

### **3 Solid Waste Management in Rockingham County**

Table 3-1 summarizes the solid waste management services provided by each Rockingham jurisdiction in addition to the municipal solid waste landfill operated by the County. The following sections discuss the programs of each jurisdiction in more detail.

#### **3.1 City of Eden**

##### **3.1.1 Solid Waste Collection and Disposal**

The City of Eden weekly provides automated residential solid waste collection to approximately 8,123 households. Also, the City contracts with a private hauler to provide solid waste collection and disposal service to approximately 308 commercial customers. Residential waste is handled through Eden's Transfer Station and City staff transports collected waste to the County landfill for disposal. Eden's Commercial Services provide businesses bulk solid waste disposal; however, businesses requiring roll-off container service must contract directly for such services. By utilizing automated collection plus other mechanized equipment, a broad base of services is provided with minimal staffing and cost.

The City of Eden has an ordinance prohibiting littering and illegal dumping and has two Solid Waste Enforcement Officers to enforce the ordinance which was recently updated to address solid waste issues including illegal dumping. The Environmental Court System continues to be a focal point for enhancing Eden's enforcement of local and state regulations governing solid waste and waste disposal. The City's education and ordinance enforcement programs continue to move forward in addressing littering, illegal dumping, and promoting proper preparation of waste for collection and disposal.

##### **3.1.2 Management of Bulky Items and White Goods**

Bulky waste items and white goods are collected by the City once per week and brought to a processing site to separate recyclable metals and to remove refrigerants, compressors and electric motors from appliances. Waste destined for landfilling is loaded into city-owned 65 cubic-yard roll-off containers and transported to the Rockingham County landfill by City staff. White goods and light grade metals are loaded into 65 cubic-yard roll-off containers for transportation by a contractor to the selected metal processor for recycling. Heavy metals destined for recycling are prepared and shipped separately to the metal processor utilizing the same contractor.

##### **3.1.3 Wood and Yard Waste Management**

Bulky wood waste from tree trimming and removal operations (excluding large stumps and general land clearing waste) is collected once a week by City staff utilizing two trucks with knuckle crane loaders. Wood waste material is transported to a central storage site where it is periodically processed into mulch and boiler fuel.

**Table 3-1: Solid Waste Management Programs by Jurisdiction**

	Equi	Mayodan	Madison	Rockville	Shawville	Waynesville	Rockingham Co.
<b># Households</b>	6,208	1,192	940	5,600	465	1,062	31,591
<b>Curbside Recycling</b>	None	None	Once/2 wks. Kiser Garb. & Recycle Serv.	None	None	None	Experimental pilot project - one route of Franchise collection
<b>Drop-Off Recycling</b>	One municipally staffed full service center plus six unmanned drop-port centers	One center - unmanned drop-off for Mayodan Residents only	None	One center - unmanned drop-off site plus Aluminum cans collected at fire station	One center - unmanned drop box at Townhall for Stoneville Residents	None	One staffed center - serviced by Waste Management. Six additional recycle sites serviced one day per week with trailers.
<b>Source Reduction Programs</b>	Recycling for City & Schools.	None	None	Education; backyard compost & grass-cycling	None	None	Education; assist industry in recycling vs. landfilling
<b>Special Waste Programs</b>	Paint exchange, used oil, lead acid batteries, permanent HHW + electronics, demolition waste	None	None	Used oil; Drop-off for waste building material	None	None	Used oil; Antifreeze; lead acid batteries; 20 lbs. propane tanks; electronic site at Synergy + day events
<b>Commercial Waste Recycling</b>	Yes - WM 16 OCC units + Drop-off at Mebane Bridge center	None	None	Yes - WM 15 OCC accounts + 5 ABC recycling accts.	None	None	Agricultural pesticide containers+ recycling area open to small commercial establish.
<b>Bulky Item Collection</b>	Yes	Yes	Yes	Yes-Municipal Staff	Yes	None	Oversees Waste Mgt Franchise collection
<b>Leaf and Limb Collection</b>	Yes	Yes	Yes	Yes- Muni. Staff	Yes	None	Limb/clean wood waste collection only
<b>Residential Waste Collection</b>	Municipal Staff- Weekly Collection	Municipal Staff	Contract-Kiser G&R Services	Yes Muni. Staff	Contract- WM	No service provided	Oversees Waste Mgt Franchise collection
<b>Commercial Waste Collection</b>	At requested Level/ every two weeks by private contractor - collect & transport to Landfill	Twice weekly light commercial (96 gal/cart) Muni. Staff	Bi-weekly light commercial by Kiser G&R Srv (96gal/roll-out) others by private hauler	Commercial businesses downtown by Muni. Staff; others by private hauler	1x week, WM	No service provided	Commercial businesses must contract with private hauler
<b>Industrial Waste Collection</b>	No service provided	No service provided	No service provided	No service provided	No service provided	No service provided	No service provided

Source: FY 10-11 Solid Waste Annual Reports

Eden's Solid Waste Staff uses automated leaf collection trucks to collect leaves and grass clippings from citizen yard maintenance activities. This collection is done weekly for approximately 9 months per year on regularly scheduled garbage collection days. Loose leaf collection utilizing leaf vacuum units is provided approximately 3 months annually by the Street Department. Fine yard waste is composted at Eden's Mebane Bridge Road compost facility and approximately 20% of the loose leaf collections are delivered to local farmers and gardeners for soil enhancement.

#### **3.1.4 Recycling**

The City of Eden operates a staffed full service recycling center five days per week: Tuesday, Thursday, & Friday (9 AM to 6 PM); Saturday (8 AM to 5 PM); and Sunday (1 PM to 5 PM). This facility accepts #1 & #2 plastic bottles; clear, brown, and green glass; old newspapers (ONP); steel & aluminum cans; mixed paper; used motor oil; automotive batteries; and old corrugated cardboard (OCC). Recycling materials are collected as needed from the six unmanned Drop-port centers by City staff and are consolidated with recycling material collections from the Mebane Bridge Road Center prior to staff transporting to market. Currently Eden does not have a market for glass recycling, however efforts are underway to find a new vendor for glass recycling. Many City residents and businesses utilize Eden's full service and drop-port centers. Commercial cardboard recycling service is available by request utilizing 8 cubic yard containers serviced by a private contractor. Many of Eden's commercial establishments/institutions utilize the Mebane Bridge Road center to recycle OCC.

#### **3.1.5 Household Hazardous Waste Management**

The City of Eden operates a permanent Household Hazardous Waste Facility at the Mebane Bridge Road center for collection of water and oil based paints plus other paint related materials. Eden also offers City residents the opportunity to participate in paint exchanges. City staff blends collected paint materials in DOT approved drums and contracts with Noble Oil Services to transport and recycle the blended materials for fuel.

#### **3.1.6 Educational Activities**

Eden has educational programs that address residential source reduction, recycling, buying products made from recycled materials, backyard composting, municipal solid waste (MSW) composting, and landfill operations. Educational activities include radio & newspaper advertising, web-page postings, and informational handouts describing services provided by the City of Eden. The City's Solid Waste Division encourages residents to recycle and reduce the amount of waste needing to be landfilled. Targeted audiences for educational activities include local schools; businesses; residential recycling participants; institutions; and environmental, neighborhood, church, and civic groups. Special presentations are provided by the Solid Waste Division concerning recycling, waste reduction, source reduction, and other related waste issues.

Since adoption of the 1997 Solid Waste Management Plan, Eden has and continues to inform citizens of the high cost associated with the management of waste and the necessity to reduce waste in order to preserve natural resources. Eden in addition to adding six drop-port recycling centers in 2002, also implemented a volume based PayT System to promote recycling/waste reduction by relating household disposal cost to the amount of waste generated by each household. The PayT System was discontinued in 2010 due to excessive costs and replaced with a fixed monthly fee per household(\$18.75).

## **3.2 Town of Madison**

### **3.2.1 Solid Waste Collection and Disposal**

The Town of Madison provides for collection of residential and small business waste through a contract with Kiser Garbage and Recycling Services. Kiser Garbage and Recycling Services provide containers for once-a-week curbside collection of solid waste. Small businesses, or those generating less than 30 gallons of waste per week, receive twice-a-week municipal collection of solid waste. The residential and small business wastes are collected and transported to the Rockingham County landfill for disposal. Industries and larger businesses (more than 30 gallons of waste per week) requiring bulk waste collection (front-end loader or roll-off container service) must contract individually with a private hauler for their solid waste collection and disposal.

### **3.2.2 Management of Bulky Items and White Goods**

Bulky items (mostly old furniture) are collected at the curbside and hauled to the County landfill for disposal. Old appliances are collected by request using a pick-up or small dump truck and are hauled to the County landfill for refrigerant removal, storage, and transport for recycling.

### **3.2.3 Yard Waste Management**

The Town of Madison provides collection of brush and loose leaves. Collected brush is transported to the Rockingham County landfill for grinding into mulch. From October through February, leaves raked to the curb by residents are picked up by Town crews utilizing a leaf vacuum truck. The leaves are delivered directly to the Town's compost pile or delivered to farmers or citizen living within Town limits. There is no separate collection of bagged yard waste.

### **3.2.4 Recycling**

Each Madison resident provides their own collection bin for household recyclables. Currently, the recycling bins are collected for recycling once every other week by Kiser Garbage and Recycling Services. Approximately 47% of the households in Madison participate in this curbside recycling program.

### **3.2.5 Educational Activities**

The Town of Madison promotes recycling via flyers distributed by the Town's administrative offices and Kiser Garbage and Recycling Services to new residential waste collection customers. The instructional flyer includes a phone number for addressing recycling questions. Future plans are to send out recycling information on an annual or semi-annual basis. There are no promotional activities for any other programs.

## **3.3 Town of Mayodan**

### **3.3.1 Solid Waste Collection and Disposal**

The Town of Mayodan provides residential solid waste collection on a once-a-week basis by utilizing a fully automated collection vehicle. The Town discontinued bulk commercial waste collection in 1999 and currently services only businesses having waste that can be placed in 96-gallon roll-out carts. The residential and commercial waste collected by the Town is transported to the Rockingham County landfill for disposal. These services were provided at no charge to residential and light commercial recipients until July 2002 when a solid waste collection fee was implemented for in town service recipients. Additional charges are levied for collecting waste placed outside of the designated town waste containers. Industries and larger businesses requiring bulky solid waste collection/disposal or roll-off container services must contract with a private hauler for these solid waste services.

### **3.3.2 Management of Bulky Items and White Goods**

The Town of Mayodan provides an on-call collection service for white goods and bulky items and charges \$10.00 per pick up of these materials. White goods are taken to the Rockingham County landfill for refrigerant removal, storage, and transport for recycling. Collected bulky trash items are transported and disposed in the County landfill.

### **3.3.3 Yard Waste Management**

Mayodan collects tree limbs, brush, and grass clippings placed at the curb by town residents throughout the year on an "as needed basis". Currently, all tree limbs and brush are hauled to the Rockingham County Landfill for processing to recycle as mulch or boiler fuel. Small quantities of yard waste are collected at no charge while large loads are charged \$30.00 per load. Mayodan also provides leaf vacuuming service each fall with collected leaves, grass clippings, and other non-chipped yard waste being recycled by a local tree farm and/or herb farm. The Town has discontinued chipping brush into mulch.

### **3.3.4 Recycling**

Since adoption of the 1997 Solid Waste Management Plan, Mayodan implemented a curbside recycling service and closed the Town's drop-off center. However, due to increasing cost and lack of citizen participation the every other week curbside collection of residential recyclable materials was discontinued in September 2002. The curbside

collection of recyclables was replaced with a centrally located recycling drop-off center for Mayodan citizens located at 500 Utility Street. At the center, a cardboard recycling container for recycling corrugated cardboard was added.

### 3.3.5 Educational Activities

The Town of Mayodan's educational activities are periodic newspaper articles and responding to telephone requests for recycling information. Also, a brochure was distributed to each residence describing solid waste collection and recycling procedures when the collection frequency was changed to weekly collection in September 1995. The handout for residents has been updated to detail current solid waste/recycling programs and is available to all residents plus a copy is provided to each new Mayodan household.

## 3.4 City of Reidsville

### 3.4.1 Solid Waste Collection and Disposal

The City of Reidsville uses fully automated collection vehicles to provide weekly residential curbside solid waste collection. All City collected putrescible waste is deposited in the City's transfer station to prepare for transportation to the Rockingham County landfill. In FY 2010-11, 4,796 tons of residential solid wastes were collected for an average of 400 tons per month.

Reidsville continues to contract with Waste Industries, Inc. for collection of commercial solid waste via front-end loaders (i.e., "dumpster" service). Customers choose the type of service they desire and are billed directly by Waste Industries in accordance with terms specified in the City's contract. The total commercial dumpster tonnage in FY 2010-11 was 3,910 tons or an average of 326 tons per month. In addition to this service provided by Waste Industries, Reidsville provides commercial solid waste collection for downtown businesses which collected 846 total tons in FY 2010-11 or 71 average tons per month.

The City of Reidsville entered the Rockingham County Interlocal Solid Waste Agreement in February 2010 and began utilizing the Rockingham County Landfill facility March 1, 2010, for the City's solid waste disposal.

Reidsville has an ordinance prohibiting littering and illegal dumping and the City continues to work with both the County and the State in cleaning up roadside dump sites.

Since 1999, Reidsville has continued to accept waste building materials from noncommercial sources (homeowner/remodelers). This C&D waste is collected in a specialized container at the City's recycling drop-off center and is taken to the Rockingham County landfill for disposal. This service is offered as an alternative to having such materials illegally dumped as the City does not collect C&D materials at the curb.

### **3.4.2 Management of Bulky Items and White Goods**

The City of Reidsville provides weekly collection of bulky items and white goods. White goods are taken to the Rockingham County landfill for refrigerant removal, storage, and transport for recycling while bulky items are disposed in the County landfill.

### **3.4.3 Yard Waste Management**

Brush and yard wastes are collected weekly by the City at the curbside. Bagged yard waste is debagged by the Solid Waste Management Division in preparation for composting these materials. The City's Street Division provides separate seasonal loose leaf collection during November and December each year. In FY 2010-11, 1,464 tons of yard wastes were composted and 1,764 tons of brush/wood wastes were ground into mulch for a combined monthly average of 269 tons of wood/yard waste diverted from disposal. This yard waste is managed at a site located on City's wastewater treatment plant property. Finished compost and mulch are available for usage by City residents.

### **3.4.4 Recycling**

The City of Reidsville operates an unmanned recycling drop-off center at 709 Marcellus Street for City residents to use. The center hours of operation are weekdays 7:00 AM until 3:00 PM and 9:00 AM until 1:00 PM on weekends.

Materials accepted for recycling include: ONP, brown, green, & clear glass containers, steel and aluminum cans, mixed paper, plastic bottles, and used motor oil. Reidsville owns and services the center's recycling containers and transports containers of collected materials to a processing facility owned by Waste Management of the Piedmont, the City's contractor. Waste Management accepts the City's recyclables at 75% of current market value less a processing fee.

### **3.4.5 Household Hazardous Waste Management**

Reidsville last held a one-day Household Hazardous Waste drop-off event on November 14, 2009. The City contracted this event through Clean Harbors and diverted 5 tons of hazardous materials for proper disposal. Reidsville continues to financially explore the possibility of sponsoring future HHW collection events.

### **3.4.6 Educational Activities**

The City of Reidsville has promotional and education programs that address recycling, buying products made from recycled materials, and composting. Promotion and education activities include: radio, television, and newspaper advertising; door hangers; special events; brochures; public school presentations; school competitions; and field

trips to the drop-off center. Targeted audiences include school children; city residents; news media; and environmental, neighborhood, and civic groups.

## **3.5 Town of Stoneville**

### **3.5.1 Solid Waste Collection and Disposal**

The Town of Stoneville provides collection of residential and small business waste through a contract with Waste Management. Currently 465 residences and 22 businesses receive this service. Waste service consists of once per week curbside collection from the provided 96 gallon green roll-out container and transportation of the collected waste to the Rockingham County Landfill for disposal. Businesses and other generators requiring bulk container service must contract with private haulers for this solid waste collection service.

### **3.5.2 Management of Bulky Items and White Goods**

The Town of Stoneville provides pick up of bulky items and white goods on a periodic and as needed basis throughout the year. White goods are taken to the County landfill for refrigerant removal, storage, and transport for recycling. Bulky items are disposed of in the County landfill.

### **3.5.3 Yard Waste Management**

As needed, the Town provides brush collection to its residents and chips collected brush for use as mulch or transports excess brush to the County Landfill. Fall leaf collection is provided via a contract with Wilson-Joyce Landscaping Service who is responsible for final disposition of collected leaves. Additionally, Stoneville provides collection of bagged leaves.

### **3.5.4 Recycling**

As of September 5, 2007, the Town of Stoneville discontinued curbside recycling service and Waste Management added drop-off recycling bins for public use at their Stoneville branch location. Due to contamination of recycling bins with garbage, Waste Management discontinued the public recycling drop site. In the Spring of 2011, Stoneville added a recycling drop box at Stoneville Town Hall for Stoneville Residents to recycle. Stoneville plans to implement residential curbside recycling beginning July 2012.



## **3.6 Rockingham County**

### **3.6.1 Solid Waste Collection**

Businesses and industries in unincorporated areas of the County must contract with a private waste hauler of their choice for solid waste collection. Most of this waste is transported to the Rockingham County landfill for disposal while some is taken to other area landfills. First Piedmont, Republic Waste Services, Waste Industries, and Waste Management are the primary haulers involved in collecting waste from commercial and industrial accounts in Rockingham County.

### **3.6.2 Rockingham County Landfill and Adjunct Operations**

The Rockingham County Subtitle D Landfill is location off Highway 704 at 281 Shuff Road which is in the center of the county, four miles west of Wentworth and seven miles east of Madison. Located at the landfill site are:

- a staffed convenience area for receipt of household waste and recyclables including automotive batteries, used motor oil, antifreeze & electronics (televisions/computers);
- an example of a backyard composter on display;
- a processing area for clean wood waste and brush;
- an area for 20 pound propane grill tanks, white goods & scrap metal processing; and
- an area for receiving scrap automobile tires.

The current tipping fees for regular municipal solid waste loads are \$36 per ton whereas tipping fees for mixed construction, demolition debris and shingle loads are \$38 per ton. The North Carolina Solid Waste Disposal tax is collected separately and is not included in the above tipping fees. Clean wood waste, brush, and inert debris suitable for recycling can be disposed of for \$21 per ton. White goods plus other recyclables are accepted at no charge. The white goods/scrap metals collected for recycling are placed in large roll-off containers that are provided, serviced, and recycled by D.H. Griffin. Other recyclables are hauled and processed via a contract with Waste Management of Carolinas. The collected wood waste and brush are ground into mulch/boiler fuel and marketed by the County. Scrap tires are collected and shipped to Central Carolina Tire for recycling or monofilling.

Rockingham County's landfill has been designed so that the fill areas will be constructed in 5-year permit phases. Currently, approximately 37.5 acres of the space permitted for waste have been constructed. Phases I and II are mostly filled and are being surcharged and under going slope modifications. The 5-year phase III currently in use was placed in operation in 2007. Based upon the projected fill rates, this equates to a life expectancy of more than 20 years for the permitted landfill footprint. Only municipal solid waste and construction & demolition debris are accepted for disposal at in facility. The landfill is

operated in accordance with state and federal regulations, including storm water, landfill gas, and leachate management in addition to environmental monitoring.

Construction and demolition (C&D) debris plus land clearing and inert debris (LCID) are primarily disposed of in private landfills permitted for this use both in Rockingham and adjacent counties. The County discourages disposal of this type materials in the County landfill and encourages separation of recyclable/reusable materials in loads that are brought to the County landfill through provision of differential tipping fees. Clean wood scrap diverted from incoming C&D loads is processed into mulch or boiler fuel and clean inert demolition debris is used on site as ballast material and erosion control.

### **3.6.3 Management of Litter and Illegal Disposal**

Historically, Rockingham County has problems with litter and illegal dumping of waste. Some increase has been noted in recent years presumably due in part to increased landfill disposal fees and the North Carolina Disposal Tax. The County and the State as well as some of the municipalities have strong ordinances prohibiting littering and illegal disposal. The County Sheriff's, Environmental & Engineering Services, Code Enforcement, and Health departments have been active in identifying illegal disposal sites and enforcing the solid waste ordinances. Since adopting the 1997 Solid Waste Management Plan, Rockingham County has taken action to further address illegal dumping and littering. The County currently employs two Code Enforcement officers and has updated its solid waste ordinance to provide for greater enforcement authority. More information on this topic is provided in Section 5.1.

### **3.6.4 Educational Activities**

Rockingham County's educational activities consist of a backyard composter on display at the Landfill; information regarding preparation of materials for recycling and disposal provided by Landfill staff; brochures; flyers; newspaper advertisements; County website; mailings; special events; presentations; meetings informing residents of County solid waste management activities; and distribution of printed materials on a request basis. In addition, Code Enforcement/Solid Waste Enforcement, the Solid Waste Program Manager, and the County Public Information Officer use the media to educate the public on the solid waste ordinance provisions and acceptable solid waste management practices. The County annually supports and promotes Spring Clean and Big Sweep to involve citizens of all ages in litter control, proper waste management practices, and to increase citizen awareness of litter control issues. The Landfill also works with the North Carolina DOT and Keep America Beautiful to reduce littering in the County by periodically participating in Tarp Day to promote covering of waste loads prior to hauling.

### 3.7 Private Sector Waste Management

The majority of solid waste generated in Rockingham County is believed to come from commercial, industrial, and institutional (CII) sources. Commercial and institutional generators include retail and office establishments, medical facilities, and schools. Rockingham County's industrial sector is heavily concentrated with textile and agricultural related operations. A majority of the CII sector contract with private haulers for their bulky solid waste disposal and for roll-off container services. Several of these establishments have taken the initiative to implement in-house waste reduction/recycling programs.

In 1993, Hazen & Sawyer and Rockingham County evaluated solid waste management practices including existing recycling/waste reduction in the CII sector. The evaluation involved:

- Interviewing landfill personnel, County officials, and appropriate community representatives to estimate the general types and portion of the county's CII waste with recycling potential; and
- Conducting a survey of 25 major CII establishments in the county.

As a result of this study, the following observations were made regarding the solid waste management, recycling, and waste reduction programs for each CII establishment surveyed:

- Fifty-three percent (53%) of the surveyed CII establishments utilized compactor roll-off containers.
- Eighty-seven percent (87%) contracted with Waste Management for solid waste disposal services.
- Ninety-six percent (96%) of the CII establishments surveyed have recycling programs with at least one material being recovered from their waste streams.
- Seventy-eight percent (78%) designate specific employees or housekeeping staff to operate their recycling programs.
- Forty-eight percent (48%) operate in-house waste reduction or reuse programs.

Through discussions with each of the CII survey participants, a list was generated which included the type of materials being recycled, the market or end use of each material, and the approximate recovery rate of each material recycled. This information indicated that:

- Seventy-five percent (75%) recycled OCC.
- Fifty-five percent (55%) recycled used oil.
- Forty-six percent (46%) recycled office paper.
- Forty-one percent (41%) recycled scrap metal.
- Forty-one percent (41%) recycled aluminum.

- Eighty-four percent (84%) internally recycled or reused product packaging materials
- Fifty-three percent (53%) internally recycled or reused production or process waste.
- Other items recycled by one or more generators included plastic bale wrap, wooden pallets, scrap lumber, polystyrene packaging material, and textile/thread waste.

Discussions with county and municipal representatives revealed that old corrugated containers (OCC), scrap lumber, plastic textile cores, and other selected textile materials with potential for recycling were still being landfilled. It is assumed that many of these study results hold true today; however the County is recovering additional scrap metal and wood waste including used pallets for recycling or for grinding into mulch/boiler fuel. In addition, more businesses have instituted or expanded their waste reduction and recycling programs to control raw material and processing waste to reduce operating cost.

In the fall of 2000, a survey questionnaire of 126 Rockingham County commercial and industrial establishments by the County Recycling Coordinator revealed the following:

- Ninety percent (90%) of the establishments surveyed recycled to some degree.
- Seventy-four percent (74%) had a formal recycling program.
- Sixty-seven percent (67%) used Waste Management as their service provider.
- Sixty-five percent (65%) collected waste in dumpsters.
- Fifty-six percent (56%) recycled scrap aluminum.
- Forty-seven percent (47%) recycled OCC.
- Thirty-two percent (32%) recycled other scrap metals in addition to aluminum.

The 2000 survey results indicated that most of the establishments contract with a private hauler to haul and dispose of their solid waste and a majority of County businesses and industries do practice recycling to some degree. The survey indicated most Rockingham County industries have formal recycling programs and emphasize recycling certain waste materials such as aluminum/metals, mixed paper, and corrugated cardboard containers.

In 2004, Rockingham County contracted the services of Dorn and Associates/R.W. Beck to perform a Solid Waste Composition Analysis of the Rockingham County Landfill Solid Waste Stream. This study completed in August 2004 identified the top landfilled materials in the Commercial/Institutional and Industrial Waste Stream as follows:

<b>Commercial/ Institution</b>		<b>Industrial</b>	
Corrugated Cardboard	22.7%	Non-Recyclable Paper	18.1%
Food Waste	11.4%	Corrugated Cardboard	13.9%
Film Plastic	9.0%	Other Organics	12.2%
Non-Recyclable Paper	7.1%	Wood-Unpainted	10.3%
Other Rigid Plastic	5.5%	Other Inorganics	8.5%

The Dorn & Associates/R. W. Beck study indicates the Rockingham County Landfill CII waste stream contains materials having potential for additional recycling opportunities.