

Subject: **Air Permit No.**
 AIR PERMIT FOR COTTON GINNING

, North Carolina
 County
 Fee Class: General Small
 Site Number:

Dear :

 In accordance with your completed application received , we are forwarding herewith Air Permit No. to , , North Carolina for the construction and operation of air emission sources or air cleaning devices and appurtenances.

 If any parts, requirements, or limitations contained in this 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 G.S. 150B-23 of the North Carolina General Statutes, and filed with the Office of Administrative Hearings, Post Office Drawer 27447, Raleigh, North Carolina 27611-7447. The form for requesting a formal adjudicatory hearing may be obtained upon request from the Office of Administrative Hearings. Unless a request for a hearing is made pursuant to G.S. 150B-23, this Air Permit shall be final and binding.

 You may request modification of your Air Permit through informal means pursuant to G.S. 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 the permit will become final and binding regardless of a request for informal modification unless a request for a hearing is also made under G.S. 150B-23.

Unless exempted by a condition of this permit or the regulations, construction of new air pollution sources or air cleaning devices, or modifications to the sources contained in this permit must be covered under a permit issued by this Division prior to construction. Failure to do so is a

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violation of General Statute 143-215.108 and will subject the Permittee to civil or criminal penalties contained in General Statute 143-215.114A.

This permit shall be effective from until , 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 at .

Sincerely,

Laura S. Butler, P.E.

Enclosures

c: Air Quality Regional Supervisor, Regional Office
Central Files

- b. The facility is not subject to any other 15A NCAC 2D or 2Q regulation not addressed in Specific Condition No. 1.
- c. The facility shall not gin more than 167,000 bales of cotton per ginning season.
- d. Any cyclone installed after the effective date of this permit shall meet the following design criteria.
 - i. 2D-2 [Body and cone the same length, that length being 2 times the diameter of the body];
 - ii. 1D-3D [Body length 1 times the diameter of the body and the cone length is 3 times the diameter of the body];
 - iii. 1D-2D [Body length 1 times the diameter of the body and the cone length is 2 times the diameter of the body];
 - iv. covered condenser drums for axial fan exhausts;
 - v. inline filters/mesh screen for condenser exhausts; and
 - vi. "pot bellied" cyclones for trash stacker and/or mote cleaner/press.
- e. The Permittee shall provide documentation of the number of bales produced to the Director upon request.
- f. The Permittee shall submit, by March 1, of each year, a report containing the following:
 - i. the name and location of the cotton gin;
 - ii. the number of bales of cotton produced during the previous ginning season;
 - iii. a maintenance and repair schedule based on inspection of facility at the conclusion of the previous cotton ginning season. This inspection should identify all scheduled maintenance activities relating to the maintenance and proper operation of the air pollution control devices. Deficiencies identified in this inspection report shall be corrected prior to operation of the gin for the coming season; and
 - iv. the signature of the appropriate official as identified in Rule 15A NCAC 2Q .0304(j), certifying as to the truth and accuracy of the report.
- g. To comply with the provisions of this permit and ensure that optimum control efficiency is maintained, the Permittee shall establish an inspection and maintenance schedule/checklist based on manufacturers recommendations. This inspection and maintenance schedule shall be followed throughout the ginning season. The results of these inspections and any maintenance performed on the air pollution control equipment, shall be recorded in a logbook. The logbook shall be made available upon request.

3 PARTICULATE CONTROL REQUIREMENT - As required by 15A NCAC 2D .0515 "Particulates from Miscellaneous Industrial Processes," particulate matter emissions from the equipment covered under Item 1 of this permit shall not exceed allowable emission rates. The allowable emission rates are, as defined in 15A NCAC 2D .0515, a function of the process weight rate and shall be determined by the following equation(s), where **P** is the process throughput rate in tons per hour (tons/hr) and **E** is the allowable emission rate in pounds per hour (lbs/hr).

$$E = 4.10 * (P)^{0.67} \quad \text{for } P \leq 30 \text{ tons/hr, or}$$

$$E = 55.0 * (P)^{0.11} - 40 \quad \text{for } P > 30 \text{ tons/hr.}$$

4 The Permittee shall take all reasonable precautions with any operation, process, handling, transportation, or storage facilities to prevent fugitive particulate emissions from becoming airborne.

5 As required by 15A NCAC 2D .0521 "Control of Visible Emissions," visible emissions from the equipment covered under Item 1 of this permit, manufactured after July 1, 1971, shall not be more than 20 percent opacity when averaged over a six-minute period, except that six-minute periods averaging not more than 87 percent opacity may occur not more than once in any hour nor more than four times in any 24-hour period. However, sources which must comply with 15A NCAC 2D .0524 "New Source Performance Standards" or .1110 "National Emission Standards for Hazardous Air Pollutants" must comply with applicable visible emissions requirements contained therein.

6 As required by 15A NCAC 2D .0521 "Control of Visible Emissions," visible emissions from the equipment covered under Item 1 of this permit, manufactured as of July 1, 1971, shall not be more than 40 percent opacity when averaged over a six-minute period, except that six-minute periods averaging not more than 90 percent opacity may occur not more than once in any hour nor more than four times in any 24-hour period. However, sources which must comply with 15A NCAC 2D .0524 "New Source Performance Standards" or .1110 "National Emission Standards for Hazardous Air Pollutants" must comply with applicable visible emissions requirements contained therein.

7 NOTIFICATION REQUIREMENT - As required by 15A NCAC 2D .0535 "Excess Emissions Reporting and Malfunctions," when particulate matter and/or visible emissions exceed Environmental Management Regulations for more than four hours, the Regional Supervisor, DAQ, shall be notified as promptly as possible, but in no case later than 24 hours or on the next working day of becoming aware of the occurrence. Such notice shall specify the facility name and location, the nature and cause of the excess emission, the time when first observed, the expected duration, and the estimated rate of emissions. This reporting requirement does not allow the operation of the facility in excess of Environmental Management Commission Regulations.

8 RECORDKEEPING REQUIREMENT - The Permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in this permit for a minimum of three years from the date of recording.

9 Pursuant to 15A NCAC 2Q .0310(d) a Permittee shall be subject to enforcement action for operating without a permit if the facility is determined not to qualify under the terms and conditions of the general permit.

B. GENERAL CONDITIONS AND LIMITATIONS

1. REPORTS, TEST DATA, MONITORING DATA, NOTIFICATIONS, AND REQUESTS FOR RENEWAL shall be submitted to the:

Regional Supervisor
North Carolina Division of Air Quality

2. PERMIT RENEWAL REQUIREMENT - The Permittee, at least 90 days prior to the expiration date of this permit, shall request permit renewal by letter in accordance with 15A NCAC 2Q .0304 (d) and (f). Pursuant to 15A NCAC 2Q .0203 (i), no permit application fee is required for renewal of an existing Air Permit. The renewal request should be submitted to the Regional Supervisor, DAQ.
3. ANNUAL FEE PAYMENT - Pursuant to 15A NCAC 2Q .0203 (a), the Permittee shall pay the annual permit fee within 30 days of being billed by the DAQ. Failure to pay the fee in a timely manner will cause the DAQ to initiate action to revoke the permit.
4. EQUIPMENT RELOCATION - A new Air Permit shall be obtained by the Permittee prior to establishing, building, erecting, using, or operating the emission sources or air cleaning equipment at a site or location not specified in this permit.
5. REPORTING REQUIREMENT - Any of the following that would result in previously unpermitted, new, or increased emissions must be reported to the Regional Supervisor, DAQ:
 - a. changes in the information submitted in the application regarding facility emissions;
 - b. changes that modify equipment or processes of existing permitted facilities; or
 - c. changes in the quantity or quality of materials processed.

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

6. This permit is subject to revocation or modification by the DAQ upon a determination that information contained in the application or presented in the support thereof is incorrect, conditions under which this permit was granted have changed, or violations of conditions contained in this permit have occurred. 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 cleaning device(s) and appurtenances.
7. This permit is nontransferable by the Permittee. Future owners and operators must obtain a new Air Permit from the DAQ.

8. This issuance of this permit in no way absolves the Permittee of liability for any potential civil penalties which may be assessed for violations of State law which have occurred prior to the effective date of this permit.
9. This permit does not relieve the Permittee of the responsibility of complying with all applicable requirements of any Federal, State, or Local water quality or land quality control authority.
10. Reports on the operation and maintenance of the facility shall be submitted by the Permittee to the Regional Supervisor, DAQ at such intervals and in such form and detail as may be required by the DAQ. Information required in such reports may include, but is not limited to, process weight rates, firing rates, hours of operation, and preventive maintenance schedules.
11. A violation of any term or condition of this permit shall subject the Permittee to enforcement pursuant to G.S. 143-215.114A, 143-215.114B, and 143-215.114C, including assessment of civil and/or criminal penalties.
12. Pursuant to North Carolina General Statute 143-215.3 (a) (2), no person shall refuse entry or access to any authorized representative of the DAQ who requests entry or access for purposes of inspection, and who presents appropriate credentials, nor shall any person obstruct, hamper, or interfere with any such 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.
13. The Permittee must comply with any applicable Federal, State, or Local requirements governing the handling, disposal, or incineration of hazardous, solid, or medical wastes, including the Resource Conservation and Recovery Act (RCRA) administered by the Division of Waste Management.
14. PERMIT RETENTION REQUIREMENT - The Permittee shall retain a current copy of the Air Permit at the site. The Permittee must make available to personnel of the DAQ, upon request, the current copy of the Air Permit for the site.
15. COMPLIANCE WITH LOCAL ZONING - The Permittee shall abide by local zoning requirements in effect at the time of the commencement of construction of the facility.
16. CLEAN AIR ACT SECTION 112(r) REQUIREMENTS - Pursuant to 40 CFR Part 68 "Accidental Release Prevention Requirements: Risk Management Programs Under the Clean Air Act, Section 112(r)," if the Permittee is required to develop and register a risk management plan pursuant to Section 112(r) of the Federal Clean Air Act, then the Permittee is required to register this plan in accordance with 40 CFR Part 68.

17. PREVENTION OF ACCIDENTAL RELEASES - GENERAL DUTY” - Pursuant to Title I Part A Section 112(r)(1) of the Clean Air Act “Hazardous Air Pollutants - Prevention of Accidental Releases - Purpose and General Duty,” 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. **This condition is Federally-enforceable only.**

Permit issued this the day of , .

NORTH CAROLINA ENVIRONMENTAL MANAGEMENT COMMISSION

Laura S. Butler, P.E.
Division of Air Quality
By Authority of the Environmental Management Commission

Air Permit No.