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 13, 2008

Mr. Robert Zendel
Plant Manager
Shurtape Technologies, LLC
P. O. Box 1530
Hickory, North Carolina 28603

Dear Mr. Zendel:

SUBJECT: Air Quality Permit No. 08486T08
Facility ID: 1400185
Shurtape Technologies, LLC - Plant No. 24
Hudson
Caldwell
Fee Class: Title V

In accordance with your completed Air Quality Permit Application for the modification of the Title V permit January 16, 2008, we are forwarding herewith Air Quality Permit No. 08486T08 to Shurtape Technologies, LLC, 220 Pleasant Hill Road, Hudson, 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**

The compliance certification as described in General Condition P is required. Unless otherwise notified by NC DAQ, the affected Part I terms of this permit (excluding the permit shield as described General Condition R) for this source shall become final on (Enter date; 60 days after issue date). Until this date, the affected Part I permit terms herein reflect the proposed operating language that the Permittee shall operate this source under pursuant to 15A NCAC 2Q .0515(f).

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 March 13, 2008 until December 31, 2010, 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 Gautam Patnaik, P.E., at (919) 715-6246.

Sincerely yours,

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

cc: Gregg Worley, EPA Region 4
Asheville Regional Office
Central Files

Air Quality Permit No. 08486T08
Attachment
Insignificant Activities

Emission Source ID No.	Emission Source Description	Insignificant Activity Regulation
I-SRSS	synthetic rubber storage silo with bagfilter control	15A NCAC 2Q .0503(8)
I-24-WT1	215 gallon internal resin tank	15A NCAC 2Q .0503(8)

Air Quality Permit No. 08486T08
Table of Changes

Page(s)	Section	Description of Change(s)
4	Source table	Added corona treater (ID No. ES-24-CT-1)
17	General conditions	Updated

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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
08486T08	08486T07	March 13, 2008	December 31, 2010

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:	**Shurtape Technologies, LLC - Plant No. 24**
Facility ID:	**1400185**
Facility Site Location:	**220 Pleasant Hill Road**
City, County, State, Zip:	**Hudson, Caldwell, North Carolina, 28638**
Mailing Address:	**P. O. Box 1530**
City, State, Zip:	**Hickory, North Carolina 28603**
Application Number:	**1400185.08A**
Complete Application Date:	**January 16, 2008**
Primary SIC Code:	**2672**
Division of Air Quality, Regional Office Address:	**Asheville Regional Office** **2090 US Hwy. 70** **Swannanoa, NC 28778**

Permit issued this the 13th day of March, 2008

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

Table of Contents

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**
24-CL1-1 **NSPS** **CAM** **MACT**	one oriented polypropylene (OPP) release coating station (maximum capacity of 10,628 pounds per hour)	24-SR-1	one double bed carbon adsorption solvent recovery system (minimum 2,800 pounds of carbon per bed)
24-MT-1 through 24-MT-4 **MACT**	four release coat mixing tanks (750 gallons each)	24-SR-1	one double bed carbon adsorption solvent recovery system (minimum 2,800 pounds of carbon per bed)
24-CL1-2 **NSPS** **CAM** **MACT**	one nitrogen atmosphere, hot-oil heated release coating drying oven	24-ASRS-1	one closed-loop solvent recovery condenser (water/nitrogen/tol-uene coolant with design flow of 42,043 pounds per hour total flow; 2105 square feet of surface area) installed in series with ID No. 24-SR-1
24-CL1-3 **NSPS** **MACT**	one adhesive coating station	NA	NA
24-RB-1, 24-AO-1, and 24-	two raw material hoppers and one extruder throat hopper	24-BH-1	one bagfilter (325 square feet of filter

TH-1 **MACT**			area; air pulse-type design)
24-TST-1 **MACT**	one recovered solvent (toluene) above ground storage tank (2999 gallon capacity)	NA	NA
24-MRT-1 and 24-MRT-2 **NSPS** **MACT**	two resin storage tanks (30,000 gallons each) equipped with conservation vents	NA	NA
24-POST-1 **MACT**	one process oil storage tank (10,606 gallons)	NA	NA
24-BLR-1 **NSPS** **MACT**	one natural gas/propane-fired boiler (10.46 million Btu per hour maximum heat input)	NA	NA
24-QALAB-1	one quality assurance laboratory	NA	NA
RMUO **MACT**	raw material unloading operation	NA	NA
PESC **MACT**	process equipment solvent (toluene) clean-up process	NA	NA
ES-24-CT-1[τ]	Corona treater	NA	NA

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. One oriented polypropylene (OPP) release coating station (maximum capacity of 10,628 pounds per hour) (ID No. 24-CL1-1), one nitrogen atmosphere, hot-oil heated release coating drying oven (ID No 24-CL1-2), and associated condenser (ID No. 24-ASRS-1) and double bed carbon adsorption solvent recovery system (ID No. 24-SR-1)

τ No applicable regulations

One adhesive coating station (ID No. 24-CL1-3)

The following table provides a summary of limits and standards for the emission source(s) described above:

Regulated Pollutant	Limits/Standards	Applicable Regulation
Visible emissions	20 percent opacity	15A NCAC 2D .0521
VOC	0.20 kg VOC/kg solids applied or 90 percent VOC reduction/month or VOC reduction per 40 CFR 60.443(b)	15A NCAC 2D .0524 [NSPS Subpart RR]
VOC	See Section 2.1 A.3. (ID Nos. 24-CL-1 and 24-CL1-2 only)	15A NCAC 2D .0614 [40 CFR 64]
VOC	See Subsection 2.2 A.1.	15A NCAC 2D .0958
Toluene	See Subsection 2.2 B.1. and 2.2 C.1.	15A NCAC 2D .1100
Benzene	See Subsection 2.2 B.1. and 2.2 C.1.	15A NCAC 2D .1100
Hazardous Air Pollutants	See Section 2.1 A.4.	15A NCAC 2D .1111 [MACT Subpart JJJJ]
Odors	See Subsection 2.2 A.2. State-enforceable only	15A NCAC 2D .1806

1. 15A NCAC 2D .0521: CONTROL OF VISIBLE EMISSIONS

a. Visible emissions from these sources (ID Nos. 24-CL1-1, 24-CL1-2, and 24-CL1-3) 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 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 .0521.

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

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

2. 15A NCAC 2D .0524: NEW SOURCE PERFORMANCE STANDARDS [NSPS Subpart RR]

a. 40 CFR 60 Subpart RR - "Standards of Performance for Pressure Sensitive Tape and Label Surface Coating Operations" paragraph 60.442(a) applies to this line as the line input is greater than 45MG (~99,000 lbs) of VOC per 12 month period.

b. **Standards** [40 CFR 60.442] - On and after the date on which the performance test required by 60.8 has been completed each owner or operator shall:

i. cause the discharge into the atmosphere from an affected facility not more than 0.20 kg VOC/kg of coating solids applied as calculated on a weighted average basis for one calendar month; or

ii. demonstrate for each affected facility a 90 percent overall VOC emission reduction as calculated over a calendar month; or

iii. the percent overall VOC emission reduction specified in 60.443(b) as calculated over a calendar month.

c. **Monitoring/Recordkeeping** [15A NCAC 2Q .0508(f)]
Monitoring and record keeping requirements in Section 2.1 A.4.e. through j. below shall be sufficient to assure compliance with 15A NCAC 2D .0524. If the requirements in Section 2.1 A.4.e. through j. are not complied, the Permittee shall be deemed in noncompliance with 15A NCAC 2D .0524 (i.e., noncompliance with any requirements in Section 2.1 A.4.e. through j. shall be deemed as noncompliance with 15A NCAC 2D .0524).

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

d. Reporting requirements in Section 2.1 A.4.k. through m. below shall be sufficient to assure compliance with 15A NCAC 2D .0524.

3. 15A NCAC 2D .0614: COMPLIANCE ASSURANCE MONITORING [40 CFR 64]

a. The oriented polypropylene web coating line emission sources (ID Nos. 24-CL1-1 and 24-CL1-2) shall comply with all applicable requirements of 15A NCAC 2D .0614 "Compliance Assurance Monitoring".

b. The double bed carbon adsorption solvent recovery system (ID No. 24-SR-1) and water/nitrogen/toluene-cooled condenser (ID No. 24-CL1-2) shall be properly operated and maintained to control VOC emissions from oriented polypropylene web coating line emission sources (ID Nos. 24-CL1-1 and 24-CL1-2).

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

c. Monitoring and record keeping requirements in Section 2.1 A.4.e. through j. below shall be sufficient to assure compliance with 15A NCAC 2D .0614.

d. If any monthly liquid-liquid material balance indicates that actual VOC recovered is within 10 percent of the emission standard in Section 2.1 A.4.c. below, the Permittee shall initiate an inspection of the double bed carbon adsorption solvent recovery system (ID No. 24-SR-1) within 24 hours of the calculation of a sub-10 percent of compliance value as follows:

i. The Permittee shall inspect the collection ductwork and double bed carbon adsorption solvent recovery system (ID No. 24-SR-1) for structural integrity and leaks. Each adsorber shall be equipped with a device to ensure that the fan on the solvent-laden air (SLA) inlet duct is operating properly, which ensures adequate flow across the carbon bed. The pressure drop across each bed during normal source operation shall be maintained in the range between 7.5 to 20 inches of water. The device to measure the pressure drop across each bed shall be installed in an accessible location and shall be maintained by the Permittee such that it is in proper working order at all times. A carbon adsorber log book shall be kept on site and made available to Division of Air Quality personnel upon request. Any variance from manufacturer's recommendations or best practices identified by the Permittee shall be investigated with corrections made and date of actions recorded in the adsorber logbook. If the inspection is not made within 24 hours of the sub-10 percent of material balance calculation, the Permittee shall be deemed to be in noncompliance with 15A NCAC 2D .0614.

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

e. The Permittee shall submit a summary report of all monitoring and record keeping 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.

4. 15A NCAC 2D .1111: MAXIMUM ACHIEVABLE CONTROL TECHNOLOGY [MACT SUBPART JJJJ]

a. For oriented polypropylene web coating line emission sources (ID Nos. 24-CL1-1, 24-CL1-2, and 24-CL1-3), release coat mixing tanks (ID Nos. 24-MT-1 through 24-MT-4), raw material hoppers and extruder throat hopper (ID Nos. 24-RB-1, 24-AO-1, and 24-TH-1), recovered solvent storage tank (ID No. 24-TST-1), resin storage tanks (ID Nos. 24-MRT-1 and 24-MRT-2), process oil storage tank (ID No. 24-POST-1), raw material unloading operation (ID No. RMUO), and process equipment solvent clean-up process (ID No. PESC), the Permittee shall demonstrate compliance by December 5, 2005 with all applicable requirements of 15A NCAC 2D .1111 "Maximum Achievable Control Technology (MACT)" and 40 CFR Part 63 Subpart JJJJ "National Emission Standards for Hazardous Air Pollutants: Paper and Other Web Coating".

b. For oriented polypropylene web coating line emission sources (ID Nos. 24-CL1-1, 24-CL1-2, and 24-CL1-3), release coat mixing tanks (ID Nos. 24-MT-1 through 24-MT-4), raw material hoppers and extruder throat

hopper (ID Nos. 24-RB-1, 24-AO-1, and 24-TH-1), recovered solvent storage tank (ID No. 24-TST-1), resin storage tanks (ID Nos. 24-MRT-1 and 24-MRT-2), process oil storage tank (ID No. 24-POST-1), raw material unloading operation (ID No. RMUO), and process equipment solvent clean-up process (ID No. PESC), the Permittee shall comply with all applicable provisions of Subpart A to 40 CFR 63 in accordance with Table 2 to Subpart JJJJ [§63.3340].

Emission Standard [15A NCAC 2D .1111]

c. For oriented polypropylene web coating line emission sources (ID Nos. 24-CL1-1, 24-CL1-2, and 24-CL1-3), the Permittee has chosen the option of limiting organic HAP emissions to no more than 20 percent of the mass of coating solids applied for each month [§63.3320(b)(3)].

Performance Test [15A NCAC 2D .1111]

d. The Permittee is not required to conduct performance test on solvent recovery device as per §63.3360(b)(3).

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

e. For oriented polypropylene web coating line emission sources (ID Nos. 24-CL1-1, 24-CL1-2, and 24-CL1-3), the Permittee has chosen to meet the requirements of liquid-liquid material balance in §63.3350(d)(2) to comply with emission standard in §63.3320(b)(3). The Permittee shall install, calibrate, maintain, and operate according to the manufacturer's specifications a device that indicates the cumulative amount of volatile matter recovered by the solvent recovery device on a monthly basis. The device shall be certified by the manufacturer to be accurate within ±2.0 percent by mass [§63.3350(d)].
The Permittee shall be deemed in noncompliance with 15A NCAC 2D .1111 if a monitoring device is not installed, calibrated, maintained, and operated for determining cumulative amount of volatile matter recovered by the solvent recovery device over a monthly basis.

f. For oriented polypropylene web coating line emission sources (ID Nos. 24-CL1-1, 24-CL1-2, and 24-CL1-3), the Permittee shall determine the organic HAP mass fraction of each coating material "as-applied" as per §63.3360(c). The Permittee shall be deemed in noncompliance with 15A NCAC 2D .1111 if organic HAP mass fraction of each coating material "as-applied" is not determined using the procedures in §63.3360(c).

g. For oriented polypropylene web coating line emission sources (ID Nos. 24-CL1-1, 24-CL1-2, and 24-CL1-3), the Permittee shall determine the volatile organic and coating solids content of each coating material "as-applied" as per §63.3360(d). The Permittee shall be deemed in noncompliance with 15A NCAC 2D .1111 if volatile organic and coating solids content of each coating material "as-applied" is not determined using the procedures in §63.3360(d).

h. The Permittee shall operate a capture system and control device such that the organic HAP emission rate for the oriented polypropylene web coating line emission sources (ID Nos. 24-CL1-1, 24-CL1-2, and 24-CL1-3) is limited to 0.20 kg organic HAP emitted per kg coating solids applied. If the affected source operates more than one capture system, more than one control device, one or more never-controlled work stations, or one or more intermittently-controlled work stations, then the Permittee shall demonstrate compliance in accordance with the provisions of paragraph (n) of §63.3370. The Permittee shall demonstrate compliance following the procedure in paragraph (i) and (o) of §63.3370 when emissions from the affected source are controlled by a solvent recovery device [§63.3370(f)].

i. The Pemittee shall perform a monthly liquid-liquid material balance as specified in paragraphs (i)(1)(ii), (iii), (v), and (vi) and (o) of §63.3370 and use the applicable equations in paragraphs (i)(1)(ii), (iii), (v), and (vi) and (o) of §63.3370 to convert the data to units of the selected compliance option in §63.3370(f). Compliance shall be determined in accordance with paragraph (i)(1)(ii), (iii), (v), and (vi) and (o) of §63.3370.
    i. If demonstrating compliance on the basis of organic HAP emission rate based on coating solids applied, organic HAP emission rate based on coating material applied, or emission of less than the calculated allowable organic HAP, determine the organic HAP content of each coating material as-applied during the month following the procedure in §63.3360(c) [§63.3370(i)(1)(ii)].
    ii. Determine the volatile organic content of each coating material as-applied during the month following the procedure in §63.3360(d) [§63.3370(i)(1)(iii)].
    iii. Determine and monitor the amount of volatile organic matter recovered for the month according to the procedures in §63.3350(d) [§63.3370(i)(1)(v)].
    iv. *Recovery efficiency.* Calculate the volatile organic matter collection and recovery efficiency using Equation 7 in 40 CFR 63 Subpart JJJJ: [§63.3370(i)(1)(vi)]

$$R_v = \frac{M_{vr} + M_{vret}}{\sum_{i=1}^{p} C_{vi} M_i + \sum_{i=1}^{q} C_{vij} M_{ij}} \times 100 \quad \text{Eq. 7}$$

Where:

R_v = Organic volatile matter collection and recovery efficiency, percent.

M_{vr} = Mass of volatile matter recovered in a month, kg.

M_{vret} = Mass of volatile matter retained in the coated web after curing or drying, or otherwise not emitted to the atmosphere, kg. The value of this term will be zero in all cases except where you choose to take into account the volatile matter retained in the coated web or otherwise not emitted to the atmosphere for the compliance demonstration procedures in §63.3370.

p = Number of different coating materials applied in a month.

C_{vi} = Volatile organic content of coating material, i, expressed as a mass fraction, kg/kg.

M_i = Mass of as-purchased coating material, i, applied in a month, kg.

q = Number of different materials added to the coating material.

C_{vij} = Volatile organic content of material, j, added to as-purchased coating material, i, expressed as a mass fraction, kg/kg.

M_{ij} = Mass of material, j, added to as-purchased coating material, i, in a month, kg.

v. *Never-controlled work stations*. The Permittee shall determine mass of all coating materials as-applied on never-controlled work station (ID No. 24-CL1-3) during the month [§63.3370(o)(1)].

vi. *Liquid liquid material balance compliance demonstration.* For each web coating line or group of web coating lines for which the Permittee uses the provisions of paragraph (n)(1)(ii) of this section, the Permittee shall calculate the organic HAP emitted during the month using Equation 14 of this section [§63.3370(o)(3)];

$$He = \left[\sum M_{ci} C_{ahi}\right]\left[1 - \frac{Rv}{100}\right] + \left[\sum M_{Bi} C_{ahi}\right] - Mvret \qquad \text{Eq. 14}$$

Where:

H_e = Total monthly organic HAP emitted, kg.

p = Number of different coating materials applied in a month.

M_{ci} = Sum of the mass of coating material, i, as-applied on intermittently-controlled work stations operating in controlled mode and the mass of coating material, i, as-applied on always controlled work stations in a month, kg.

C_{ahi} = Monthly average, as-applied, organic HAP content of coating material, i, expressed as a mass fraction, kg/kg.

R_v = Organic volatile matter collection and recovery efficiency, percent.

M_{Bi} = Sum of the mass of coating material, i, as-applied on intermittently-controlled work stations operating in by-pass mode and the mass of coating materials, i, as-applied on never-controlled work stations, in a month, kg.

C_{ahi} = Monthly average, as-applied, organic HAP content of coating material, i, expressed as a mass fraction, kg/kg.

M_{vret} = Mass of volatile matter retained in the coated web after curing or drying, or otherwise not emitted to the atmosphere, kg. The value of this term will be zero in all cases except where you choose to take into account the volatile matter retained in the coated web or otherwise not emitted to the atmosphere for the compliance demonstration procedures in §63.3370.

vii. Convert the information obtained under paragraph (n)(1) through (4) of this section into the unit of the selected compliance options using the calculation procedures specified in paragraphs (n)(5)(i) through (iv) of this section [§63.3370(n)(5)].

(A) *Organic HAP emitted.* Calculate the organic HAP emissions for the affected source for ht month by summing all organic HAP emissions calculated according to paragraphs (n)(1), (2)(ii), 3(iii), and (4) of §63.3370.

(B) *Coating solids applied.* If demonstrating compliance on the basis of organic HAP emission rate based on coating solids applied, organic HAP emission rate based on coating material applied, or emission of less than the calculated allowable organic HAP, determine the

organic HAP content of each coating material as-applied during the month following the procedure in §63.3360(d).

(C) *Organic HAP emission rate based on coating solids applied.* Calculate the organic HAP emission rate based on coating solids applied using Equation 9 in 40 CFR 63 Subpart JJJJ:

$$L = \frac{H_e}{\sum_{i=1}^{p} C_{si} M_i + \sum_{j=1}^{q} C_{sij} M_{ij}} \qquad \text{Eq. 9}$$

Where:

L = Mass organic HAP emitted per mass of coating solids applied, kg/kg.
H_e = Total monthly organic HAP emitted, kg.
p = Number of different coating materials applied in a month.
C_{si} = Coating solids content of coating material, i, expressed as a mass fraction, kg/kg.
M_i = Mass of as-purchased coating material, i, applied in a month, kg.
q = Number of different materials added to the coating material.
C_{sij} = Coating solids content of material, j, added to as-purchased coating material, i, expressed as a mass-fraction, kg/kg.
M_{ij} = Mass of material, j, added to as-purchased coating material, i, in a month, kg.

The Permittee shall be deemed in noncompliance with the emission standards in §63.3320(b) if the organic HAP emission rate based on coating solids applied exceeds 0.20 kg organic HAP per kg coating solids applied or the procedures in §63.3370(n) are not utilized to demonstrate compliance.

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

j. For oriented polypropylene web coating line emission sources (ID Nos. 24-CL1-1, 24-CL1-2, and 24-CL1-3), the Permittee shall maintain the following records specified in §63.3410(a)(1) on a monthly basis in accordance with the requirements of §63.10(b)(1):
   i. Records specified in §63.10(b)(2) of all measurements needed to demonstrate compliance with this standard, including:
      (A) Organic HAP content data for the purpose of demonstrating compliance in accordance with the requirements of §63.3360(c);
      (B) Volatile matter and coating solids content data for the purpose of demonstrating compliance in accordance with the requirements of §63.3360(d);
   ii. The Permittee shall maintain records of all liquid-liquid material balances performed in accordance with the requirements of §63.3370. The records must be maintained in accordance with the requirements of §63.10(b).

   The Permittee shall be deemed in noncompliance with 15A NCAC 2D .1111 if the records in Section 2.1 A.4.j. above are not maintained.

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

k. For oriented polypropylene web coating line emission sources (ID Nos. 24-CL1-1, 24-CL1-2, and 24-CL1-3), the Permittee shall submit a semiannual compliance report according to §63.3400(c).
l. For oriented polypropylene web coating line emission sources (ID Nos. 24-CL1-1, 24-CL1-2, and 24-CL1-3), the Permittee shall submit a Notification of Compliance Status as specified in §63.9(h) [§63.3400(e)].
m. For oriented polypropylene web coating line emission sources (ID Nos. 24-CL1-1, 24-CL1-2, and 24-CL1-3), 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.

B. One recovered solvent (toluene) above ground storage tank (2999 gallon capacity) (ID No. 24-TST-1), four release coat mixing tanks (ID Nos. 24-MT-1 through 24 MT-4) and associated double bed carbon adsorption solvent recovery system (ID No. 24-SR-1)

The following table provides a summary of limits and standards for the emission source(s) described above:

Regulated Pollutant	Limits/Standards	Applicable Regulation
VOC	See Subsection 2.2 A.1.	15A NCAC 2D .0958
Toluene	See Subsection 2.2 B.1. and 2.2 D.1.	15A NCAC 2D .1100
Benzene	See Subsection 2.2 B.1. and 2.2 D.1.	15A NCAC 2D .1100
Hazardous Air Pollutants	No emission limit or other applicable requirements	15A NCAC 2D .1111 [MACT Subpart JJJJ]
Odors	See Subsection 2.2 A.2. State-enforceable only	15A NCAC 2D .1806

C. Two resin storage tanks (30,000 gallons each, ID Nos. 24-MT-1 through 24 MT-4) and one process oil storage tank (10,606 gallons, ID No. 24-POST-1)

The following table provides a summary of limits and standards for the emission source(s) described above:

Regulated Pollutant	Limits/Standards	Applicable Regulation
-	Recording keeping Requirements only (ID Nos. 24-MT-1 through 24-MT-4 only)	15A NCAC 2D .0524 [NSPS Subpart Kb]
VOC	See Subsection 2.2 A.1.	15A NCAC 2D .0958
Hazardous Air Pollutants	No emission limit or other applicable requirements	15A NCAC 2D .1111 [MACT Subpart JJJJ]
Odors	See Subsection 2.2 A.2. State-enforceable only	15A NCAC 2D .1806

1. 15A NCAC 2D .0524: NEW SOURCE PERFORMANCE STANDARDS

a. **Recordkeeping** [15A NCAC 2Q .0508(f) and 40 CFR 60.116b(b)]
The permittee shall keep, for the life of the tank (ID Nos. 24-MT-1 through 24 MT-4 only), readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel.

D. One natural gas/propane-fired boiler (10.46 million Btu per hour maximum heat input, ID No. 24-BLR-1)

The following table provides a summary of limits and standards for the emission source(s) described above:

Regulated Pollutant	Limits/Standards	Applicable Regulation
Particulate Matter	0.59 lb per million Btu	15A NCAC 2D .0503
Sulfur Dioxide	2.3 lb per million Btu	15A NCAC 2D .0516
Opacity	20 percent	15A NCAC 2D .0521

-	Record keeping Requirements Only	15A NCAC 2D .0524 [NSPS Subpart Dc]
Hazardous Air Pollutants	Initial Notification Only	15A NCAC 2D .1111 [MACT Subpart DDDDD]
Odors	See Subsection 2.2 A.2. State-enforceable only	15A NCAC 2D .1806

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

a. Emissions of particulate matter from the combustion of natural gas and propane, that are discharged from this source into the atmosphere shall not exceed 0.59 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 with General Condition JJ. If the results of this test are above the limit given in Section 2.1 D. 1. a. above, the Permittee shall be deemed in noncompliance with 15A NCAC 2D .0503.

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

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 General Condition JJ found in Section 3. If the results of this test are above the limit given in Section 2.1 D. 2. a. above, the Permittee shall be deemed in noncompliance with 15A NCAC 2D .0516.

Monitoring/Recordkeeping/Reporting [15A NCAC 2Q .0508(f) and 15A NCAC 2D .0501(c)(4)(A)]

b. No monitoring/recordkeeping/reporting is required for sulfur dioxide emissions from the firing of natural gas and propane in this source.

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

a. Visible emissions from this source (ID No 24-BLR-1) 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 General Condition JJ. If the results of this test are above the limit given in Section 2.1 D. 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 particulate emissions from the firing of natural gas and propane 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 60, Subpart Dc,

including Subpart A "General Provisions."[15A NCAC 2D .0524]

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

b. In addition to any other record keeping required by 40 CFR 60.48c or recordkeeping requirements of the EPA, the Permittee shall record and maintain records of the amounts of natural gas fuel fired on during each month.

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

c. Reporting required by 40 CFR 60.48c or notification requirements to the EPA.

5. 15A NCAC 2D .1111: NESHAP [40 CFR PART 63 SUBPART DDDDD]

a. For boiler (ID No. 24-BLR-1), the Permittee shall comply with all applicable provisions contained in Environmental Management Commission Standard 15A NCAC 2D .1111, "Maximum Achievable Control Technology" (MACT) as promulgated in 40 CFR 63, Subpart DDDDD, including Subpart A "General Provisions."[15A NCAC 2D .1111].

For boiler (ID No. 24-BLR-1), the Permittee is subject to only the initial notification requirements in §63.9(b). The Permittee is not subject to the emission limits, work practice standards, performance testing, monitoring, startup, shutdown and malfunction plan (SSMP), site-specific monitoring plans, and record keeping and reporting requirements of Subpart DDDDD or any other requirements in Subpart A of 40 CFR 63 [§63.7506(b)(1) and §63.7545(b)].

The Peemittee has submitted initial notification on March 11, 2005, thus demonstrating compliance with the initial notification requirements in §63.9(b).

E. Two raw material hoppers (ID Nos. 24-RB-1 and 24-AO-1), one extruder throat hopper (ID No. 24-TH-1), and associated bagfilter (ID No. 24-BH-1)

One raw material unloading operation (ID No. RMUO)

The following table provides a summary of limits and standards for the emission source(s) described above:

Regulated Pollutant	Limits/Standards	Applicable Regulation
Particulate Matter	$E=4.10P^{0.67}$ Where E =allowable emission rate for particulate matter in pounds per hour, and P =process weight in tons per hour	15A NCAC 2D .0515
Opacity	20 percent	15A NCAC 2D .0521
Hazardous Air Pollutants	No emission limit or other applicable requirements	15A NCAC 2D .1111 [MACT Subpart JJJJ]
Odor	See Subsection 2.2 A.2. State-enforceable only	15A NCAC 2D .1806

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

a. Emissions of particulate matter from this source 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 15A NCAC 2D .0501(c)(3) and 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 .0521: CONTROL OF VISIBLE EMISSIONS

a. Visible emissions from these sources (ID Nos. 24-RB-1, 24-AO-1, 24-TH-1, and RMUO) 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. 1. 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 these sources.

F. One quality assurance laboratory (ID No. 24-QALAB-1)

The following table provides a summary of limits and standards for the emission source(s) described above:

Regulated Pollutant	Limits/Standards	Applicable Regulation
Toluene	See Subsection 2.2 E.1	15A NCAC 2D .1100
Benzene	See Subsection 2.2 E.1.	15A NCAC 2D .1100
Odors	See Subsection 2.2 A.2. State-enforceable only	15A NCAC 2D .1806

G. One process equipment solvent (toluene) clean-up process (ID No. PESC)

The following table provides a summary of limits and standards for the emission source(s) described above:

Regulated Pollutant	Limits/Standards	Applicable Regulation
Toluene	See Subsection 2.2 E.1	15A NCAC 2D .1100
Benzene	See Subsection 2.2 E.1.	15A NCAC 2D .1100
Hazardous Air Pollutants	No emission limit or other applicable requirements	15A NCAC 2D .1111 [MACT Subpart JJJJ]
Odors	See Subsection 2.2 A.2. State-enforceable only	15A NCAC 2D .1806

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

A. One oriented polypropylene (OPP) release coating station (maximum capacity of 10, 628 pounds per hour) (ID No. 24-CL1-1) and associated double bed carbon adsorption solvent recovery system (ID No. 24-SR-1); one nitrogen atmosphere, hot-oil heated release coating drying oven (ID No 24-CL1-2) and associated condenser (ID No. 24-ASRS-1); and one adhesive coating station (ID No. 24-CL1-3), One recovered solvent (toluene) above ground storage tank (2999 gallon capacity) (ID No. 24-TST-1), four release coat mixing tanks (ID Nos. 24-MT-1 through 24 MT-4) and associated double bed carbon adsorption solvent recovery system (ID No. 24-SR-1), Two resin storage tanks (30,000 gallons each, ID Nos. 24-MT-1 through 24 MT-4), and one process oil storage tank (10,606 gallons, ID No. 24-POST-1), One natural gas/propane-fired boiler (10.46 million Btu per hour maximum heat input, ID No. 24-BLR-1), Two raw material hoppers (ID Nos. 24-RB-1 and 24-AO-1) and one extruder throat hopper (ID No. 24-TH-1) and associated bagfilter (ID No. 24-BH-1), one quality assurance laboratory (ID No. 24-QA-LAB), and One solvent cleaning process (ID No. PESC)

The following table provides a summary of limits and standards for the emission source(s) describe above:

Regulated Pollutant	Limits/Standards	Applicable Regulation
VOC	Work Practice Standards	15A NCAC 2D .0958 (Facility-wide Requirement)
Odors	State-enforceable only - odorous emissions must be controlled	15A NCAC 2D .1806 (Facility-wide Requirement)

1. 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

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

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 15A NCAC 2D .0958.

Reporting

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

2. 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. One oriented polypropylene (OPP) release coating station (maximum capacity of 10, 628 pounds per hour) (ID No. 24-CL1-1) and associated double bed carbon adsorption solvent recovery system (ID No. 24-SR-1), one adhesive coating station (ID No. 24-CL1-3), four release coat mixing tanks (ID Nos. 24-MT-1 through 24 MT-4) and associated double bed carbon adsorption solvent recovery system (ID No. 24-SR-1) emitting to emission point 24-SR-1 (40 feet in height)

STATE ONLY REQUIREMENT

1. 15A NCAC 2Q .1100 CONTROL OF TOXIC AIR POLLUTANTS

Pursuant to 15A NCAC 2D .1100 "Control of Toxic Air Pollutants" and in accordance with the approved application for an air toxic compliance demonstration, the following permit limits shall not be exceeded.

Through the issuance of air permit 08486T07, DAQ has determined that the existing (approved) air toxic compliance demonstration satisfies the requirement of 15A NCAC 2Q. 0705 "Existing Facilities and SIC Calls".

The following table provides a summary of limits and standards for the emission source(s) describe above:

Regulated Pollutant	Limits/Standards	Applicable Regulation
Toluene	580.0 lbs/hr 3000 lbs/day	15A NCAC 2D .1100
Benzene	565.2 lbs/yr (24-CL1-1 and 24-CL1-3 only)	15A NCAC 2D .1100

C. One nitrogen atmosphere, hot-oil heated release coating drying oven (ID No 24-CL1-2) and

associated condenser (ID No. 24-ASRS-1) emitting to emission point 24-SR-1 (40 feet in height)

STATE ONLY REQUIREMENT

1. 15A NCAC 2Q .1100 CONTROL OF TOXIC AIR POLLUTANTS

Pursuant to 15A NCAC 2D .1100 "Control of Toxic Air Pollutants" and in accordance with the approved application for an air toxic compliance demonstration, the following permit limits shall not be exceeded.

Through the issuance of air permit 08486T07, DAQ has determined that the existing (approved) air toxic compliance demonstration satisfies the requirement of 15A NCAC 2Q. 0705 "Existing Facilities and SIC Calls".

The following table provides a summary of limits and standards for the emission source(s) describe above:

Regulated Pollutant	Limits/Standards	Applicable Regulation
Toluene	10 lbs/hr 120 lbs/day	15A NCAC 2D .1100
Benzene	94.32 lbs/yr (ID No. 24-CL1-2 only)	15A NCAC 2D .1100

D. One recovered solvent (toluene) above ground storage tank (2999 gallon capacity) (ID No. 24-TST-1, 10 feet in height)

STATE ONLY REQUIREMENT

1. 15A NCAC 2Q .1100 CONTROL OF TOXIC AIR POLLUTANTS

Pursuant to 15A NCAC 2D .1100 "Control of Toxic Air Pollutants" and in accordance with the approved application for an air toxic compliance demonstration, the following permit limits shall not be exceeded.

Through the issuance of air permit 08486T07, DAQ has determined that the existing (approved) air toxic compliance demonstration satisfies the requirement of 15A NCAC 2Q. 0705 "Existing Facilities and SIC Calls".

The following table provides a summary of limits and standards for the emission source(s) describe above:

Regulated Pollutant	Limits/Standards	Applicable Regulation
Toluene	10.0 lbs/hr 75 lbs/day	15A NCAC 2D .1100
Benzene	18.72 lbs/yr	15A NCAC 2D .1100

E. One process equipment solvent (toluene) clean-up process (fugitive), and one quality assurance laboratory (ID No. 24-QA-LAB)

STATE ONLY REQUIREMENT

1. 15A NCAC 2Q .1100 CONTROL OF TOXIC AIR POLLUTANTS

Pursuant to 15A NCAC 2D .1100 "Control of Toxic Air Pollutants" and in accordance with the approved application for an air toxic compliance demonstration, the following permit limits shall not be exceeded.

Through the issuance of air permit 08486T07, DAQ has determined that the existing (approved) air toxic compliance

demonstration satisfies the requirement of 15A NCAC 2Q. 0705 "Existing Facilities and SIC Calls".

The following table provides a summary of limits and standards for the emission source(s) describe above:

Regulated Pollutant	Limits/Standards	Applicable Regulation
Toluene	22.0 lbs/hr 40 lbs/day	15A NCAC 2D .1100
Benzene	41.76 lbs/yr	15A NCAC 2D .1100

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