



2007 Update to the Camden County Solid Waste Management Plan

9/27/07 3/5/08

**Submitted by Camden County
July 2007**

The siting of a permanent Household Hazardous Waste/Class D Collection Facility would benefit the County in a number of ways, including:

- more convenient drop offs for County residents
- greater participation rates, resulting in an increase in the amount of HHW and electronics being diverted from the waste stream
- one-on-one educational opportunities with residents as to what is, and what is not acceptable in these programs as well as other waste related/environmental issues
- elimination of disposal costs associated with non-hazardous materials
- reduced carbon emissions through the elimination of idling vehicles.

The feasibility of this facility is presently being investigated by Division of Environmental Affairs personnel drawing on the experience of New Jersey counties with existing permanent facilities.

Section 4. RECYCLING STRATEGY

A. Present Strategy

1. RESIDENTIAL SECTOR RECYCLING

As stated previously, Camden County was the first New Jersey County to mandate county-wide recycling. Since 1985, each of the County's thirty-seven municipalities have continued to provide curbside recycling service for their residents either by the public works department, a contracted hauler, or in one instance, a municipal utilities authority. These curbside programs have evolved over time and today include pickups for the materials listed in **Section 4.A.3**. Enforcement within the residential sector, excepting multi-family units, is a function of the municipality.

With respect to markets, it has been the County's philosophy to allow the private sector to provide the facilities necessary to process and market mandated recyclables. Given its location within a major metropolitan area (Camden-Philadelphia), over the last 20 years several private sector Class A and B recycling companies have chosen to locate their facilities in and around Camden County, thus providing convenient markets for residentially (and commercially) generated recyclables. Since 1993, Camden County has contracted with FCR, Camden Inc. to market newspaper, mixed paper, cardboard and commingled containers collected by, or on behalf of, municipalities signing inter-local services agreements with the County. A listing of approved Class A, B, C and D recycling facilities can be found in **Section 5**.

Key Issues

Despite the convenience of curbside recycling and nearby markets for collected recyclables, problems remain. Among these problems are a lack of local enforcement of recycling ordinances and restrictive requirements that discourage homeowner participation. The latter is particularly true with respect to the curbside collection of cardboard. Also, despite being mandated as mandatory recyclables, several municipalities currently provide no collection for grass and brush.

2. COMMERCIAL/INSTITUTIONAL SECTOR RECYCLING

Camden County first identified mandated recyclables for the commercial and institutional sectors in 1993 via Camden County Solid Waste Plan Amendment 72-8-93. A listing of currently mandated items within the commercial/institutional sector is found in the following section. As stated in Section 4.A.1 above, there are convenient markets available for all of the identified items.

While some smaller municipalities with more manageable commercial districts provide recycling services for local businesses, County-wide, private haulers provide the vast majority of businesses and institutions with recycling services.

Key Issues

With the commingling of recyclables from many businesses in several municipalities, there has been a dearth of haulers reporting recycling totals to businesses or institutions, and in turn, to the municipalities, the County and the State. This problem has been corrected in at least one instance. Waste Management of New Jersey now submits an annual report to Camden County identifying the tonnage of recyclables collected from commercial establishments in Camden County. In 2006, this number was 18,573 tons. Unfortunately, they remain the only local hauler to provide these figures.

Enforcement of recycling regulations in the commercial and institutional sectors is largely a function of County enforcement personnel. Given that there are an estimated 14,350 businesses in Camden County, this is an overwhelming task. Moreover, recycling within multi-family complexes requires continued vigilance given that new management often times results in a loss of focus on recycling if not the outright discontinuation of existing programs, requiring renewed enforcement activity.

3. CURRENTLY MANDATED RECYCLABLE MATERIALS

The following items are mandated for recycling in the residential, commercial and institutional sectors in Camden County.

Residential Sector

- **Mixed Paper** (includes newspaper, magazines, junk mail, school and home office papers, etc.)
- **Cardboard**
- **Glass Bottles and Jars**
- **Plastic Bottles and Jars (1& 2 only)**
- **Metal Containers**
- **White Goods and Other Scrap Metals**
- **Yard Waste** – (includes grass clippings, leaves, brush and tree parts)

Commercial/Institutional Sector

- **Mixed Office Paper** - (includes office paper, newspaper, magazines, junk mail, etc.)
- **Cardboard**
- **Glass Bottles and Jars**
- **Plastic Bottles and Jars (1& 2 only)**
- **Metal Containers**
- **White Goods and Other Scrap Metals**
- **Yard Waste** – including grass clippings, leaves, brush and tree parts
- **Construction and Demolition Waste** – (includes asphalt, concrete, brick and block and untreated wood)

4. EDUCATION

Environmental Educator

Camden County has had a K-12 Recycling Education Program and a full-time staff person dedicated to this program for most of the last 25 years. Over the last five years alone, this program has reached over 30,000 County residents promoting recycling, source reduction, and proper household hazardous waste disposal to a diverse audience, including schools, civic groups, senior centers, church groups, employee groups, condominium associations and scout groups.

In 2006, over 100 education programs were offered. These programs will continue, while planning has begun on the development of a *Camden County Recycling Festival* to be held later in 2007. Envisioned as an annual event, the recycling festival will be used as a forum to educate the general public about the recycling programs available to them and the businesses providing recycling services throughout the County. In addition, it will provide an opportunity to reenergize County residents' efforts to recycle. It is projected that this event will reach 500 residents and students in its first year.

Recycler Newsletter

In 2005, Camden County reestablished the *Recycler*, a 12-14 page environmental newsletter published annually. It is distributed to each of the County's more than 215,500 residences. While this publication highlights various environmental issues, its core purpose is to educate residents as to the requirements of the County's recycling plan and offer useful recycling and source reduction related information to readers (i.e., municipal recycling contacts, local recycling businesses, etc.) and promote the proper disposal of household hazardous waste, electronics waste, etc. It remains the County's most popular and successful public relations/education tool ever produced.

Commercial Recycling Enforcement Program

The County's commercial/institutional recycling enforcement program contains an educational element that is more fully described in **Section 5** below.

5. ENFORCEMENT

Background

Camden County first established a Commercial Recycling Enforcement Program in July of 1995 with the hiring of two Enforcement Officers.

These enforcement officers are employed by the Division of Environmental Affairs, the implementing agency for the Solid Waste Management Plan. In accordance with the terms of an interagency agreement between the Division and the County Department of Health, Notices of Violation (NOVs) are issued to non-compliant businesses and institutions through the Department of Health under the provisions of the County Environmental Health Act (CEHA).

During the early stages of the program, the primary focus was on bringing multi-family residential complexes into compliance with State and County recycling regulations. This effort has resulted in not less than 75% of medium to large apartment complexes having active recycling programs today.

Over the intervening years, the focus of the County's enforcement efforts has continually shifted among the business, institutional and multi-family residential sectors to meet areas of immediate concern. Since 2005 particular attention has been focused on schools with inspections completed at better than 85% of the County's 36 municipal school districts that have school facilities. These inspections revealed that among school districts within Camden County, approximately 95 % have some form of recycling program with some districts having established model programs.

The remaining districts had either poor or non-existent programs. The County continues to work with those districts having poor programs or none at all to improve programs or establish new ones. Where necessary, Notices of Violation have been issued in an effort to bring districts into compliance.

Since the inception of the recycling enforcement program, businesses have continued to be inspected. Initially, larger businesses, or those believed to generate larger amounts of recyclables were targeted, with medium sized and smaller businesses following. It is estimated that since 1995, more than 875 businesses have received inspections with no less than 700 new recycling programs being established. Combined with enforcement activities at apartment complexes and institutions, more than 1200 total inspections have been performed with more than 1000 new recycling programs established.

Current Enforcement Procedure

Camden County currently employs a "three strikes" procedure with respect to enforcement. While Notices of Violation and subsequent fines may be used to compel a business/institution to come into compliance, the primary goal of the program is compliance through education.

The first visit to a business/institution is considered a "courtesy call". During this courtesy call, the business/institution is educated as to their responsibilities with respect to recycling. They are provided with a copy of the *Camden County Business Recycling Guide*, guidance on achieving compliance tailored to the particular set of circumstances found during the visit, and any other information pertinent to their situation. All courtesy calls are performed without prior notification.

The second visit is an official inspection conducted not less than two weeks after the initial courtesy call. During the course of the inspection, a walk through of the business's/institution's facility(ies) is performed both inside and outside. Various compliance items are noted on the compliance inspection form. Copies of the forms used for both businesses and multi-family apartment complexes are included as **Exhibits 1 and 2** respectively. If applicable, recommendations of strategies that will help bring the business/institution into compliance are made at this time.

If necessary, a third inspection is done. If the business/institution is still found to be in non-compliance, and can not prove the cause to be due to extenuating circumstances, a Notice of Violation is issued by the County Department of Health in accordance with the aforementioned interagency agreement. Subsequently, an administrative hearing is held at which time the business/institution can negotiate a settlement of the fine, while agreeing to comply with the applicable recycling regulation(s). A sample Notice of Violation (**Exhibit 3**) and Penalty Assessment Schedule (**Exhibit 4**) is included.

In those instances where the business/institution does not pay the negotiated fine as directed, or where there is a refusal to participate in the administrative hearing process, the case would be referred to the courts for prosecution.

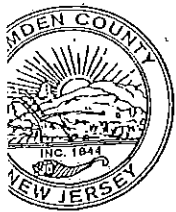
A. Future Strategy

According to State figures, in 2003, Camden County disposed of 362,301 tons of municipal solid waste while recycling 160,819 tons or 30.7 %. Accordingly, the County must identify the methods to be used in order to recycle an additional 100,741 tons of waste in order to meet the State goal of recycling 50% of the municipal waste stream.

Throughout this Plan Update, a need to place a greater emphasis on compliance with reporting requirements is mentioned. Based on our experience with commercial/institutional sector recycling, there would appear to be a significant percentage of commercial/institutional sector recycling that continues to go unreported. Capturing these figures will be a significant aspect of the County's future recycling strategy. Only then will we have a true picture of the County's rate of recycling.

Camden County will work through the Recycling In Camden County (RICC) group, an organization of the County's municipal recycling coordinators formed back in 1991, to implement the future residential sector recycling strategies identified in this section.

Table 4 contains a breakdown of the County's municipal solid waste stream including the amounts currently disposed of and recycled. This breakdown is based on the State's 2003 figures for Camden County, excepting the tonnages recycled which were based on 2005 figures. The percentages of each material were revised to reflect the percentages as found in the County's municipal solid waste only.



CAMDEN COUNTY DEPT. OF PARKS
DIV. OF ENVIRONMENTAL AFFAIRS
520 N. NEWTON LAKE DRIVE
COLLINGSWOOD, N.J. 08107
(856) 858-5241 Fax # (856) 858-3470

EXHIBIT 1

DATE: _____
TOWN: _____

C 2160

COMMERCIAL RECYCLING COMPLIANCE INSPECTION REPORT

Inspection Conducted Pursuant To N.J.S.A. 13:1E-1 et seq. and Camden County Solid Waste Management Plan-Amendment 70-8-93. Penalties For Non-Compliance Are Set Forth Pursuant To Camden County Freeholder Board Resolution #96 7/27/95. Violations Range From \$100 To \$2,500 Per Violation.

Inspection Visit: 1 2 3 4 _____
Site Name: _____ Phone No. _____
Address: _____

Mailing Address: _____
Owner/Operator Name: _____ Phone No. _____
Person Interviewed: _____ Title: _____
Type of Business: _____ No. of Employees _____
Waste Hauler Name: _____ Phone No. _____
Recycling Hauler Name: _____ Phone No. _____
Bldg./Mall Mgt: _____ Phone No. _____

C=Compliance NC=Non-Compliance NA=Not Applicable	C	NC	NA
Recycling system in place for Mandated Materials			
1. Newspaper			
2. Office Paper High Grade Mixed Grade			
3. Corrugated Cardboard			
4. Glass, Cans and Plastic (Commingled)			
5. _____			
Mandated Materials in garbage system			
6. Newspaper			
7. Office Paper High Grade Mixed Grade			
8. Corrugated Cardboard			
9. Glass, Cans and Plastic (Commingled)			
10. _____			
Recycling system set up and operated properly			
11. Recycling Containers/Area - Capacity Adequate			
12. Recycling Containers/Area - Clearly Marked			
13. Recycling Containers/Area - Free of Contaminants			
14. Recycling Area Neatly Maintained			
15. Affected customers/employees notified of recycling requirements (signs posted, etc.)			

COMMENTS: _____

Enforcement Officer
Signature: _____ Date: _____

I acknowledge that the Enforcement Officer Listed above has provided me with a copy of this report at the end of the inspection. I understand that each business owner/operator is responsible for providing documentation to local municipality of tonnages recycled.

Interviewee's Signature _____ Date: _____



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520 N. NEWTON LAKE DRIVE
COLLINGSWOOD, N.J. 08107
(856) 858-5241 Fax # (856) 858-3470

EXHIBIT 2

DATE: _____

TOWN: _____

M 2120

MULTI-FAMILY RECYCLING COMPLIANCE INSPECTION REPORT

Inspection Conducted Pursuant To N.J.S.A. 13:1E-1 et seq. and Camden County Solid Waste Management Plan-Amendment 70-8-93. Penalties For Non-Compliance Are Set Forth Pursuant To Camden County Freeholder Board Resolution #96 7/27/95.

Violations Range From \$100 To \$2,500 Per Violation.

Inspection Visit: 1 2 3 4 _____

Site Name: _____ Phone No. _____

Address: _____

Mailing Address: _____ No. of Units _____

Management Company: _____ Phone No. _____

Person Interviewed: _____ Title: _____

Type of Multi Family Location: _____

Waste Hauler Name: _____ Phone No. _____

Recycling Hauler Name: _____ Phone No. _____

Owner: _____ Phone No. _____

C=Compliance NC=Non-Compliance NA=Not Applicable	C	NC	NA
Drop-off centers in place for Mandated Materials*			
1. Newspaper			
2. Glass, Cans and Plastic (Commingled)			
3. Mixed Residential Paper			
4. Cardboard			
5. _____			
Mandated Materials in garbage system			
6. Newspaper			
7. Glass, Cans and Plastic (Commingled)			
8. Mixed Residential Paper			
9. Cardboard			
10. _____			
Systems for Mandated Materials - Drop-off centers			
11. Recycling Containers/Area - Capacity Adequate			
12. Recycling Containers/Area - Clearly Marked			
13. Recycling Containers/Area - Free of Contaminants			
14. Recycling Area Neatly Maintained			
15. Residents Given Notice of Recycling Requirements (Obtain Copy)			

*DROP-OFF CENTERS NOT REQUIRED IF CURBSIDE COLLECTION IS PROVIDED

COMMENTS: _____

Enforcement Officer _____

Signature: _____ Date: _____

I acknowledge that the Enforcement Officer Listed above has provided me with a copy of this report at the end of the inspection. I understand that each business owner/operator is responsible for providing documentation to local municipality of tonnages recycled.

Interviewee's Signature _____ Date: _____

Copies- White:Location Inspected; Canary:C.C.D.E.A.; Pink:Town

In the Matter of [REDACTED]
[REDACTED] Haddonfield Rd.
Cherry Hill, NJ

Administrative Order and Notice
of Civil Administrative Penalty
Assessment

This order and notice are issued pursuant to the authority of N.J.S.A. 12:1E-1 et. Seq., the Camden County Solid Waste Management Plan – Amendment 70-8-93 and Camden County Resolution #96 (7:27-95).

FINDINGS

As a result of investigations conducted on [REDACTED], [REDACTED] and [REDACTED] the [REDACTED] located at [REDACTED] Haddonfield Rd. Cherry Hill, NJ, County of Camden, has been found to be in violation of N.J.S.A. 13:1E-1 et. Seq., the Camden County Solid Waste Management Plan – Amendment 70-8-93 and Camden County Resolution #96 (7-27-95), by failing to maintain multi-family recycling compliance.

ORDER

Therefore, it is ordered that on or before [REDACTED], [REDACTED] shall come into compliance with the Camden County Department of Environmental Affairs, Division of Solid Waste Management.

PENALTY

Based on the above findings and a review of the entire matter, the Camden County Division of Health assesses a Civil Administrative Penalty against you in the amount of \$700.00. Payment must be submitted to the Camden County Division of Health within 20 calendar days of receipt of this order. Payment must be made to the Camden County Division of Health, Hazardous Materials Unit, Jefferson House 3rd Floor, PO Box 9, Lakeland Road, Blackwood NJ 08012-0009.

GENERAL PROVISIONS

You are entitled to a hearing if aggrieved by this Order and Notice. Written notice must be received by the Camden County Division of Health within 20 days of receipt of this Order and Notice. If no request for a hearing is received within 20 calendar days, this Notice will become a final order and the penalty will become due and payable. A hearing request does not stay the terms of effect of the Order.

The provisions of this Order and Notice shall be binding on you, your principals, agents, employees, successors, assigns, tenants and any trustee in bankruptcy or receiver appointer pursuant to a proceeding in law or equity.

No obligations imposed by this Order and Notice with exception of the penalty section are intended to constitute a debt, damage claim, penalty or other civil action which should be limited or discharged in a bankruptcy proceeding. All obligations imposed by this order shall constitute containing regulatory obligations imposed pursuant to the police powers of the State of New Jersey, intended to protect public health, safety and welfare.


Assistant Chief, Registered Environmental Health Specialist

**PENALTY ASSESSMENT SCHEDULE FOR NON-COMPLIANCE WITH RECYCLING
REGULATIONS AS IDENTIFIED IN THE CAMDEN COUNTY SOLID WASTE
MANAGEMENT PLAN**

Pursuant to the New Jersey Solid Waste Management Act (Act), The New Jersey Statewide Source Separation and Recycling Act, and the Camden County Solid Waste Management Plan, The Camden County Department of Environmental Affairs (Department) and/or The Camden County Department of Health and Human Services shall assess a civil administrative penalty for the violations described in this section on the basis of the seriousness of the violation and the conduct of the violator at the mid-point of the following ranges.

		Seriousness		
		Major	Moderate	Minor
Conduct	Major	\$1,000- \$2,500	\$600- \$1,300	\$400- \$800
	Moderate	\$600- \$1,300	\$500- \$1,000	\$300- \$600
	Minor	\$400- \$800	\$300- \$600	\$100- \$200

A. The seriousness of the violation shall be determined as major, moderate or minor as follows:

1. Major seriousness shall apply to any violation which:

Seriously deviates from the requirements of The Act or The Camden County District Solid Waste Management Plan approved pursuant to the Act. Serious deviation shall include, but not be limited to, those violations which are in complete contravention of the County's recycling requirement, or if some of the requirements are met, which severely impair or undermine the intent of these requirements:

2. Moderate seriousness shall apply to any violation which:

Substantially deviates from the requirements of the Act, or The Camden County Solid Waste Management Plan approved pursuant to the Act. Substantial deviation shall include, but not be limited to, violations which are in substantial contravention of the County's recycling requirements or which are in substantial contravention of these requirements or which substantially impair or undermine the intent of these requirements; and

3. Minor seriousness shall apply to any violation not included in (A) 1 or 2 above.

- B. The conduct of the violator shall be determined as major, moderate or minor as follows:

1. Major conduct shall include any intentional, deliberate, purposeful, knowing or willful act or omission by the violator.
2. Moderate conduct shall include any unintentional but foreseeable act or omission by the violator; and
3. Minor conduct shall include any other conduct not included in (B)1 or 2 above.

- (i) The Department may in its discretion adjust the amount determined pursuant to (A) and (B) above to assess a civil administrative penalty in an amount no greater than the maximum amount nor less than the minimum amount in the range described above, on the basis of the following factors:

1. The compliance history of the violator;
2. The number, frequency and/or severity of the violation(s) by the violator;
3. The measures taken by the violator to mitigate the effects of the current violation or prevent future violations;
4. The deterrent effect of the penalty; and/or
5. Other specific circumstances of the violator or the violation.

C. Civil administrative penalty for submitting inaccurate or false information.

(1) The Department may assess a civil administrative penalty pursuant to this section against each violator who submits inaccurate information or who makes a false statement, representation or certification in any document required to be submitted or maintained, or The Camden County Solid Waste Management Plan approved pursuant to the Act.

(2) Each day, from the day that the violator knew or had reason to know that it submitted inaccurate or false information to the Department until the day of receipt by the Department of a written correction by the violator, shall be an additional, separate and distinct violation.

(3) The Department shall assess a civil administrative penalty for violations described in this section based on the conduct of the violator at the mid-point of the following ranges except as adjusted pursuant to (4) below:

1. For each intentional, deliberate, purposeful, knowing or willful act or omission shall be in an amount of not more than \$500.00 nor less than \$100.00 per act or omission; and

2. For all other conduct, the civil administrative penalty, per act or omission, shall be in the amount of \$100.00 per violation.

(4) The Department may, in its discretion, adjust the amount determined pursuant to (3) above to assess a civil administrative penalty in an amount no greater than the maximum amount nor less than the minimum amount in the range described in (3) above, on the basis of the following factors:

1. The compliance history of the violator;

2. The number frequency and/or severity of violation(s) by the violator;

3. The measures taken by the violator to mitigate the effects of the current violation or prevent future violations;

4. The deterrent effect of the penalty; and/or

5. Other specific circumstances of the violator or the violation.

D. Civil administrative penalty for failure to allow lawful entry and inspection

(a) The Department may assess a civil administrative penalty pursuant to this section against any violator who refuses, inhibits or prohibits immediate lawful entry and inspection by any authorized Department representative of any premises, building or facility which the Department may enter and inspect pursuant to the provisions of the Act.

(b) Each day that a violator refuses, inhibits or prohibits immediate lawful entry and inspection by any authorized Department representative of any premises, building or facility which the Department may enter and inspect pursuant to the provisions of the Act, shall be an additional, separate and distinct violation.

(c) The Department shall assess a civil administrative penalty for violations described in this section at the mid-point of the following ranges except as adjusted pursuant to (d) below as follows:

1. For refusing, inhibiting or prohibiting immediate lawful entry and inspection of any premises, building or facility for which an administrative order, permit, license or other operating authority requirement exists under the act, the civil administrative penalty shall be in an amount of not more than \$1,000.00 nor less than \$500.00 per violation; and

2. For any other refusal, inhibition, or prohibition of immediate lawful entry and inspection the civil administrative penalty shall be in an amount of not more than \$2,000.00 nor less than \$1,000.00 per violation.

(d) The Department may, in its discretion, adjust the amount determined pursuant to (c) above to assess a civil administrative penalty in an amount no greater than the maximum amount nor less than the minimum amount in the range described in (c) above, on the basis of the following factors:

1. The compliance history of the violator;
2. The number, frequency and/or severity of violation(s) by the violator;
3. The measures taken by the violator to mitigate the effects of the current violation or prevent future violation;
4. The deterrent effect of the penalty; and/or
5. Other specific circumstances of the violator or the violation.

(b) Each day a fee is not paid after it is due shall constitute an additional, separate and distinct violation.

(c) For violations described in this section, the amount of the civil administrative penalty shall be equal to the unpaid fee, up to a maximum of \$2,500.00 per violation.

Civil administrative penalty for economic benefit

This department may, in addition to any other civil administrative penalty assessed pursuant to this subchapter, in its discretion include as a civil administrative penalty the economic benefit (in dollars) which the violator has realized as a result of not complying with, or by delaying compliance with, the requirements of the act, or any district solid waste management plan approved, pursuant to the act. If the total economic benefit may be apportioned among the violations, the total economic benefit may be apportioned among the violations from which it was derived so as to increase each civil administrative penalty assessment to an amount no greater than \$ 2,500.00 per violation. Penalty assessment schedule for non-compliance with recycling regulations as identified in the Camden County Solid Waste Management Plan.

TABLE 4

CAMDEN COUNTY MUNICIPAL SOLID WASTE STREAM

	% of MUNICIPAL WASTE STREAM	TOTAL TONS in WASTE STREAM*	TONS RECYCLED 2005	TONS DISPOSED
Yard Waste	17.60%	92,070	91,163	906
Food Waste	13.10%	68,528	876	67,653
Newspaper	7.40%	38,711		
Corrugated	10.60%	55,451	30,883	199,309
Office Paper	4.10%	21,448		
Other Paper	16.00%	83,699		
Plastic Containers	1.60%	8,370		
Glass Containers	4.40%	23,017	26,810	38,711
Aluminum Containers	0.50%	2,615		
Tin/Metal Containers	0.90%	4,709		
Other Plastic Packaging	1.80%	9,416		
Other Plastic Scrap	6.70%	35,049	1,924	124,502
Other Glass	0.70%	3,662		
Other Municipal	14.60%	76,375		
TOTAL	100%	523,120		

* Based on 2003 municipal waste stream of 523,120 tons

Identified below are the program modifications and material-specific strategies to be employed to increase municipal solid waste recycling totals in Camden County and meet the above stated goal. Strategies for both the residential and commercial/institutional sectors are identified as applicable.

1. EDUCATION PROGRAM MODIFICATIONS

The existing program, focusing on education through school and group presentations by the Environmental Educator distribution of the *Recycler* newsletter, and one-on-one meetings with business owners/managers and institution managers by enforcement personnel will continue.

Recycler Newsletter

Complimenting the additional educational efforts to be implemented through the commercial/institutional enforcement program discussed in **Section 4.B.2** below, the distribution of the *Recycler* newsletter will be expanded to include businesses with not less than one page each year being dedicated to informing County businesses and institutions as to their responsibilities with respect to recycling, with special emphasis on their reporting requirements.

2. ENFORCEMENT PROGRAM MODIFICATIONS

Municipal Enforcement Efforts

As mentioned previously, enforcement of residential recycling requirements is a function of municipalities. Camden County will work with municipalities to ensure that local recycling ordinances are in place and will encourage greater enforcement activity within the residential sector.

Commercial Enforcement Efforts

While Camden County has had a successful recycling enforcement program in place for many years, the following program modifications will be instituted to increase its effectiveness and thereby improve current recycling rates within the commercial/institutional sector.

Changes in Inspection Schedule

In order to increase the number of inspections performed with limited staff, and create a greater immediacy to come into compliance, the above mentioned "three strikes" procedure will be modified to provide for the imposition of fines

following the second inspection in those instances where no progress toward compliance has been made.

Auditing of Commercial Waste Loads

Not less than four times per year, recycling enforcement personnel will audit incoming commercial loads at the resource recovery facility in Camden and the landfill in Pennsauken in order to develop "areas of concentration" for future inspections/enforcement actions.

Targeted Mailings

A series of mailings will be implemented designed to target specific types of commercial sector establishments i.e. banking institutions, office complexes, retail establishments, etc. These mailings will identify the business/institutions recycling responsibilities under the law, offer assistance in establishing a recycling program, and notify the recipient of possible future inspections by the enforcement team and possible fines for non-compliance.

Greater Emphasis on Reporting Requirements

Based on our knowledge of the state of recycling within the commercial and institutional sectors, it is our sincere belief that there is a significant percentage of recycling that goes unreported each year. Capturing this data will, in and of itself, "increase" recycling in the County by many percentage points.

Greater emphasis will be placed on the reporting requirements for businesses/institutions. Local recycling coordinators will be sent confirmation that a business/institution in their municipality is recycling and should be submitting a tonnage report to the local coordinator at the end of the year.

The combined effect of increased enforcement actions, stepped up education initiatives for both the residential and commercial/institutional sectors, and more accurate reporting of recycling totals, when added to the material specific strategies discussed below will result in Camden County achieving, and exceeding, its recycling goals without significant changes to its current recycling strategy.

3. MATERIAL SPECIFIC STRATEGIES

a. NEWSPAPER, MIXED PAPER, CARDBOARD AND GLASS AND PLASTIC BOTTLES/JARS AND METAL CONTAINERS

Residential Sector

As stated previously, Camden County has had a long standing relationship with FCR Camden, Inc. to market curbside recyclables in this category. This relationship will continue with the recent negotiation of an amended five year agreement that will increase revenue shares to contracted municipalities for both fiber and commingled bottles and cans.

FCR is presently retrofitting its facility at the Harris Terminal in Camden City. to include processing equipment for both dual stream and single stream recycling. In reaction to local market demand, FCR has begun to offer contracted municipalities the option of "single stream" recycling whereby recyclable fiber and containers can be collected together in a single curbside container. Motivated by the prospect of decreased collection costs and possible increased participation, many municipalities in the County have responded favorably to this option and have either begun collecting recyclables "single stream" or are considering doing so in the near future. Early comparisons from the eleven municipalities currently participating in single stream collections show one month tonnage increases of as much as 79% when considering May 2007 collections versus May 2006 with the average increase being 37%. This increase may be attributable to increased participation in fiber recycling given the ability to place fiber in the municipality-provided commingled container and place whole cardboard boxes at the curb.

In the same vein, in November of 2005, Camden County and FCR, working with officials in the Borough of Oaklyn, instituted a pilot program whereby each household was given an 18 gallon fiber bin in which to place recycled newspapers, catalogues, magazines, junk mail, etc. The distribution of these containers resulted in an increase of 54 tons of paper and, remarkably, 14 tons of commingled containers being recycled by the Borough over the previous twelve month period.

Using the above figures, the implementation of improved collection techniques, coupled with more aggressive municipal enforcement programs, will result in a 25% increase in total residential paper/commingled container recycling.

TONNAGE INCREASE EQUALS $38,570 \text{ ton} \times 0.25 = 9,642 \text{ tons}$

Commercial/Institutional Sector

Education/enforcement actions will continue within the commercial/institutional sector with greater emphasis being placed on reporting recycling totals to the local municipality by generators and/or haulers.

Greater use will be made of the Recycler newsletter as an educational tool for County based businesses, along with the increased enforcement activities identified in **Section 4.B.2**. As part of the County's future enforcement actions, the County will target construction job sites which have been found to generate significant amounts of cardboard.

As can be seen in **Table 4** it is estimated that 199,309 tons of paper were disposed of in 2003. Through the education and enforcement efforts identified above, Camden County will target not less than 40% of this paper now entering the waste stream for recycling.

TONNAGE INCREASE EQUALS 199,309 tons X 0.40 = 79,724 tons

b. YARD WASTE

Residential Sector

All Camden County municipalities have had programs in place for the collection of yard waste including leaves, grass and brush. Recent tonnage grant reports would seem to indicate a reduction in yard waste collections by some municipalities. Fall leaf collection programs successfully divert almost all leaves from the waste stream to municipal and regional compost facilities or area farms. While the closure of the Bellmawr regional compost facility in 2006 created a potential shortfall in capacity, working with the County, the Gloucester Township Municipal Improvement Authority (GTMUA) was able to take on additional municipalities and avert a crisis. The GTMUA is presently working with the NJDEP to expand their operations to meet future County needs. The presence of local and regional compost facilities, in addition to local farms, will continue to meet the needs of Camden County's municipal yard waste collection programs.

While **Table 4** would seem to indicate a diversion rate approaching 100% for Yard Waste in Camden County, it is obvious that, in reality, such is not the case. Some municipalities report no recycling of grass clippings and, to a lesser extent, brush. Camden County will work with its municipalities both one on one and through RICC, to ensure the continued diversion of grass, brush and tree parts from the waste stream by municipal recycling programs. Through these efforts a 5% increase in municipal yard waste recycling is anticipated.

TONNAGE INCREASE EQUALS 91,163 tons X 0.05 = 4,558 tons

Commercial Sector

Lawn and garden maintenance within the commercial/institutional sector is largely a function of private landscapers. In order to increase the recycling of leaves, grass, brush and tree parts among landscapers, Camden County will implement an education/enforcement plan targeting landscapers working in Camden County. In January of each year, letters will be sent to landscapers reminding them of the requirement that leaves, grass, brush and tree parts must be composted/recycled and weights reported to the local municipality. In addition, larger landscaping companies will receive a courtesy call from County enforcement personnel during this time to further emphasize these requirements.

Inspections will be performed both at landscaper offices and at job sites throughout the spring, summer and fall seasons to ensure their continuing compliance. In addition, the prohibition on the disposal of yard waste at the Pennsauken Landfill will be strictly enforced.

Through these efforts, a 15% increase in Yard Waste recycling within the business/institutional sector is expected

TONNAGE INCREASE EQUALS 91,163 tons X 0.15 = 13,674 tons

c. FOOD WASTE

Camden County identified food waste as a possible mandatory recyclable in Solid Waste Plan Amendment 72-9-93 in 1993. This Amendment contained a statement that "... *food waste and tires shall become mandatory only upon the successful permitting of facilities to handle these materials at the Winslow Township Transfer Station and Camden Iron and Metal respectively.*" The facilities named were never permitted.

As there continues to be no viable local markets for food waste, Camden County has not designated this item as a mandatory recyclable. However, in the course of conducting recycling compliance inspections, the County will continue to encourage the recycling of food waste by County restaurants and institutions where possible. Through these efforts, it is hoped that a minimal diversion of 5% of the food waste generated can be achieved. The County will reconsider designating food waste as a mandatory recyclable if, and when, convenient markets become available.

The environmental educator will continue to conduct programs designed to educate residents on ways to compost food waste at home. One such program entitled "Compost Happens" that emphasizes worm composting, has proven to be especially popular with residents. The County will also consider reviving an earlier program that offered free backyard compost bins to attendees at a series of backyard composting workshops.

TONNAGE INCREASE EQUALS 68,528 tons X 0.05 = 3,426 tons

The combined efforts identified above will result in an increase of 111,024 tons being diverted from Camden County's waste stream annually, surpassing the target of 100,741 tons

4. OTHER RECYCLING INITIATIVES

While not characterized as municipal solid waste by the NJDEP, Camden County proposes the following initiatives designed to increase the percentage of the County's total solid waste stream that is recycled.

a. WHITE GOODS AND OTHER SCRAP METALS

Residential Sector

All Camden County municipalities have existing scrap metal collection programs. For the most part, they require homeowners to schedule pickups and place items at the curb on designated days. These programs effectively remove all large appliances i.e. refrigerators, ranges, washers, dryers, etc. from the waste stream.

However, visual inspections of homeowner set outs for trash collection reveal that many smaller metal items continue to be disposed of in the trash. In some instances these items are left behind but more often than not they are placed in the collection vehicle and sent to a disposal facility.

Camden County will work with its municipalities and haulers to encourage improved education and enforcement in prohibiting the disposal of scrap metal in the trash by homeowners.

Commercial/Institutional Sector

While large scale generators of scrap metal universally recycle these items as a matter of economics, not all of the resulting tonnages get reported to either the local municipality or the County. Camden County will continue to educate businesses/institutions as to the recycling requirements of the County Solid Waste Management Plan with respect to scrap metal with a particular emphasis on reporting requirements. It is the County's belief that large amounts of scrap metal recycled within the commercial/institutional sector go unreported and therefore do not get accurately attributed to their municipality of origin.

Smaller generators and those business/institutions that produce scrap metal on a more infrequent basis, as during renovations or demolition, are more likely to dispose of these items through their trash collection service. In most instances, this scrap metal is delivered to either the CCERA Resource Recovery Facility in Camden or the PCFA Landfill in Pennsauken. While scrap metal delivered to the resource recovery facility is removed from the ash at the back end of the incineration process and is recycled, scrap metal delivered to the landfill in Pennsauken is not presently recovered. Camden County, through the Pollution Control Financing Authority, will institute a program to divert scrap metal delivered to the landfill for recycling.

b. CONSTRUCTION/DEMOLITION MATERIALS

Commercial Sector

While the overwhelming majority of construction and demolition waste is currently being recycled, significant amounts of waste wood and cardboard continue to be disposed of in waste containers on construction job sites.

Camden County will institute an education/enforcement program aimed at bringing construction job sites into compliance with recycling regulations with respect to these items.

c. DESIGNATION OF ADDITIONAL MANDATORY RECYCLABLES

While the focus of County efforts will continue to be on enforcement with respect to presently mandated recyclables, the County will consider adding to the list such items as food waste, tires and electronics if/when convenient, economical markets for these materials are established.

As identified in Table 4, food waste makes up a significant portion of the County's waste stream. Should a nearby market materialize, the successful recycling/composting of food waste from restaurants and institutions would have a significant impact on the County's MSW recycling rate.

Various proposals have been presented to the County to establish private sector tire recycling facilities in the County without success. One tire recycler, Common Ground Recycling, did locate an R and D facility in Camden County at the Pennsauken Landfill. Unfortunately, this facility ceased operations in 2006.

As noted previously, electronics, including computers and printers; telecommunication equipment; televisions, VCRs/DVD players, stereo components, i.e. receivers, tape decks, CD players, speakers, are currently collected on designated days. Public awareness regarding the proper disposition of electronic waste is growing as evidenced by the increasing participation in the county's collection program. While the County does host one Class D facility, (Lynswell Technology) they currently accept only computer equipment for recycling. As discussed in Section 3C, Camden County is investigating the feasibility of establishing a County sponsored Class D facility for the receipt of electronic waste.

Section 5. PROVIDERS OF RECYCLING SERVICES

The following facilities provide recycling services in Camden County.

Class A Facilities

FCR CAMDEN, L.L.C.

2201 Mt. Ephraim, Bldg. #10
Camden, 08104

Block: 614

Lot(s): 1

Hours of Operation:

Monday – Friday	7:00 am to 6:00 pm
Saturday	7:00 am to 6:00 pm

Approved Waste Types: Commingled glass metal and plastic containers; newspaper; cardboard; mixed paper (junk mail, office, catalogues / magazines, etc.); single stream recyclables

NATIONAL PAPER RECYCLING

1513 Ferry Avenue
Camden, 08104

Block: 216

Lot(s): 10

Hours of Operation:

Monday – Friday	7:00 am to 5:00 pm
Saturday	CLOSED

Approved Waste Types: Newspaper; mixed paper (junk mail, office, catalogues/magazines, etc.); cardboard; glass metal and plastic containers

CAMDEN IRON AND METAL

1500 S. Sixth Street
Camden, 08104

Block: 217

Block: 349

Block: 351

Block: 461

Lot(s): 9.01

Lot(s): 11

Lot(s): 2 and 8

Lot(s): 15

Hours of Operation:

Monday – Friday

7:00 am to 7:00 pm

Saturday

7:00 am to 3:00 pm

Approved Waste Types: Scrap metal (aluminum, brass, copper, iron, steel, etc.)

KENDZIERSKI BROTHERS

1829 Tioga Street
Camden, 08104

Block: 556

Block: 557

Lot(s): 57 and 67

Lot(s): 3

Hours of Operation:

Monday – Friday

7:00 am to 4:00 pm

Saturday

7:00 am to 12:00 pm

(Labor Day to Memorial Day)

Approved Waste Types: Scrap metal (aluminum, brass, copper, iron, steel, etc.)

STATE METAL INDUSTRIES

941 S. 2nd Street
Camden 08103

Block: 231

Lot(s): 40

Hours of Operation:

Monday – Friday

7:30 am to 4:00 pm

Saturday

7:30 am to 11:30 pm

Approved Waste Types: Scrap metal (aluminum, brass, copper, iron, steel, zinc, etc.)

RIVER ROAD RECYCLING

450 S. 37th Street
Pennsauken, 08110

Block: 201**Lot(s): 9****Hours of Operation:**

Monday – Friday 8:00 am to 3:30 pm

Saturday 8:00 am to 12:00 pm

Approved Waste Types: Scrap metal (aluminum, brass, copper, iron, steel, etc.)

WADE SALVAGE

382 Jackson Road
Atco, 08004

Block: 40**Lot(s): 1.02****Block: 42****Lot(s): 4, 5 and 20****Hours of Operation:**

Monday – Friday 9:00 am to 5:00 pm

Saturday By Appointment

Approved Waste Types: Scrap metal (aluminum, brass, copper, iron, steel, etc.),
auto batteries, tires (transfer only)

Class B Facilities

RIVER FRONT RECYCLING AND**AGGREGATE, L.L.C.**

1301 N. 26th Street
Camden, 08105

Block: 811**Lot(s): 8****Block: 812****Lot(s): 3 and 4****Block: 816****Lot(s): 2, 3 and 7****Hours of Operation:**

Process – 24/7

Receive, Store, Transfer – 24/7

Approved Waste Types: Concrete, brick, block, asphalt, soil, tree parts, stumps,
untreated/unpainted wood, brush

ATCO CONCRETE CO
2324 Columbia Avenue
Atco, 08004

Block: 244 Lot(s): Portions of
24 and 25

Hours of Operation:

Monday – Friday 7:30 am to 4:30 pm

Approved Waste Types: Concrete, brick, block, asphalt

W. HARGROVE RECYCLING, INC.
1507 State Street
Camden, 08105

Block: 817 Lot(s): 1, 1.01 and 52

Hours of Operation:

Monday - Friday 7:00 am to 5:00 pm
Saturday 7:00 am to 4:00 pm

Approved Waste Types: Concrete, brick, block, asphalt

LOWER COUNTY RECYCLING COMPANY
965 Hickstown Rd.
Erial, 08081

Block: 15108 Lot(s): 2

Hours of Operation:

Monday - Friday 7:00 am to 4:00 pm
Saturday 7:00 am to 12:00 pm

Approved Waste Types: Concrete, brick, cinder block, asphalt, slate roofing

Class C Facilities

BERLIN TOWNSHIP COMPOST FACILITY

Block: 1701

Lot(s): 4

200 Edgewood Ave.
West Berlin 08091

Hours of Operation:

NOT OPEN TO THE PUBLIC; TOWNSHIP
VEHICLES ONLY

Monday - Friday	6:00 am to 2:30 pm
Saturday	CLOSED

Approved Waste Types: Leaves

CHERRY HILL COMPOST FACILITY

Block: 526.01

Lot(s): 1

Kresson Rd.
Cherry Hill, 08003

Hours of Operation:

For CHERRY HILL TOWNSHIP ONLY

Monday - Friday	7:00 am to 6:00 pm
Saturday	7:00 am to 3:00 pm

Approved Waste Types: Leaves

COLLINGSWOOD COMPOST FACILITY

Block: 149

Lot(s): 1

1035 Harrison and Champion Aves
Collingswood, 08107

Hours of Operation:

NOT OPEN TO THE PUBLIC; BOROUGH
VEHICLES ONLY

Monday - Friday	7:00 am to 3:00 pm
Saturday	CLOSED

Approved Waste Types: Leaves

**GLOUCESTER TOWNSHIP MUA
COMPOST FACILITY**

71 Landing Road
Gloucester Twp. 08012

Block: 1402 **Lot(s):** 3
Block: 2401 **Lot(s):** 1 and 3

Hours of Operation:

Monday - Friday 7:30 am to 4:00 pm
Saturday-(upon request) 7:30 am to 1:00 pm

Approved Waste Types: Vegetative Waste (leaves and grass)

**PENNSAUKEN TOWNSHIP
COMPOST FACILITY**

8850 Park Ave.,
Pennsauken 08109

Block: 3701 **Lot(s):** 27

Hours of Operation:

NOT OPEN TO THE PUBLIC; TOWNSHIP
VEHICLES ONLY

Monday – Friday 7:30 am to 10:45 am
 12:15 pm to 2:45 pm
Saturday CLOSED

Approved Waste Types: Leaves

**VOORHEES TOWNSHIP – OSAGE
COMPOST FACILITY**

1200 Rural Ave.
Voorhees 08043

Block: 46 **Lot(s):** 19

Hours of Operation:

Monday - Friday 7:00 am to 3:00 pm
Saturday CLOSED

Approved Waste Types: Leaves

**VOORHEES TOWNSHIP – TRIBORO SAND
COMPOST FACILITY**

1236 Haddonfield-Berlin Road
Gibbsboro, 08026

Block: 13 Lot(s): 301

Hours of Operation:

Monday - Friday	7:00 am to 4:30 pm
Saturday	CLOSED

Approved Waste Types: Leaves

Class D Facilities

LYNSWELL TECHNOLOGIES

602 North 10th St.
Camden 08102

Block: 96 Lot(s): 1 and 6

Hours of Operation:

Monday - Friday	8:00 am to 5:00 pm
Saturday	CLOSED

Approved Waste Types: Computers/electronics

New Facilities *

The following new facilities are added to the above list of providers of recycling services:

Class B

R.E. PIERSON MATERIALS CORP.

371 New Brooklyn Rd.
Berlin, NJ 08009

Block: 1703 Lot(s): 2.01

Hours of Operation:

Monday - Friday 7:00 am to 5:00 pm
Saturday 8:00 am to 12:00 pm

Approved Waste Types: Concrete, brick, block and asphalt

Tons/Day: 1000

SECOND CHANCE RECYCLING

1484 Ferry Ave.
Camden, NJ

**Block: 281 Lot(s): 28, 31, 35,
35.01, 36, 36.01**

Hours of Operation:

Monday - Friday 7:00 am to 5:00 pm

Approved Waste Types: Concrete, brick, block and asphalt

Tons/Day: 1000

** Pending approval by NJDEP Division of Solid and Hazardous Waste.*

SAMPLE MUNICIPAL RESOLUTION

WHEREAS, (Name of Municipality) has been made aware that (Name of Firm) wishes to construct and/or operate a recycling facility within (Name of Municipality), and

WHEREAS, this facility is to be located at Block(s) _____ Lot(s) _____ and will accept (List of recyclable items) for the purpose of recycling said items, and

WHEREAS, the above facility is acceptable to this governing body,

(The governing body may wish to list any benefits to be derived from the facility being located in their municipality and/or any limiting conditions for the acceptance of this facility),

NOW THEREFORE

BE IT RESOLVED that the governing body of (Name of Municipality) does hereby support the inclusion of the (Name of Facility or Firm) recycling facility in the Camden County Solid Waste Management Plan.

12. End Products/Markets/Disposal Sites

Please identify the end products to be produced at the proposed facility and the markets/disposal sites for these end products.

13. Contact Person:

Name _____
Address _____

Phone # _____
Fax # _____
E-mail Address _____

14. Support of Local Governing Body

A resolution from the local governing body of the host municipality supporting the proposed facility must be included with your submission for it to be deemed complete. A sample resolution is attached.

Signature _____

Date _____

Print Name _____

5. Tons per day/per week to be accepted: _____
6. Number of trucks inbound per day/per week: _____
7. Number of trucks outbound per day/per week: _____
8. Hours of operation: _____
9. Number of days per week: _____
10. Facility Service Area (please circle):

Camden County

South Jersey

New Jersey

Philadelphia Metropolitan Area

Other _____

11. Process / Procedure

Briefly describe the process/procedure to be followed in accepting the above noted materials at this location. (if additional space is needed, please attach separate sheet)

Please include an 8 1/2 x 11 copy of a diagram of the proposed facility, if available.



Proposed Recycling Facility Fact Sheet

1. Name of Facility: _____

2. Location: _____

BLOCK _____
BLOCK _____
BLOCK _____

LOT _____
LOT _____
LOT _____

Please include an 8 ½ x 11 copy of the tax map for this property

3. Facility Owner: _____

Address: _____

Phone #: _____ Fax #: _____

4. Materials to be Accepted: (Please circle)

Asphalt
Asphalt Shingles
Block
Brick
Brush
Cardboard
Commingled Materials
Computer Equipment
Concrete
Contaminated Soils
Electronic Components

Grass
Leaves
Mixed Residential Paper
Newspaper
Scrap Metal
Solid Waste
Tires
Tree Parts
Tree Stumps
Universal Wastes
Wood Waste

Other (specify): _____



Proposed Recycling Facility Check List

Items 1 – 3 must be submitted with this application for inclusion into the Camden County Solid Waste Management Plan for it to be deemed complete.

- 1) ___ **Proposed Facility Fact Sheet (see attached)**
- 2) ___ **8 ½ x 11 copy of Tax Map**
- 3) ___ **Local Governing Body Resolution of Support (see attached sample)**
- 4) ___ **Other Supporting Documentation.**

The proposer may submit additional information which, in the proposer's opinion, will assist the Camden County Solid Waste Advisory Council in their review of the proposed facility.

Please Specify:
