542T14**

The following table describes the modifications to the current permit as part of the modification process.

| Old Page(s) | New Page(s) | Condition/ Item | Description of Change(s) |
|---|---|---|---|
| **Part I** | | | |
| Global | Global | N/A | • Change permit revision number to T14<br>• Change the issuance/effective dates of the permit<br>• Amend the application number and complete date |
| 2 | 2 | Table of contentes | • Removed Part II |
| 3 | 3 | Table | Removed construction disclaimers |
| 4 | 4 | 2.1.A Table | Removed 2D .0516 and 2D .0521added CAM avoidance |
| 4 | -- | 2.1.A.1 and 2 | Removed specific stipulations |
| 6 | 5 | 2.1.A.1.h | Updated to include afterburner |
| 6 | -- | 2.1.A.1.d and e. | Removed testing stipulation |
| 7 | 6 | 2.1.A.1.n | Added non-compliance language |
| 9 | 8 | 2.1.C Table | Removed 2D .1111 |

ATTACHMENT to cover letter to Air Quality Permit Number **06542T14**

**Insignificant Activities under 15A NCAC 2Q .0503(8)**

| Emission Source ID No. | Emission Source Description |
|---|---|
| IB01 | No. 2 fuel oil-fired boiler (1.2 million Btu per hour maximum heat input) |
| IB02 | No. 2 fuel oil-fired boiler (0.9 million Btu per hour maximum heat input) |
| IWSD | One waste solvent distillation unit |
| IAK83 and IAK09 | Two vacuum chambers installed on the metalizing process |
| IWK82 and IWK06 | Two conditioners installed on the drying process |
| IES03a, IES03b and IES03d | Three underground storage tanks (4,000 gallon capacity, each) |
| IES03g | One underground storage tank (2,000 gallon capacity) |
| IES03h | One underground No. 2 fuel oil storage tank (25,000 gallon capacity) |

1. Because an activity is insignificant does not mean that the activity is exempted from an applicable requirement or that the owner or operator of the source is exempted from demonstrating compliance with any applicable requirement.
2. When applicable, emissions from stationary source activities identified above shall be included in determining compliance with the permit requirements for toxic air pollutants under 15A NCAC 2D .1100 “Control of Toxic Air Pollutants” or 2Q .0711 “Emission Rates Requiring a Permit”.

**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 |
|---|---|---|---|
| **06542T14** | 06542T13 | DATE, 2008 | DATE, 2012 |

Until such time as this permit expires or is modified or revoked, the below named Permittee is permitted to construct and operate 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:** | **Kurz Transfer Products, LP** |
| **Facility ID:** | **04/029/00268** |
| **Facility Site Location:** | **4939 North NC Highway 150** |
| **City, County, State, Zip:** | **Lexington, Davidson County, North Carolina 27295** |
| **Mailing Address:** | **4939 North NC Highway 150** |
| **City, State, Zip:** | **Lexington, North Carolina 27295** |
| **Application Number:** | **2900268.05A** |
| **Complete Application Date:** | **November 7, 2005** |
| **Primary SIC Code:** | **3571** |
| **Division of Air Quality,** | **Winston-Salem Regional Office** |
| **Regional Office Address:** | **585 Waughtown Street** |
| | **Winston-Salem, North Carolina 27107** |

Permit issued this the X$^{th}$ day of MONTH, 2008

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Donald R. van der Vaart, Ph.D., P.E., Chief, Air Permits Section
By Authority of the Environmental Management Commission

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# PART I



# PART II

This permit contains no Part II.

# 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 SOURCES AND ASSOCIATED AIR POLLUTION CONTROL DEVICES AND APPURTENANCES

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

| Emission Source ID Nos. | Emission Source Description | Control Device ID No. | Control Device Description |
|---|---|---|---|
| ES01 **[MACT JJJJ]** | Coating operations consisting of two coating lines (LM06 and LM81) operating within a permanent total enclosure (PTE-1) | RTO-1 | One natural gas/No. 2 fuel oil-fired regenerative thermal oxidizer (20.8 million Btu per hour maximum heat input rate) with one No. 2 fuel-oil fired afterburner (8.5 million Btu per hour maximum heat input rate) as backup |
| ES05 **[MACT JJJJ]** | One coating line (LM84) operating within a permanent total enclosure (PTE-2) | | |
| ES02 **[MACT JJJJ]** | Mixing operations consisting of seven mixing stations operating within a permanent total enclosure (PTE-1) | T001 (backup) | |
| ES03 **[MACT JJJJ]** | Parts cleaning tank operating within a permanent total enclosure (PTE-1) | | |
| ES04c, ES04e, and ES04f | Three underground solvent storage tanks (two with 4,000 gallon capacity, each, and one with 3,000 gallon capacity) | N/A | N/A |
| ES06 | One No. 2 fuel oil-fired boiler (3.36 million Btu per hour maximum heat input) | N/A | N/A |

# SECTION 2 - SPECIFIC LIMITATIONS AND CONDITIONS

## 2.1- Emission Sources and Control Devices Specific Limitations and Conditions

The emission sources and associated air pollution control devices 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. Coating operations (ID No. ES01 and ES05), mixing operations (ID No. ES02), and parts cleaning tank (ES03) operating within permanent total enclosures (PTE-1 and PTE-2), controlled by one regenerative thermal oxidizer (ID No. RTO-1) or backup afterburner (ID No. T001)

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

| Regulated Pollutant | Limits/Standards | Applicable Regulation |
|---|---|---|
| Hazardous air pollutants | 95% reduction<br>(See Section 2.2. – Multiple Emission Sources) | 15A NCAC 2D .1111<br>40 CFR 63 Subpart JJJJ |
| Volatile organic compounds | 244 tons per year; 95% emissions control | 15A NCAC 2Q .0317 for<br>15A NCAC 2D .0530 |
| Volatile organic compounds | Work practice standards | 15A NCAC 2D .0958 |
| Toxic air pollutants | Control of Toxic Air Pollutants<br>**State Enforceable Only**<br>(See Section 2.2-A. - Multiple Emission Sources) | 15A NCAC 2D .1100 |
| Odors | Odorous emissions must be controlled - **State-Enforceable Only** | 15A NCAC 2D .1806 |
| Volatile organic compounds | Compliance Assurance Monitoring (CAM) – See Section 2.1.A.1 | 15A NCAC 2Q .0317 for<br>15A NCAC 2D<br>.0614(b)(1)(F) |

**15A NCAC 2Q. 0317: AVOIDANCE CONDITIONS for**

**1. 15A NCAC 2D .0530: PREVENTION OF SIGNIFICANT DETERIORATION (avoidance for VOC's) AND 15A NCAC 2D .0614: COMPLIANCE ASSURANCE COMITORING [2D .0614(b)(1)(F)]**

a. In order to avoid applicability of 15A NCAC 2D .0530(g), the above emission sources shall discharge into the atmosphere less than **244 tons of volatile organic compounds per consecutive 12-month period.** [15A NCAC 2D .0530]

b. To ensure the limit established in 2.1. A. 1 .a. is not exceeded, all of the emissions from the coating and mixing operations and parts cleaning tank (**ID Nos. ES01, ES02, ES03 and ES05**) shall be captured within a permanent total enclosure meeting the criteria established in 40 CFR Part 51, Appendix M, Method 204, Section 6, and controlled by regenerative thermal oxidizer (**ID No. RTO-1**) or backup afterburner (**ID No. T001**) providing a minimum destruction efficiency of 95 percent. The regenerative thermal oxidizer or afterburner shall be maintained at or above the minimum three-hour average temperature of 1402 degree Fahrenheit except for:

i. temperature drops of less than thirty minute durations associated with startup, shutdown, and color checks;
ii. documented power outages; and
iii. times when the coating, mixing, and parts cleaning processes are not operating.

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

c. If emissions testing is required, the Permittee shall perform such testing in accordance with 15A NCAC 2D .0501(c)(4) and General Condition JJ. If the results of this test are above the limits given in Section 2.1 A. 1. a. and/or the parameters given in 2.1.A. 1.b., the Permittee shall be deemed in noncompliance with 15A NCAC 2D .0530.

**Monitoring** [15A NCAC 2Q .0508 (f)]
**Regenerative Thermal Oxidizer/Afterburner** [15A NCAC 2Q .0508 (f)]

d. The Permittee shall install, calibrate, operate, maintain, and inspect a continuous temperature monitoring and recording system for the regenerative thermal oxidizer (**ID No. RTO-1**) and the backup afterburner (**ID No. T001**) to monitor the temperature in the combustion chamber (the second half of the oxidizer away from the flame zone) to ensure the average combustion temperature does not drop below 1402 degrees Fahrenheit.

e. The Permittee shall calculate and record the three-hour average temperatures by averaging the previous three hours of continuously recorded data once per hour along with the time that this temperature was recorded. Temperatures associated with start-up, shutdown, color checks, power outages, and/or times when the presses are not operating shall be continuously recorded as well and included in the three-hour minimum operating temperature calculation.

f. The Permittee shall develop and maintain a written malfunction plan for the temperature monitoring and recording system that describes, in detail, the operating procedures for periods of malfunction and a protocol to address malfunctions so that corrective actions can immediately be investigated. The malfunction plan shall identify all routine and predictable malfunctions, as described by the manufacturer, and ensure the operators are prepared to correct such malfunctions as soon as practical. The Permittee shall maintain records in a log (in written or electronic format) of malfunctions including the date, duration of the occurrence, deviations from the malfunction plan, and corrective measures taken. The Permittee shall keep any necessary parts for routine repairs of the temperature monitoring and recording system readily available. In the event that the temperature monitoring and recording system malfunctions or ceases operation for more than four hours, the Permittee shall operate a continuous temperature strip chart recording device and record the instantaneous temperature once per hour in a log (written or electronic format).

g. The Permittee shall perform periodic inspection and maintenance for the regenerative thermal oxidizer and afterburner as recommended by the manufacturer. At a minimum, the Permittee shall perform an annual internal inspection of the primary heat exchanger and associated inlet/outlet valves of each control device to ensure structural integrity.

**Permanent Total Enclosure** [15A NCAC 2Q .0508 (f)]

h. The total enclosures shall meet the following criteria, as specified in EPA's Method 204 of 40 CFR 51:

   i. VOC sources shall be at least four equivalent opening diameters from natural draft openings;
   ii. Maximum openings in the room shall be less than 5 percent of total enclosure surface area;
   iii. Minimum indraft air velocity of 200 feet per minute is required with the direction of air through natural draft openings into the enclosure;
   iv. All access doors and windows shall be closed during routine operation; and
   v. All press exhaust and enclosure ventilation points must be directed to a control device (regenerative thermal oxidizer RTO-1 or afterburner T001).

i. To assure compliance, the Permittee shall perform a monthly visual inspection to ensure the emissions from the existing coating and mixing operations and parts cleaning tank (**ID Nos. ES01, ES02, and ES03**) are captured within a permanent total enclosure (PTE-1) meeting the criteria defined by EPA Reference Method 204 and specified in Specific Conditions 2.1-A. 3. b. & h.

j. To assure compliance, the Permittee must develop a monitoring plan to ensure the emissions from the coating operations (**ID Nos. ES05**) are captured within a permanent total enclosure (PTE-2) meeting the criteria defined by EPA Reference Method 204 and specified in Specific Condition 2.1-A. 1. b. above. The monitoring plan must specify the operating parameter value or range of values that demonstrate the efficiency of the capture system is 100 percent. Upon certification of the new PTE, as a PTE per Specific Conditions 2.1-A. 1. b. & h., the capture efficiency may be assumed to be 100%. You must conduct all capture system monitoring in accordance with the monitoring plan.

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

k. The Permittee shall keep records of the VOC content in the coating materials, and shall calculate the VOC emissions after control from the coating and mixing operations and parts cleaning tank each month. The amount of VOCs ($VOC_{in}$) entering the regenerative thermal oxidizer or afterburner shall be determined by multiplying the total amount of each type of VOC-containing material consumed during the month by the VOC content of the material. The VOC emissions ($VOC_{out}$) shall be calculated as follows:

$$VOC_{out} = (VOC_{in}) \times (1 - CE)$$

where CE equals the control efficiency percent divided by 100 percent.

The Permittee shall be deemed in noncompliance with 15A NCAC 2D .0530 if the records of VOC content of the coating materials or the VOC emissions exceed the limit established in Section 2.1. A. 3. a. above.

l. The results of any calibration, maintenance, or inspection performed on the temperature monitoring and recording systems, the regenerative thermal oxidizer, or afterburner, the three-hour average temperature data, and the calculations and the total amount of VOC emissions shall be recorded monthly in a logbook (written or electronic format) and made available to an authorized representative upon request. The log shall record the following:

i.. the date and time of each recorded action;
ii.. the results of each inspection;
iii.. the results of any maintenance performed on the regenerative thermal oxidizer; afterburner, and/or temperature monitoring and recording systems, and
iv. any variance from manufacturers recommendations, if any, and corrections made.

The Permittee shall be deemed in noncompliance with 15A NCAC 2D .0530 if the records are not maintained.

m. The Permittee shall monitor the PTE parameters as specified in Specific Conditions 2.1 A. 1. i. & j. and record in a logbook (written or electronic format) the monthly visible inspection for PTE-1, and the operating parameter specified by the monitoring plan for PTE-2. The logbook shall be made available to an authorized representative upon request.

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

n. 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. A summary of the VOC content of the coating materials.
ii. The monthly VOC emissions for the previous 17 months. The emissions must be calculated for each of the 12-month periods over the previous 17 months.
iii. A report indicating and explaining all instances of the average minimum regenerative thermal oxidizer combustion chamber (or afterburner) temperature falling below 1402 degrees Fahrenheit, excluding those instances described in Section 2.1 A. 1. b. above or noting that no such instances have occurred.
iv. A summary of the monitoring and recordkeeping requirements for the permanent total enclosures.
v. All instances of deviations from the requirements of this permit must be clearly identified.

**2. 15A NCAC 2D .0958: WORK PRACTICES FOR SOURCES OF VOLATILE ORGANIC COMPOUNDS**

**a. Pursuant to 15A NCAC 2D .0958, for all sources that use volatile organic compounds (VOC) as solvents, carriers, material processing media, or industrial chemical reactants, or in similar uses that mix, blend, or manufacture volatile organic compounds, or emit volatile organic compounds as a product of chemical reactions, and whose emissions of VOC are greater than 15 pounds per day; the Permittee shall:**

i. store all material, including waste material, containing volatile organic compounds in tanks or in containers covered with a tightly fitting lid that is free of cracks, holes, or other defects, when not in use,
ii. clean up spills of volatile organic compounds as soon as possible following proper safety procedures,
iii. store wipe rags containing volatile organic compounds in closed containers,
iv. not clean sponges, fabric, wood, paper products, and other absorbent materials with volatile organic compounds,
v. transfer solvents containing volatile organic compounds used to clean supply lines and other coating equipment into closable containers and close such containers immediately after each use, or transfer such solvents to closed tanks, or to a treatment facility regulated under section 402 of the Clean Water Act,
vi. clean mixing, blending, and manufacturing vats and containers containing volatile organic compounds by adding cleaning solvent and close the vat or container before agitating the cleaning solvent. The spent cleaning solvent shall then be transferred into a closed container, a closed tank or a treatment facility regulated under section 402 of the Clean Water Act. [15A NCAC 2D .0958(c)]

b. When cleaning parts with a solvent containing a volatile organic compound, the Permittee shall:
i flush parts in the freeboard area,
ii. take precautions to reduce the pooling of solvent on and in the parts,
iii. tilt or rotate parts to drain solvent and allow a minimum of 15 seconds for drying or until all dripping has stopped, whichever is longer,
iv. not fill cleaning machines above the fill line,
v. not agitate solvent to the point of causing splashing. [15A NCAC 2D .0958(d)]

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

c. To assure compliance with paragraphs (a) and (b) above, the Permittee shall, at a minimum, perform a visual inspection once per month of all operations and processes utilizing volatile organic compounds. The inspections shall be conducted during normal operations. If the required inspections are not conducted the permittee shall be deemed to be in noncompliance with 15A NCAC 2D .0958.

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

d. The results of the inspections 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 inspection; and
ii. the results of each inspection noting whether or not noncompliant conditions were observed.

If the required records are not maintained the permittee shall be deemed to be in noncompliance with rule 15A NCAC 2D .0958.

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

e. The Permittee shall submit a summary report of the observations 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. All instances of deviations from the requirements of this permit must be clearly identified.

**STATE-ONLY REQUIREMENT**

**3. 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.

b. If the Director determines that a source or facility is emitting an objectionable odor, by the procedures described below, the Permittee shall:

i. within 180 days of receipt of written notification from the Director of the requirement to implement maximum feasible controls, complete the determination process outlined in 15A NCAC 2D .1807 and submit to the Director a completed maximum feasible control determination process, a permit application for maximum feasible controls and a compliance schedule;
ii. within 18 months of receipt of written notification from the Director of the requirement to implement maximum feasible controls, have installed and begun operating maximum feasible controls.

## B. Underground solvent storage tanks (ID Nos. ES04c, ES04e and ES04f)

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

| Regulated Pollutant | Limits/Standards | Applicable Regulation |
|---|---|---|
| Toxic Air Pollutants | Control of Toxic Air Pollutants<br>**State Enforceable Only**<br>(See Section 2.2-A - Multiple Emission Sources) | 15A NCAC 2D .1100 |

## C. One No. 2 fuel oil-fired boiler (3.36 million Btu per hour maximum heat input, ID No. ES06)

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

| Regulated Pollutant | Limits/Standards | Applicable Regulation |
|---|---|---|
| Particulate matter | 0.60 pounds per million Btu heat input | 15A NCAC 2D .0503 |
| Sulfur dioxide | 2.3 pounds per million Btu heat input | 15A NCAC 2D .0516 |
| Visible emissions | 20 percent opacity | 15A NCAC 2D .0521 |

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

**Emission Standard**

a. Emissions of particulate matter from the combustion of No. 2 fuel oil that are discharged from boiler IB03 (ID No. ES06) into the atmosphere shall not exceed 0.60 pounds per million Btu heat input. [15A NCAC 2D .0503(a)]

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

b. If emissions testing is required, the testing shall be performed in accordance 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 or reporting is required for particulate emissions from the firing of No. 2 fuel oil in boiler IB03 (ID No. ES06).

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

**Emission Standard**

a. Emissions of sulfur dioxide from boiler IB03 (ID No. ES06) 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 C. 2. a. above, the Permittee shall be deemed in noncompliance with 15A NCAC 2D .0516.

**Monitoring/Recordkeeping/Reporting**

c. No monitoring, recordkeeping or reporting is required for sulfur dioxide emissions from the firing of No. 2 fuel oil in boiler IB03 (ID No. ES06).

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

**Emission Standard**

a. Visible emissions from boiler IB03 (ID No. ES06) 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 C. 3. a. above, the Permittee shall be deemed in noncompliance with 15A NCAC 2D .0521.

**Monitoring/Recordkeeping/Reporting**

c. No monitoring, recordkeeping or reporting is required for visible emissions from the firing of No. 2 fuel oil in boiler IB03 (ID No. ES06).

# 2.2- Multiple Emission Sources Specific Limitations and Conditions

## A. Facility-wide emission sources including the coating operations (ID No. ES01 and ES05) and associated regenerative oxidizer and afterburner (ID No. RTO-1 and T001) and three underground storage tanks (ID Nos. ES04c, ES04e, and ES04f)

**STATE-ONLY REQUIREMENT**

**1. 15A NCAC 2D .1100: TOXIC AIR POLLUTANT EMISSIONS LIMITATION AND REPORTING REQUIREMENT**

a. Pursuant to 15A NCAC 2D .1100 and in accordance with the approved application for an air toxic compliance demonstration approved May 15, 1996; the following permit limits shall not be exceeded:

| Emission Sources | Toxic Air Pollutants | Emission Limits |
|---|---|---|
| Coating operations (ID No. ES01) including lacquer machines (ID Nos. LM06 and LM81) and Coating operations (ID No. ES05) | Ethyl acetate | 540 pounds per hour |
| | Methyl ethyl ketone | 1170 pounds per day<br>336 pounds per hour |
| | Toluene | 1470 pounds per day<br>216 pounds per hour |
| Ethyl acetate storage tank (ID No. ES04f) | Ethyl acetate | 7 pounds per hour |
| Methyl ethyl ketone storage tank (ID No. ES04c) | Methyl ethyl ketone | 7.4 pounds per day |
| Toluene storage tank (ID No. ES04e) | Toluene | 2.9 pounds per day |

b. To ensure compliance with the permit limits in Section 2.2 A. 1. a. above, the following restrictions shall apply:

i. the three underground solvent storage tanks (**ID Nos. ES04c, ES04e, and ES04f**) shall not be filled with solvent more than one time per 24-hour period, and
ii. emissions from the coating operations (**ID No. ES01 and ES05**) shall be controlled by the regenerative thermal oxidizer (**ID No. RTO-1**) or afterburner (**ID No. T001**) in accordance with Section 2.1.A.1.b above.

**Monitoring** [15A NCAC 2D .1100]

c. Monitoring shall be performed in accordance with Sections 2.1 A. 1. h. through 2.1 A. 1. l. above. The Permittee shall be deemed in noncompliance with 15A NCAC 2D .1100 if the monitoring requirements specified above are not performed.

**Recordkeeping** [15A NCAC 2D .1100]

d. The Permittee shall:

i. maintain tank filling records and the records required in Sections 2.1 A. 1. l. & m. in a logbook (written or electronic format) as necessary to determine compliance with the limits given in 2.2 A. 1. a. above.
ii. shall keep records of the quantity of ethyl acetate, methyl ethyl ketone, and toluene containing materials used; the ethyl acetate, methyl ethyl ketone, and toluene contained in these materials; and the fraction of ethyl acetate, methyl ethyl ketone, and toluene estimated to be emitted during production. These records and the ethyl acetate, methyl ethyl ketone, and toluene emissions must be updated and calculated monthly.

The Permittee shall maintain these records for a period of five years from the date of recording. The Permittee shall be deemed in noncompliance with 15A NCAC 2D .1100 if these records are not maintained

**Reporting** [15A NCAC 2D .1100]

e. For compliance purposes, within 30 days after each calendar year quarter the following shall be reported to the Regional Supervisor, DAQ**:**
   i. The maximum hourly emission rate of ethyl acetate from storage tank ID No. ES04f;
   ii. The maximum daily emission rate of methyl ethyl ketone from storage tank ID No. ES04c;
   iii. The maximum daily emission rate of tolune from storage tank ID No. ES04e;
   iv. The maximum hourly emission rate of ethyl acetate from coating operations ID Nos. ES01, LM06, LM81, and ES05;
   v. The maximum hourly emission rate and maximum daily rate of methyl ethyl ketone from coating operations ID Nos. ES01, LM06, LM81, and ES05; and
   vi. The maximum hourly emission rate and maximum daily rate of toluene from coating operations ID Nos. ES01, LM06, LM81, and ES05.

## B. Facility-wide emission sources

Table 2.2.B. The above emission sources are subject to this multiple emission source limit:

| Regulated Pollutant | Limits/Standards | Applicable Regulation |
|---|---|---|
| 2,4-Toluene diisocyanate | 0.003 lbs/day | 15A NCAC 2Q .0711 |
| Xylene | 57 lbs/day and 16.4 lbs/hour | 15A NCAC 2Q .0711 |

**STATE-ONLY REQUIREMENT:**

**1. 15A NCAC 2Q .0711: TOXIC AIR POLLUTANT EMISSIONS LIMITATION**

a. Pursuant to 15A NCAC 2Q .0711 a permit to emit toxic air pollutants shall be required for any facility whose actual (or permitted if higher) rate of emissions from all sources are greater than any one of the toxic air pollutant permitting emission rates (TPER) listed above or listed under 15A NCAC 2Q .0711.

b. All emission sources at the facility shall be operated and maintained in such a manner that emissions of any toxic air pollutant from the facility, including fugitive emissions, will not exceed the TPERs in Table 2.2 B. above or listed in 15A NCAC 2Q .0711.

c. The Permittee shall maintain records of operational information demonstrating that the toxic air pollutant emissions do not exceed the TPERs listed above.

## STATE ENFORCEABLE ONLY

## C. 15A NCAC 2Q .0705: EXISTING FACILITES AND SIC CALLS for TOXIC AIR POLLUTANT EMISSIONS LIMITATION REQUIREMENT

a. As of December 1, 2006 emissions of toxic air pollutants have been demonstrated on a facility-wide basis (excluding those sources exempt under 15A NCAC 2Q .0702 "Exemptions") that each of the toxic air pollutants (TAPs) emitted from all sources at the facility are either below its respective toxic permit emission rates (TPER) listed in 15A NCAC 2Q .0711 - "Emission Rates Requiring a Permit" or the TAPs are in compliance with 15A NCAC 2D .1100 "Control of Toxic Air Pollutants" as described above in Section 2.2 A. and Section 2.2 B. above.

b. The facility shall be operated and maintained in such a manner that any new, existing or increased actual emissions of any TAP listed in 15A NCAC 2Q .0711 or in this permit from all sources at the facility (excluding those sources exempt under 15A NCAC 2Q .0702 "Exemptions"), including fugitive emissions and emission sources not otherwise required to have a permit, will not exceed its respective TPER listed in 15A NCAC 2Q .0711 without first obtaining an air permit to construct or operate.

c. Prior to exceeding any of the TPERs listed in 15A NCAC 2Q .0711, the Permittee shall be responsible for obtaining an air permit to emit TAPs and for demonstrating compliance with the requirements of 15A NCAC 2D .1100 "Control of Toxic Air Pollutants".

d. The Permittee shall maintain at the facility records of operational information sufficient for demonstrating to the Division of Air Quality staff that actual TAPs are less than the rate listed in 15A NCAC 2Q .0711.

e. The TPER table (Table 2.2 B.) listed in Section 2.2 B. above, is provided to assist the Permittee in determining when an air permit is required pursuant to 15A NCAC 2Q .0711 and may not represent all TAPs being emitted from the facility. This table will be updated at such time as the permit is either modified or renewed.

## D. 15A NCAC 2D .1111: "Maximum Achievable Control Technology" Facility-wide affected emission sources - All facilities Subject to 40 CFR 63 Subpart JJJJ: NATIONALEMISSION STANDARDS FOR PAPER AND OTHER WEB COATING

- ES01 – Coating operations
- ES02 – Mixing operations
- ES03 – Parts cleaning tank
- ES05 – Coating operations

**Applicability**

1. The paper and other web coating operations **(ID Nos. ES01 through ES03, and ES05)** shall comply with all requirements of 15A NCAC 2D .1111 "Maximum Achievable Control Technology" and 40 CFR Part 63 Subpart JJJJ "National Emission Standards for Hazardous Air Pollutants: Paper and Other Web Coatings." [40 CFR 63.3280]. For the purpose of this permit condition, the requirements of this Subpart apply to the collection of all web coating lines at the facility including lines engaged in the coating of metal webs that are used in flexible packaging, and web coating lines engaged in the coating of fabric substrates for use in pressure sensitive tape and abrasive materials. This Subpart does not apply to the coating lines specified in 40 CFR 63.3300(a) through (g).

**Definitions**

2. For the purpose of this permit condition, the definitions and nomenclature contained in 40 CFR 63.3310 shall apply.

**Regulated Pollutants**

3. This Subpart requires the Permittee to limit organic hazardous air pollutant emissions.

**General Provisions**

4. The Permittee shall comply with the requirements of 40 CFR Part 63 Subpart A "General Provisions", according to the applicability of Subpart A to such sources as identified in Table 2 of Subpart JJJJ: General Provisions Applicability to Subpart JJJJ.

**Compliance Dates**

5. The Permittee shall be in compliance by December 5, 2005.

**Compliance Statement**

6. Failure to comply with the applicable standards and dates contained in 40 CFR 63.3320 through 40 CFR 63.3330, general requirements for compliance with the emission standards and for monitoring and performance tests contained in 40 CFR 63.3340 through 40 CFR 63.3360, requirements for showing compliance contained in 40 CFR 63.3370, and all notifications, reports and records contained in 40 CFR 63.3400 and 40 CFR 63.3410, as described below, shall be considered a violation of Subpart JJJJ.

**63.3320-63.3321 Emission Standards and Operating Limits**

7. a. The Permittee of an affected source subject to the requirements of this Subpart must comply with the following requirements on and after the compliance dates as specified in 40 CFR 63.3330. The Permittee shall demonstrate compliance with this Subpart by following the procedures in 40 CFR 63.3370.

The Permittee shall limit organic HAP emissions through one of the options listed below:

| | |
|---|---|
| Existing sources<br><br>New sources | -No more than 5 percent of the organic HAP applied for each month (95 percent reduction)<br><br>-No more than 2 percent of the organic HAP applied for each month (98 percent reduction) |
| Existing sources<br><br>New sources | -No more than 4 percent of the mass of coating materials applied for each month<br><br>-No more than 1.6 percent of the mass of coating materials applied for each month |
| Existing sources<br><br>New sources | -No more than 20 percent of the mass of coating solids applied for each month<br><br>-No more than 8 percent of the mass of coating solids applied for each month |
| All sources using an oxidizer to control organic HAP emissions | -Operate the oxidizer such that an outlet organic HAP concentration of no greater than 20 parts per million by volume (ppmv) by compound on a dry basis is achieved AND the efficiency of the capture system is 100 percent. |

b. The Permittee of an affected source using an add-on control device, other than a solvent recovery system with liquid-liquid material balance, shall meet the operating limits specified in Table 1 of this Subpart. If the Permittee uses an add-on control device other than those listed in Table 1 of 40 CFR Part 63, Subpart JJJJ) or wishes to monitor an alternative parameter and comply with a different operating limit, he must apply to the Administrator for approval under 40 CFR 63.8(f).

i. These operating limits apply to emission capture systems and control devices, and
ii. The Permittee must establish the operating limits during the performance test according to the requirements in 40 CFR 63.3360(e)(3) and shall meet those limits at all times after they are established.

The Permittee shall be deemed in noncompliance with 40 CFR Subpart JJJJ if the operating limits are exceeded.

**63.3350 Monitoring Requirements for Control Devices used to Comply with the Emission Standards**

8 a. Following the date on which the initial performance test of a control device is completed to demonstrate continuing compliance with the standards, the Permittee shall monitor and inspect each capture system and each control device used to comply with 40 CFR 63.3320. The Permittee shall install and operate the monitoring equipment as specified below:

| **If you operate a web coating line, and have the following:** | **Then you must:** |
|---|---|
| Intermittently-controlled work stations | -Record parameters related to possible exhaust flow bypass of control device and to coating use (40 CFR 63.3350(c)) |
| Solvent recovery units | -Operate continuous emission monitoring system and perform quarterly audits or determine volatile matter recovered and conduct a liquid-liquid material balance (40 CFR 63.3350(d)) |
| Control device<br>Capture System | -Operate continuous parameter monitoring system (40 CFR 63.3350(e))<br>-Monitor capture system operating parameter (40 CFR 63.3350(f)) |

**63.3360 Performance Tests**

9. a. The Permittee shall conduct the following performance tests:

| If you control organic HAP on any individual web coating line or any group of web coating lines by: | You must: |
|---|---|
| Limiting organic HAP or volatile matter content of coatings | -Determine the organic HAP or volatile matter and coating solids of coating materials according to procedures in 40 CFR 63.3360(c) and (d). If applicable, determine the mass of volatile matter retrained in the coated web or otherwise not emitted to the atmosphere according to 40 CFR 63.3360(g) |
| Using a capture and control system | -Conduct a performance test for each capture system to determine the destruction or removal efficiency of each control device other than solvent recovery according to 40 CFR 63.3360(e), and the capture efficiency of each capture system according to 40 CFR 63.3360(f). If applicable, determine the mass of volatile matter retrained in the coated web or otherwise not emitted to the atmosphere according to 40 CFR 63.3360(g). |

b. If the control device is being used to comply with the emission standards in 40 CFR 63.3320, the Permittee is not required to conduct a performance test to demonstrate compliance if one or more of the criteria in 40 CFR 63.3360(b)(1) through (3) are met.

**63.3370 Compliance Demonstrations**

10. a. The Permittee shall demonstrate compliance according to the following:

| If you choose to demonstrate compliance by: | Then you must demonstrate that: | To accomplish this: |
|---|---|---|
| (1) Use of ''as-purchased'' compliant coating materials. | (i) Each coating material used at an existing affected source does not exceed 0.04 kg organic HAP per kg coating material, and each coating material used at a new affected source does not exceed 0.016 kg organic HAP per kg coating material as-purchased; or. | Follow the procedures set out in 63.3370(b). |
| | (ii) Each coating material used at an existing affected source does not exceed 0.2 kg organic HAP per kg coating solids, and each coating material used at a new affected source does not exceed 0.08 kg organic HAP per kg coating solids as-purchased. | Follow the procedures set out in 63.3370(b). |
| (2) Use of ''as-applied'' compliant coating materials. | (i) Each coating material used at an existing affected source does not exceed 0.04 kg organic HAP per kg coating material, and each coating material used at a new affected source does not exceed 0.016 kg organic HAP per kg coating material as-applied; or | Follow the procedures set out in 63.3370(c)(1). Use either Equation 1a or b of 63.3370 to determine compliance with 63.3320(b)(2) in accordance with 63.3370(c)(5)(i). |
| | ii) Each coating material used at an existing affected source does not exceed 0.2 kg organic HAP per kg coating solids, and each coating material used at a new affected source does not exceed 0.08 kg organic HAP per kg coating solids as-applied; | Follow the procedures set out in 63.3370(c)(2). Use Equations 2 and 3 of 63.3370 to determine compliance with 63.3320(b)(3) in accordance with 63.3370(c)(5)(i). |

| If you choose to demonstrate compliance by: | Then you must demonstrate that: | To accomplish this: |
|---|---|---|
| | or<br>(iii) Monthly average of all coating materials used at an existing affected source does not exceed 0.04 kg organic HAP per kg coating material, and monthly average of all coating materials used at a new affected source does not exceed 0.016 kg organic HAP per kg coating material as-applied on a monthly average basis;<br>or<br>(iv) Monthly average of all coating materials used at an existing affected source does not exceed 0.2 kg organic HAP per kg coating solids, and monthly average of all coating materials used at a new affected source does not exceed 0.08 kg organic HAP per kg coating solids as-applied on a monthly average basis. | Follow the procedures set out in 63.3370(c)(3). Use Equation 4 of 63.3370 to determine compliance with 63.3320(b)(2) in accordance with 63.3370(c)(5)(ii).<br><br>Follow the procedures set out in 63.3370(c)(4). Use Equation 5 of 63.3370 to determine compliance with 63.3320(b)(3) in accordance with 63.3370(c)(5)(ii). |
| (3) Tracking total monthly organic HAP applied | Total monthly organic HAP applied does not exceed the calculated limit based on emission limitations. | Follow the procedures set out in 63.3370(d). Show that total monthly HAP applied (Equation 6 of 63.3370) is less than the calculated equivalent allowable organic HAP (Equation 13a or b of 63.3370). |
| (4) Use of a capture system and control device | (i) Overall organic HAP control efficiency is equal to 95 percent at an existing affected source and 98 percent at a new affected source on a monthly basis; or oxidizer outlet organic HAP concentration is no greater than 20 ppmv by compound and capture efficiency is 100 percent; or operating parameters are continuously monitored;<br>or<br>(ii) Overall organic HAP emission rate does not exceed 0.2 kg organic HAP per kg coating solids for an existing affected source or 0.08 kg organic HAP per kg coating solids for a new affected source on a monthly average as-applied basis;<br>or<br>(iii) Overall organic HAP emission rate does not exceed 0.04 kg organic HAP per kg coating material for an existing affected source or 0.016 kg organic HAP per kg coating material for a new affected source on a monthly average as-applied basis;<br>or<br>(iv) Overall organic HAP emission rate does not exceed the calculated limit based on emission limitations. | Follow the procedures set out in 63.3370(e) to determine compliance with 63.3320(b)(1) according to 63.3370(i) if using a solvent recovery device, or 63.3370(j) if using a control device and CPMS, or 63.3370(k) if using an oxidizer.<br><br>Follow the procedures set out in 63.3370(f) to determine compliance with 63.3320(b)(3) according to 63.3370(i) if using a solvent recovery device, or 63.3370(k) if using an oxidizer.<br><br>Follow the procedures set out in 63.3370(g) to determine compliance with 63.3320(b)(2) according to 63.3370(i) if using a solvent recovery device, or 63.3370(k) if using an oxidizer.<br><br>Follow the procedures set out in 63.3370(h). Show that the monthly organic HAP emission rate is less than the calculated equivalent allowable organic HAP emission rate<br>(Equation 13a or b of 63.3370). Calculate the monthly organic HAP emission rate according to 63.3370(i) if using a solvent recovery device, or 63.3370(k) if using an |

| If you choose to demonstrate compliance by: | Then you must demonstrate that: | To accomplish this: |
|---|---|---|
| | | oxidizer. |
| (5) Use of multiple capture and/or control devices. | (i) Overall organic HAP control efficiency is equal to 95 percent at an existing affected source and 98 percent at a new affected source on a monthly basis;<br>or | Follow the procedures set out in 63.3370(e) to determine compliance with 63.3320(b)(1) according to 63.3370(e)(1) or (2). |
| | (ii) Average equivalent organic HAP emission rate does not exceed 0.2 kg organic HAP per kg coating solids for an existing affected source or 0.08 kg organic HAP per kg coating solids for a new affected source on a monthly average as-applied basis;<br>or | Follow the procedures set out in 63.3370(f) to determine compliance with 63.3320(b)(3) according to 63.3370(n). |
| | (iii) Average equivalent organic HAP emission rate does not exceed 0.04 kg organic HAP per kg coating material for an existing affected source or 0.016 kg organic HAP per kg coating material for a new affected source on a monthly average as-applied basis;<br>or | Follow the procedures set out in 63.3370(g) to determine compliance with 63.3320(b)(2) according to 63.3370(n). |
| | (iv) Average equivalent organic HAP emission rate does not exceed the calculated limit based on emission limitations. | Follow the procedures set out in 63.3370(h). Show that the monthly organic HAP emission rate is less than the calculated equivalent allowable organic HAP emission rate (Equation 13a or b of 63.3370) according to 63.3370(n). |
| (6) Use of a combination of compliant coatings and control devices. | (i) Average equivalent organic HAP emission rate does not exceed 0.2 kg organic HAP per kg coating solids for an existing affected source or 0.08 kg organic HAP per kg coating solids for a new affected source on a monthly average as-applied basis;<br>or | Follow the procedures set out in 63.3370(f) to determine compliance with 63.3320(b)(3) according to 63.3370(n). |
| | (ii) Average equivalent organic HAP emission rate does not exceed 0.04 kg organic HAP per kg coating material for an existing affected source or 0.016 kg organic HAP per kg coating material for a new affected source on a monthly average as-applied basis;<br>or | Follow the procedures set out in 63.3370(g) to determine compliance with 63.3320(b)(2) according to 63.3370(n). |
| | (iii) Average equivalent organic HAP emission rate does not exceed the calculated limit based on emission limitations. | Follow the procedures set out in 63.3370(h). Show that the monthly organic HAP emission rate is less than the calculated equivalent allowable organic HAP emission rate (Equation 13a or b of 63.3370) according to 63.3370(n). |

**63.3400 Notifications and Reporting**

11. a. The Permittee shall submit all required reports and notifications according to the following schedule:

| Event | Existing Sources | New/Reconstructed Sources |
|---|---|---|
| Submit Initial Notification | December 5, 2004 | Within 120 days from start-up or April 3, 2003 (whichever is later) |
| Submit Notification of Intent to Conduct Performance Test | At least 60 days before the performance test is scheduled to begin, but no later than April 4, 2006 | By April 3, 2003 or at least 60 days before the performance test is scheduled to begin (whichever is later) |
| Conduct Initial Performance Test | No later than June 3, 2006 | By June 2, 2003, or within 180 days from startup (whichever is later) |
| Performance Test Report | Within 60 days after completing the initial performance test, but no later than August 2, 2006 (submit results with the "Notification of Compliance Status" report) | By August 1, 2003 or within 240 days after initial startup (whichever is later; submit with the "Notification of Compliance Status" report) |
| Notification of Compliance Status | No later than August 2, 2006 | No later that August 1, 2003, or within 60 days following the completion of the performance test |
| Semiannual Compliance Reports | No later than July 31, 2006 and semiannually thereafter | No later than July 31 or January 31, whichever date is the first date after the end of the initial compliance date, and semiannually on July 31 or January 31 thereafter |

b. The Permittee shall submit the initial notification as required by 40 CFR 63.9(b). The Permittee may submit a title V application in lieu of this initial notification provided it contains the same information as required by 40 CFR 63.9(b) and is submitted by the same date specified above.

c. The Permittee shall submit a semiannual compliance report according to the schedules above. The report shall contain all elements as described in 40 CFR 63.3400(c)(2)(i) through (vi).

d. The Permittee shall submit a notification of performance test as specified in 40 CFR 63.7 and 63.9(e) if he is complying with the emission standards in this Subpart using a control device that is required to have a performance test. This notification and the site-specific test plan required under 40 CFR 63.7(c)(2) shall identify the operating parameters to be monitored to ensure that the capture efficiency of the capture system and the control efficiency of the control device determined during the performance test are maintained.

e. The Permittee shall submit the notification of compliance status as specified in 40 CFR 63.9(h).

f. The Permittee shall submit performance test reports as specified in 40 CFR 63.10(d)(2) if a control device is being used to comply with the emission standards in this Subpart and you have not obtained a waiver from the performance test requirement or you are not exempted from this requirement by 40 CFR 63.3360(b).

g. The Permittee shall submit a startup, shutdown, and malfunction report as specified in 40 CFR 63.10(d)(5), except that the provisions in Subpart A of this part pertaining to startups, shutdowns, and malfunctions do not apply unless a control device is used to comply with this Subpart.

The Permittee shall be deemed in noncompliance with 40 CFR Subpart JJJJ if the notifications and/or reports are not submitted.

**63.3410 Recordkeeping**

12. a. The Permittee shall maintain the following records on a monthly basis in accordance with the requirements of 40 CFR 63.10(b)(1).

i. records specified in 40 CFR 63.10(b)(2) of all measurements needed to demonstrate compliance with this standard as outlined in 40 CFR 63.3410(a)(1)(i) through (vi);
ii. records specified in 40 CFR 63.10(c) for each CMS operated in accordance with the requirements of 40 CFR 63.3350(b).

b. The Permittee shall maintain records of all liquid-liquid material balances performed in accordance with the requirements of 40 CFR 63.3370. The records must be maintained in accordance with the requirements of 40 CFR 63.10(b).

The Permittee shall be deemed in noncompliance with 40 CFR Subpart JJJJ if the monitoring requirements specified above are not performed.

# 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(i)(16)]
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(i)(9)(B)]
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)(2)]
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(e) and 2Q .0508(i)(16)]
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(i)(2)]
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 quarterly. A written report to the Regional Supervisor shall include the probable cause of such deviation and any corrective actions or preventative actions taken. The responsible official shall certify all deviations from permit requirements.

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 start-up and shut-down shall be considered a violation of the appropriate rule if the owner or operator 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 .0508(e) and 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(i)(4)]

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(i)(9)]

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) and 2Q .0508 (l)]
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(n)]
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(i)(8)]
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(l) 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(i)(10)]
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(i)(9)]
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)(3)]
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(h)]
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(i)(1)]
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(i)(16)]
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(i)(16)]
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.

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 |
| **$PM_{10}$** | 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 |
| **$SO_2$** | Sulfur Dioxide |
| **tpy** | Tons Per Year |
| **VOC** | Volatile Organic Compound |