

WAKE COUNTY RECYCLABLE CORRUGATED CARDBOARD  
SURCHARGE ORDINANCE

WHEREAS, the County of Wake has heretofore adopted ordinances governing the storage, collections, transportation, and disposal of solid waste within Wake County, and

WHEREAS, the County of Wake owns and operates solid waste management facilities as a public enterprise to protect the public and environmental health in Wake County, and

WHEREAS, the County has heretofore implemented use or disposal fees to defray the cost of operating said facilities, and

WHEREAS, it has become necessary, as permitting of sanitary landfills becomes increasingly difficult and the disposal of solid waste becomes increasingly more expensive, to take steps to reduce the flow and volume of certain solid waste to county facilities, and

WHEREAS, the state of North Carolina has mandated that a 25 percent reduction in solid waste be achieved by June 30, 1993, and

WHEREAS, recent studies have shown that corrugated cardboard constitutes an estimated 14 - 16 percent of the solid waste going into the public landfills in Wake County and that most if not all of the corrugated cardboard comes from Commercial, Industrial and Institutional establishments located within Wake County, and

WHEREAS, the Wake County Solid Waste Advisory Committee recommends that recyclable corrugated cardboard no longer be accepted at County facilities for disposal without a surcharge if it exceeds 10 percent of a load, and

WHEREAS, the Board of Commissioners finds that it would be in the best interest of all citizens and would promote the public health, the environmental health and the general welfare of all citizens if recyclable corrugated cardboard is not accepted for disposal at County facilities, and

WHEREAS, the Board further finds that there are paper and cardboard stock dealers in this area that are willing to purchase recyclable corrugated cardboard when it is delivered to their place of business and that corrugated cardboard is easily recyclable if the generators of used cardboard will implement a recycling plan, and

WHEREAS, this Board wishes to make it the policy of the County that recyclable corrugated cardboard be separated at the source from other garbage or solid waste for recycling rather than buried in County facilities;

Now therefore be it ordained by the Board of Commissioners of the County of Wake as follows:

1. That recyclable corrugated cardboard, that is, corrugated cardboard as the term is commonly understood which businesses and dealers in the area are willing to purchase when it is delivered to them, is a solid waste for which a surcharge will be imposed for the disposition at the Wake County Solid Waste Management Facilities effective July 1, 1993.
2. That public or private haulers disposing of solid waste at County facilities from front-end loading, roll off and rear-end loading vehicles that service commercial, industrial, and institutional establishments which contain 10 percent or more of recyclable corrugated cardboard by weight or volume shall receive the following:
  - a. For the first disposal a written notice.
  - b. For the second disposal a total charge equal to two times the then current disposal fee.
  - c. For the third and any subsequent disposal a total charge equal to three times the then current disposal fee.
3. That the County Manager be authorized to promulgate administrative procedures to carry out this program.
4. That if local waste paper and corrugated cardboard stock dealers refuse to accept recyclable corrugated cardboard, or, if commercial, industrial, and institutional establishments must pay local waste paper and corrugated cardboard stock dealers to recycle recyclable corrugated cardboard, then a review of the program will be conducted by the Board of Commissioners and the continued viability of the ordinance will be determined

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Vernon Malone  
Chairman  
Wake Co. Board of Commissioners

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Richard Y. Stevens  
Clerk  
Wake Co. Board of Commissioners

Approved as to form:

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Michael Ferrell, County Attorney

Corrugated Specifications For The Wake County  
Recyclable Corrugated Cardboard Surcharge Program

To maximize the value of corrugated boxes, be sure it is free of all debris and unwanted materials. Contamination is a serious concern of the paper recycling industry since unwanted materials adversely affect production efficiency and product quality.

"Corrugated" is sometimes associated with "cardboard" which is a misrepresentation and lead to serious contamination problems. The definition of "Corrugated" is attached for your review with contaminants listed and general uses provided.

Corrugated  
Common Contaminants

Plastics: Includes trays used to package food items, styrofoam packing materials, wrap and film; plastic cups, etc.

Metal objects: Includes wire hangers, case strapping, cans, nails, etc.

Plastic and wax-coated cartons: Included items commonly used to pack fresh produce; distinguishable by a very dark brown color and a slick surface.

Junk (termed "Tramp Materials"): Includes floor sweepings, wood, food waste, cans, trash, etc.

Clagboard: Includes cereal boxes, show boxes, other food packaging; distinguished by a gray speckled color and hardboard constitution.

Other paper: Includes newsprint, shredded paper, wrapping paper and tissue paper often used in packaging.

Wood Pallets: Often used to stabilize materials for shipping and found in the interior or attached to the exterior of the corrugated with steel ties.

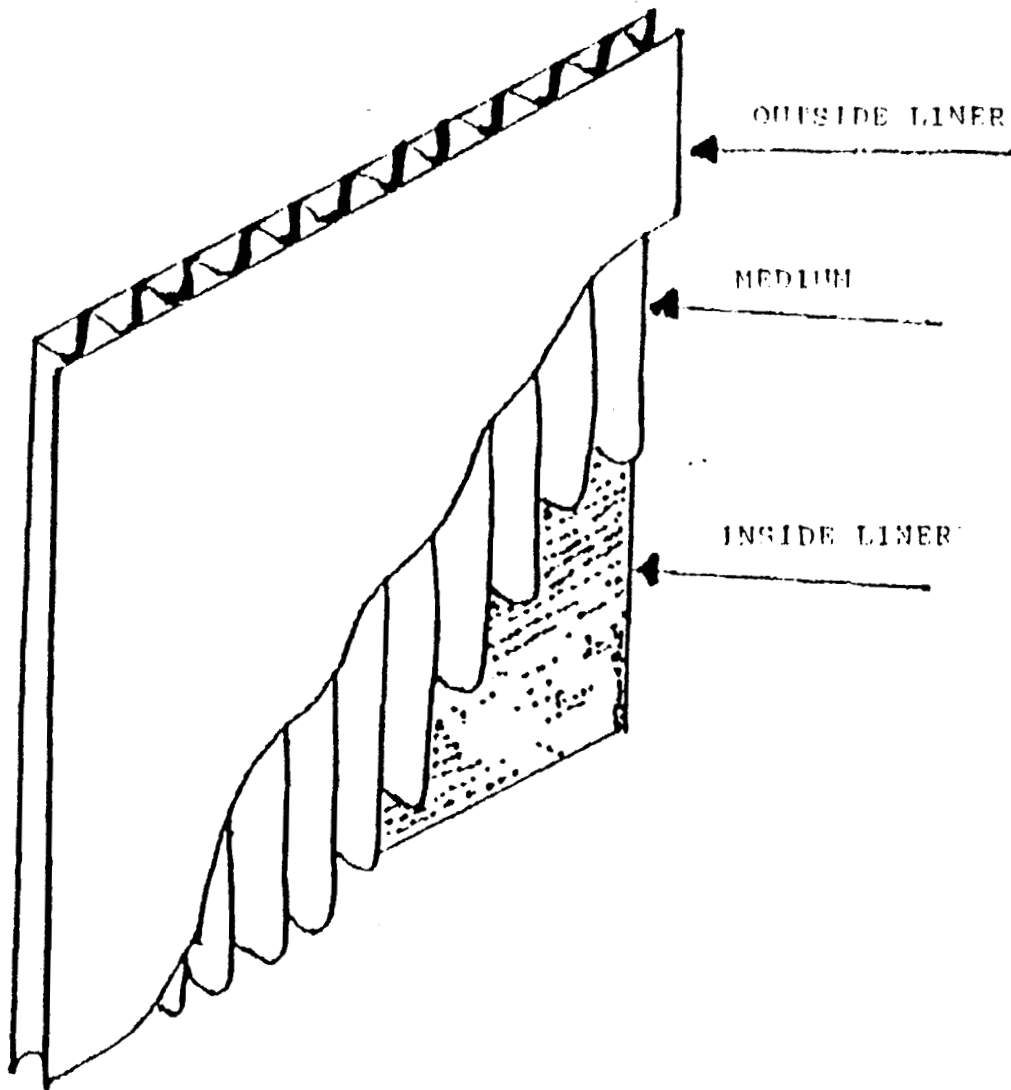
Foreign Corrugated: A lighter, flimsier, quality of corrugated usually from the Orient most commonly provides the container packaging for stereo and other electronic products. Distinguishable by its yellowish color, and double layer of corrugated material, and Oriental markings.

## Definition of "Corrugated"

Corrugated containers are composed of container-board, which is defined as linerboard and corrugating medium. Linerboard is used as the top and bottom facing (liner) placed over corrugating medium (the fluted inner sheet) to form the rigid structure of the combined board (see Figure 1). Linerboard provides the strength component of a container, while corrugating medium usually provides the rigidity or stiffness.

Corrugated containers are broadly used in a wide range of products. They are used to store and ship semi-finished materials and parts or components between manufacturers and warehouses and to distribute finished goods to final users or to retail outlets.

Figure 1.



AN ORDINANCE TO AMEND THE RALEIGH CITY CODE RESTRICTING THE DISPOSAL OF RECYCLABLE CORRUGATED CARDBOARD IN THE CITY OF RALEIGH LANDFILL.

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF RALEIGH, NORTH CAROLINA that:

Section 1. Section 7-3007 of the Raleigh City Code, which includes the landfill regulations to be and the same is hereby amended to add a new subsection which shall read as follows:

"(1) Recyclable corrugated cardboard.

"Recyclable corrugated cardboard" as used in this subsection is corrugated cardboard which businesses and dealers in the area are willing to purchase upon delivery to them.

Each vehicle disposing of solid waste from commercial, industrial, and institutional establishments which contains ten percent or more of "recyclable corrugated cardboard" by weight or volume shall, in addition to the disposal fee set forth in this section, be assessed a surcharge based on the following schedule:

- (1) For the first disposal a written notice will be issued.
- (2) For the second disposal, a total charge will be made equal to two times the disposal fee set forth in §7-3007 et seq. (the surcharge being equal to the disposal fee).
- (3) For the third and any subsequent disposals, a total charge equal to three times the disposal fee set forth in §7-3007 et seq. (the surcharge being equal to twice the disposal fee)."

Section 2. That the City Manager be authorized to develop administrative procedures to carry out this program.

Section 3. That all ordinances and clauses in conflict herewith are hereby repealed to the extent of said conflict.

Section 4. If this ordinance or application thereof to any person or circumstance is held invalid, such invalidity shall not affect other provisions or application of the ordinance which can be given separate effect and to this end the provisions of this ordinance are declared to be severable.

Section 5. This ordinance shall become effective January 1, 1993; however, the surcharge set forth in subsections (2) and (3) shall not commence until July 1, 1993.

ADOPTED: 10/6/92

EFFECTIVE: See Section 5

DISTRIBUTION: City Council  
City Manager  
City Attorney  
Public Works  
Finance  
Information Services

IJB:vt/0557