

**OFFICE OF ENVIRONMENTAL QUALITY CONTROL  
BUREAU OF AIR QUALITY  
CONSTRUCTION PERMIT**

ABC COMPANY  
123 COMPLIANCE LANE  
COLUMBIA, SC 29201

Permission is hereby granted to install gas-fired drying oven #4.

**NOTWITHSTANDING ANY OF THE CONDITIONS LISTED BELOW, NO APPLICABLE LAW, REGULATION, OR STANDARD MAY BE VIOLATED.**

**CONDITIONS**

1. All official correspondence, plans, permit application forms, and written statements are an integral part of this permit.
2. **THE DIRECTOR OF THE ENGINEERING SERVICES DIVISION MUST BE NOTIFIED IN WRITING UPON THE BEGINNING OF CONSTRUCTION AND STARTUP OF EACH PERMITTED FACILITY.**
3. This construction permit shall expire one year from date issued. This permit may be extended one year upon approval by the Bureau following the written request from the permittee. This request must be made prior to the permit expiration.
4. An expired construction permit may be reactivated within one year of the expiration only upon approval by the Bureau following the written request of the permittee. This request shall address all laws, regulations, and standards applicable at the time of request for reactivation.

This is pursuant to the provisions of Section 48-1-110, 1976 *Codes of South Carolina*, as amended, and the *South Carolina Air Quality Control Regulation 61-62.1*, Section II.

**PERMIT NUMBER:** 1910-0006-CC  
**PLANT LOCATION:** 123 Compliance Lane - Columbia  
**DATE OF ISSUE:** October 15, 2002  
**FACILITY SIC CODE:**

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**I. STANDARD CONDITIONS**

A. This permit expressly incorporates all the provisions of *South Carolina Department of Health and Environmental Control Regulation 61-62.1*, Section II, Paragraph C.

**II. SPECIAL CONDITIONS**

**A. EMISSION LIMITATIONS**

Air pollutant emissions shall not exceed the following:

ID	Pollutant/Standard	Limit	Reference Method	Regulation	State Only
CC	VOC	2.9 lbs/gallon of coating used excluding water and exempt solvent	24	SC Reg 62.5, Std 5, Sec II, Part C	No
CC	Opacity	20%	9	SC Reg 62.5, Std 4, Sec IX	No

N/A = Not Applicable

The above emission limitations are based on operation at rated capacity. Operation at other than rated capacity must meet emission limits specified in the applicable regulations based on that operating rate. All test methods must be the most recent revisions that are published in the *Code of Federal Regulations* (40CFR60 Appendix A) as in effect on the date of this permit issuance.

**B. CONTINUOUS MONITORING REQUIREMENTS**

ID	Pollutant
N/A	N/A

N/A = Not Applicable

**C. SOURCE TEST SCHEDULE**

ID	Pollutant	Frequency	Method
N/A	N/A	N/A	N/A

N/A = Not Applicable

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**D. ADDITIONAL CONDITIONS**

Condition Number	Conditions
1.	The permittee shall pay fees in accordance with SC Regulation 61-30, SC Environmental Protection Fees.
2.	In accordance with SC Regulation 61-62.1 Section II(C)(3), for all sources not required to have continuous emissions monitors, in the event of any malfunction of air pollution control equipment or system, process upset or other equipment failure which results in discharges of air contaminants lasting for one hour or more and which are greater than those discharges described for normal operation in the permit application shall be reported to the local Environmental Quality Control (EQC) District office within twenty-four (24) hours after the beginning of the occurrence. The permittee shall also submit a written report within thirty (30) days of the occurrence. This report shall be submitted to the Manager of the Technical Management Section, Bureau of Air Quality (BAQ). The report shall contain as a minimum, the following: the identity of the emission unit and associated equipment where excess emissions occurred, the magnitude of excess emissions, the time and duration of excess emissions, the steps taken to remedy the malfunction and to prevent a recurrence, documentation that control equipment and processes were at all times maintained and operated, to the maximum extent practicable, in a manner that was consistent with good practice for minimizing emissions. Such a report shall in no way serve to excuse, otherwise justify, or in any manner affect any potential liability or enforcement action resulting from the occurrence.
3.	<p>Air dispersion modeling (or other method) has demonstrated that this facility's operation will not interfere with the attainment and maintenance of any state or federal standard. Any changes in the parameters used in the air dispersion modeling may require a review by the facility to determine continuing compliance with these standards. These potential changes include any decrease in stack height, decrease in stack velocity, increase in stack diameter, decrease in stack exit temperature, increase in building height or building additions, increase in emission rates, decrease in distance between stack and property line, changes in vertical stack orientation, and installation of a rain cap that impedes vertical flow. Parameters that are not required in the determination will not invalidate the demonstration if they are modified. The emission rates used in the determination are listed in Attachment A of this permit. Higher emission rates may be administratively incorporated into Attachment A of this permit provided a demonstration using these higher emission rates shows the attainment and maintenance of any state or federal standard or with any other applicable requirement. Variations from the input parameters in the demonstration shall not constitute a violation unless the maximum allowable ambient concentrations identified in the standard are exceeded.</p> <p>The owner/operator shall maintain this facility in compliance with the pollutant limitations in Section II(A) - Emissions Limitations, and/or as listed in Attachment A of this construction permit, whichever is more restrictive. This is a State Only enforceable requirement. Should the facility wish to increase the emission rates listed in Attachment A, it may do so by the administrative process specified in this permit condition.</p>
4.	These conditions shall not supersede any State or Federal requirements such as National Emission Standards for Hazardous Air Pollutants, unless these conditions would impose a more restrictive limit.
5.	This construction permit was reviewed and issued based on the permit application submitted by the owner/operator. The owner/operator shall obtain any Bureau authorization required under South Carolina Regulation 61-62.1, Section II(A)(1) prior to making modifications not covered under this construction permit.
6.	The owner/operator of this facility must submit a written request to obtain an operating permit to the Director of Engineering Services Division no later than fifteen (15) days prior to placing this source into operation. After submittal of this request the facility may operate this source in accordance with the terms and conditions contained in this permit, until such time as the Bureau of Air Quality incorporates this source into the facility's operating permit.
7.	Drying oven #4 is permitted to burn only natural gas as fuel. The use of any other substances as fuel is prohibited without prior approval from the Bureau of Air Quality.
8.	In accordance with South Carolina Regulation 61-62.5, Standard 4 - EMISSIONS FROM PROCESS INDUSTRIES, Section IX - VISIBLE EMISSIONS, Drying oven #4 shall not exhibit an opacity which

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	exceeds 20%.
9.	In accordance with South Carolina Regulation 61-62.5, Standard 5, Section II, Part C - Surface Coating of Fabric, The entire coating operation shall not exceed 2.9 lbs/gallon of coating excluding water and exempt solvent.
10.	The owner/operator shall maintain monthly consumption records of all materials containing volatile organic compounds (VOCs) and hazardous air pollutants (HAPs). These records shall include the total amount of each material used, the VOC content in percent by weight of each material, and the hazardous air pollutant (HAP) content in percent by weight. VOC and HAP emissions shall be calculated on a monthly basis and a twelve month rolling sum shall be calculated for total VOC and HAP emissions. The twelve month rolling sum shall not exceed 82.5 tpy of VOCs facility-wide. The owner/operator shall maintain all records, including material purchase orders, invoices, and material data sheets, etc. for a period of at least five (5) years and shall make these records available to Department personnel upon request. Quarterly reports including all recorded parameters and calculated values shall be submitted to the Manager of the Technical Management Section, Bureau of Air Quality postmarked no later than 30 calendar days after the end of the reporting period.
11.	The drying ovens are limited to operating a maximum of 3200 hours per year (total for four ovens) on a twelve month rolling sum. ABC Company must record the actual monthly operating hours and maintain these records on-site for a period of at least five (5) years. These records shall be made available to a Department representative upon request. Quarterly reports including all recorded parameters and calculated values shall be submitted to the Manager of the Technical Management Section, Bureau of Air Quality postmarked no later than 30 calendar days after the end of the reporting period.
12.	The permittee shall keep the records of total amount of natural gas consumed by drying oven #4. A monthly log of natural gas consumption shall be maintained for each hour of operation. The owner/operator shall maintain all records, including material purchase orders, and invoices, etc. for a period of at least five (5) years and shall make these records available to Department personnel upon request. Annual reports including all recorded parameters shall be submitted to the Manager of the Technical Management Section, Bureau of Air Quality postmarked no later than 30 calendar days after the end of the reporting period.
13.	The facility shall conduct qualitative daily visual observations during daylight hours for monitoring opacity limits during periods of source operation. A log shall be maintained noting the color, duration, density (heavy or light), cause and corrective action taken for any abnormal emissions. Annual reports including all recorded parameters shall be submitted to the Manager of the Technical Management Section, Bureau of Air Quality postmarked no later than 30 calendar days after the end of the reporting period.

**ATTACHMENT A**

**Modeled Emission Rates  
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<b>TOXIC AIR POLLUTANTS MODELED - STANDARD NO. 8</b>			
<b>POLLUTANT</b>	<b>CAS NUMBER</b>	<b>MODELED EMISSION RATE (lbs/hr)</b>	<b>STACK(S)</b>
Methanol	67561	62.5	E

example