



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

June 26, 2007

Mr. Harry Bussey III  
President  
International Cushioning Company, LLC  
240 Boundary Lane  
Marlboro, NJ 07746

Subject: Air Permit No. 09489R03  
International Cushioning Company, LLC  
Hickory, Catawba County, North Carolina  
Fee Class: Title V  
Site Number: 03/18/00533

Dear Mr. Bussey:

In accordance with your completed application received May 22, 2007, we are forwarding herewith Permit No. 09489R03 to International Cushioning Company, LLC, Hickory, Catawba County, North Carolina for the construction and operation of air emissions sources or air cleaning devices and appurtenances. Additionally, any emissions activities determined from your air permit application as meeting the exemption requirements contained in 15A NCAC 2Q .0102 or 15A NCAC 2Q .0503 have been listed for information purposes as an "ATTACHMENT" to the enclosed air permit. Please note the records retention requirements are contained in General Condition 2 of the General Conditions and Limitations.

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. Such a request will stay the effectiveness of the entire permit. 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, 6714 Mail Service Center, Raleigh, NC 27699-6714. The form for requesting a formal

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Permitting Section  
1641 Mail Service Center, Raleigh, North Carolina 27699-1641  
2728 Capital Blvd., Raleigh, North Carolina 27604  
Phone: 919-715-6235 / FAX 919-733-5317 / Internet: <http://daq.state.nc.us/>

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North Carolina  
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Harry Bussey III

June 26, 2007

Page 2

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 30 days after issuance.

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 or air cleaning devices described in this permit must be covered under a permit issued by the Division of Air Quality prior to construction. Failure to do so is a violation of G.S. 143-215.108 and may subject the Permittee to civil or criminal penalties as described in G.S. 143-215.114A and 143-215.114B.**

This permit shall be effective from June 26, 2007 until November 30, 2009, is nontransferable to future owners and operators, and shall be subject to the conditions and limitations as specified therein.

**The Permittee is responsible for carefully reading the entire permit and evaluating the requirements of each permit stipulation. The Permittee shall comply with all terms, conditions, requirements, limitations and restrictions set forth in this permit. 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.**

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

Sincerely yours,

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

Enclosure

c: Mooresville Regional Office  
Central Files

**NORTH CAROLINA ENVIRONMENTAL MANAGEMENT COMMISSION**

**DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES**

**DIVISION OF AIR QUALITY**

**AIR PERMIT NO. 09489R03**

Issue Date: June 26, 2007

Effective Date: June 26, 2007

Expiration Date: November 30, 2009

Replaces Permit: 09489R02

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To construct and operate air emission source(s) and/or air cleaning device(s), and for the discharge of the associated air contaminants into the atmosphere in accordance with the provisions of Article 21B of Chapter 143, General Statutes of North Carolina (NCGS) as amended, and other applicable Laws, Rules and Regulations,

International Cushioning Company, LLC  
6005 North Carolina Highway 10 West  
Hickory, Catawba County, North Carolina  
Fee Class: Title V  
Site Number: 03/18/00533

(the Permittee) is hereby authorized to construct and operate the air emissions sources and/or air cleaning devices and appurtenances described below:

<b>Emission Source ID</b>	<b>Emission Source Description</b>	<b>Control System ID</b>	<b>Control System Description</b>
ES-1	EPS resin line (600 pounds per hour maximum process rate) consisting of an extruder, cutting process, tumbler, and vacuum cooling	N/A	N/A
ES-2	EPS resin line (600 pounds per hour maximum process rate) consisting of an extruder, cutting process, tumbler, and vacuum cooling	N/A	N/A
ES-3	EPS resin line (600 pounds per hour maximum process rate) consisting of an extruder, cutting process, tumbler, and vacuum cooling	N/A	N/A

<b>Emission Source ID</b>	<b>Emission Source Description</b>	<b>Control System ID</b>	<b>Control System Description</b>
ES-4	EPS resin line (1200 pounds per hour maximum process rate) consisting of an extruder, cutting process, tumbler, and vacuum cooling	N/A	N/A
ES-5	polystyrene reprocessor #1 (1800 pounds per hour maximum process rate)	N/A	N/A
ES-20	polystyrene reprocessor #2 (2000 pounds per hour maximum process rate)	N/A	N/A
ES-6	EPS storage	N/A	N/A
ES-7	EPS resin expander #1 with hopper (1200 pounds per hour maximum process rate)	N/A	N/A
ES-8	EPS resin expander #2 with hopper (1200 pounds per hour maximum process rate)	N/A	N/A
ES-9	EPS resin expander #3 with hopper (1200 pounds per hour maximum process rate)	N/A	N/A

in accordance with the completed application 1800533.07A received May 22, 2007 including any plans, specifications, previous applications, and other supporting data, all of which are filed with the Department of Environment and Natural Resources, Division of Air Quality (DAQ) and are incorporated as part of this permit.

This permit is subject to the following specified conditions and limitations including any **TESTING, REPORTING, OR MONITORING REQUIREMENTS:**

#### **A. SPECIFIC CONDITIONS AND LIMITATIONS**

- Any air emission sources or control devices authorized to construct and operate above must be operated and maintained in accordance with the provisions contained herein. The Permittee shall comply with applicable Environmental Management Commission Regulations, including Title 15A North Carolina Administrative Code (NCAC), Subchapter 2D .0202, 2D .0521, 2D .0535, 2D .0605, 2D .0611, 2D .2100, 2Q .0315, 2Q .0317 (Avoidance) and 2Q .0711.
- 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.

3. VISIBLE EMISSIONS CONTROL REQUIREMENT - As required by 15A NCAC 2D .0521 "Control of Visible Emissions," visible emissions from the emission sources, 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.
4. NOTIFICATION REQUIREMENT - As required by 15A NCAC 2D .0535, the Permittee of a source of excess emissions that last for more than four hours and that results from a malfunction, a breakdown of process or control equipment or any other abnormal conditions, shall:
  - a. Notify the Director or his designee 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 describe:
    - i. the name and location of the facility,
    - ii. the nature and cause of the malfunction or breakdown,
    - iii. the time when the malfunction or breakdown is first observed,
    - iv. the expected duration, and
    - v. an estimated rate of emissions.
  - b. Notify the Director or his designee immediately when the corrective measures have been accomplished.

This reporting requirement does not allow the operation of the facility in excess of Environmental Management Commission Regulations.

5. NOTIFICATION REQUIREMENT - Within 15 days after start-up of the EPS resin line (ID No. ES-1), the Permittee shall NOTIFY, in WRITING, the Regional Supervisor, DAQ, of the start-up.
6. NOTIFICATION REQUIREMENT - Within 15 days after start-up of the polystyrene reprocessor line #2 (ID No. ES-20), the Permittee shall NOTIFY, in WRITING, the Regional Supervisor, DAQ, of the start-up.
7. 40 CFR Part 68 "ACCIDENTAL RELEASE PREVENTION REQUIREMENTS: RISK MANAGEMENT PROGRAMS UNDER THE CLEAN AIR ACT, SECTION 112(r)" - The Permittee shall comply with all applicable requirements in accordance with 40 CFR Part 68 including submitting a Risk Management Plan to EPA pursuant to 40 CFR 68.150 prior to June 21, 1999 or as specified in 40 CFR 68.10.

8. 15A NCAC 2D. 0530: PREVENTION OF SIGNIFICANT DETERIORATION

- a. In order to avoid applicability of this regulation, the above emission sources shall discharge into the atmosphere less than 249.9 tons of VOCs per consecutive 12-month period. [15A NCAC 2D .0530]

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

- b. Calculations of VOC emissions per month shall be made at the end of each month. VOC emissions shall be determined by multiplying the total amount of each type of VOC-containing material by the appropriate emission factors and as noted below. The Permittee shall be deemed in noncompliance with 15A NCAC 2D .0530 if the amounts of VOC containing materials or the VOC emissions are not monitored and recorded.

Source	Pollutant	Emission Factor
ES-1, ES-2, ES-3, ES-4	VOC	0.0035 lb VOC/lb-resin (up to 45 days storage)
ES-5, ES-20	VOC	0.050 lb-VOC/lb-expandable polystyrene processed
ES-5, ES-20	VOC	0.0300 lb-VOC/lb-expanded blown polystyrene processed
ES-6	VOC	0.00003333 lb-VOC/lb-day (storage 45-90 days)
ES-6	VOC	0.00002545 lb-VOC/lb-day (storage greater than 90 days)
ES-7, ES-8, ES-9	VOC	0.0350 pounds VOC per pound resin

- c. Calculations and the total amount of VOC emissions shall be recorded monthly in a logbook (written or electronic format). The Permittee shall be deemed in noncompliance with 15A NCAC 2D .0530 if the VOC emissions exceed 249.9 tons in any 12 month period.
- d. The Permittee shall submit a semi-annual summary report, acceptable to the Regional Air Quality Supervisor, of monitoring and recordkeeping activities postmarked on or before January 30 of each calendar year for the preceding six-month period between July and December, and July 30 of each calendar year for the preceding six-month period between January and June. The report shall contain the following:
  - i. The monthly VOC emissions for the previous 17 months. The emissions must be calculated for each of the 12-month periods over the previous 17 months;

9. TOXIC AIR POLLUTANT EMISSIONS LIMITATION REQUIREMENT - Pursuant to 15A NCAC 2Q .0711 "Emission Rates Requiring a Permit," for each of the below listed toxic air pollutants (TAPs), the Permittee has made a demonstration that facility-wide actual emissions do not exceed the Toxic Permit Emission Rates (TPERs) listed in 15A NCAC 2Q .0711. The facility shall be operated and maintained in such a manner that emissions of any listed TAPs from the facility, including fugitive emissions, will not exceed TPERs listed in 15A NCAC 2Q .0711.
- a. A permit to emit any of the below listed TAPs shall be required for this facility if actual emissions from all sources will become greater than the corresponding TPERs.
  - b. PRIOR to exceeding any of these listed TPERs, the Permittee shall be responsible for obtaining a permit to emit TAPs and for demonstrating compliance with the requirements of 15A NCAC 2D .1100 "Control of Toxic Air Pollutants".
  - c. In accordance with the approved application, the Permittee shall maintain records of operational information demonstrating that the TAP emissions do not exceed the TPERs as listed below:

<b>Pollutant</b>	<b>Carcinogens (lb/yr)</b>	<b>Chronic Toxicants (lb/day)</b>	<b>Acute Systemic Toxicants (lb/hr)</b>	<b>Acute Irritants (lb/hr)</b>
Styrene			2.7	

- d. The emission factor used to determine styrene emissions shall be 0.0005 pounds-styrene per pound-resin.

**B. GENERAL CONDITIONS AND LIMITATIONS**

1. REPORTS, TEST DATA, MONITORING DATA, NOTIFICATIONS, AND REQUESTS FOR RENEWAL shall be submitted to the:  
  
 Permits Section  
 North Carolina Division of Air Quality  
 1641 Mail Service Center  
 Raleigh, NC 27699-1641
2. RECORDS RETENTION REQUIREMENT - Any records required by the conditions of this permit shall be kept on site and made available to DAQ personnel for inspection upon request. These records shall be maintained in a form suitable and readily available for expeditious inspection and review. These records must be kept on site for a minimum of 2 years, unless another time period is otherwise specified.

3. 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.
4. 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.
5. 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.
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. 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.

8. This permit is nontransferable by the Permittee. Future owners and operators must obtain a new air permit from the DAQ.
9. 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.
10. 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.

11. 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.
12. 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.
13. 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.
14. 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.
15. 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.
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 26th day of June, 2007.

NORTH CAROLINA ENVIRONMENTAL MANAGEMENT COMMISSION

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

By Authority of the Environmental Management Commission

Air Permit No. 09489R03

**Insignificant / Exempt Activities**

<b>Source</b>	<b>Date of Application</b>	<b>Exemption Regulation</b>	<b>Basis for Exemption</b>
IES-6 - No.2 fuel oil-fired boiler (8.4 mmBTU per hour maximum heat input)	11/22/2004	15A NCAC 2Q .0503(8)	Potential emissions do not exceed 5 tons per year of criteria pollutants or 1,000 pounds per year of any HAPs.
IES-7 - No. 2 fuel oil storage tank (500 gallons capacity)	11/22/2004	15A NCAC 2Q .0503(8)	Potential emissions do not exceed 5 tons per year of criteria pollutants or 1,000 pounds per year of any HAPs.
IES-8 - propane storage tank (150 gallons capacity)	11/22/2004	15A NCAC 2Q .0503(8)	Potential emissions do not exceed 5 tons per year of criteria pollutants or 1,000 pounds per year of any HAPs.
IES-9 - two (2) propane tanks (1000 gallons capacity, each)	11/22/2004	15A NCAC 2Q .0503(8)	No Potential emissions do not exceed 5 tons per year of criteria pollutants or 1,000 pounds per year of any HAPs.
IES-11 - five (5) space heaters (0.92 mmBtu/hr maximum heat input total)	11/22/2004	15A NCAC 2Q .0503(8)	Potential emissions do not exceed 5 tons per year of criteria pollutants or 1,000 pounds per year of any HAPs.
IES-16 - 17-hp diesel fire pump	11/22/2004	15A NCAC 2Q .0503(8)	Potential emissions do not exceed 5 tons per year of criteria pollutants or 1,000 pounds per year of any HAPs.
IES-17 - No. 2 fuel oil storage tank (250 gallons capacity)	11/22/2004	15A NCAC 2Q .0503(8)	Potential emissions do not exceed 5 tons per year of criteria pollutants or 1,000 pounds per year of any HAPs.
IES-18 - pentane tank (9,200 gallons capacity)	11/22/2004	15A NCAC 2Q .0503(8)	Potential emissions do not exceed 5 tons per year of criteria pollutants or 1,000 pounds per year of any HAPs.
IES-19 - four (4) polystyrene pellet silos (17,100 cubic feet total storage capacity)	11/22/2004	15A NCAC 2Q .0503(8)	No Potential emissions do not exceed 5 tons per year of criteria pollutants or 1,000 pounds per year of any HAPs.
IES-21 - pentane tank (500 gallons capacity)	5/22/2007	15A NCAC 2Q .0503(8)	Potential emissions do not exceed 5 tons per year of criteria pollutants or 1,000 pounds per year of any HAPs.

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