

AMENDMENT #9

TO THE CUMBERLAND COUNTY

SOLID WASTE MANAGEMENT PLAN

JUNE 1992

PREPARED BY THE

CUMBERLAND COUNTY IMPROVEMENT AUTHORITY

with assistance from

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APPENDIX A - Certification of the July 18, 1991 Amendment to the Cumberland County District Solid Waste Management Plan

APPENDIX B - County Resolution Adopting Amendment #9 to the Cumberland County District Solid Waste Management Plan

APPENDIX C - Minutes of Cumberland County Solid Waste Advisory Council

1.0 INTRODUCTION

The County of Cumberland proposes to amend the Cumberland County Solid Waste Management Plan pursuant to the requirements of the New Jersey Solid Waste Management Act (N.J.S.A. 13: 1E-1 et. seq.). The New Jersey Solid Waste Management Act (the Act) designates each county in the State and the Hackensack Meadowlands District as solid waste management districts, and provides each county and the Hackensack Meadowlands Development Commission with the authority to develop and implement comprehensive solid waste management plans which meet the needs of every municipality within each county and within the Hackensack Meadowlands District. The Act requires that all district plans be based on and accompanied by a report detailing the existing waste disposal situation in the district, and a plan which includes the strategy to be followed by the district in meeting the solid waste management needs of the district for a 10 year planning period. The Act further provides that a district may review its plan at anytime and, if found inadequate, adopt a new plan.

The Cumberland County Solid Waste Management Plan (SWMP or County Plan) was adopted by the Cumberland County Board of Chosen Freeholders on December 13, 1979, and approved with modifications by the Commissioner of the New Jersey Department of Environmental Protection (the Commissioner) on March 4, 1981. Since 1981, eight amendments to the SWMP have been adopted by the Board of Chosen Freeholders and later approved by the Commissioner.

The primary purpose of this 9th amendment to the SWMP is to respond to the New Jersey Department of Environmental Protection and Energy (DEPE) Commissioner Scott A. Weiner's Certification of the July 18, 1991 Amendment to the Cumberland County District Solid Waste Management Plan. In the Commissioner's Certification DEPE requested that the County address recommendations of the New Jersey Emergency Solid Waste Assessment Task Force (Task Force). The Task Force issued a final report on August 6, 1990 that, among other things, concluded that New Jersey could recycle 60% of its total waste stream by 1995. This plan amendment responds to the Commissioner's Order and the recommendations of the Task Force.

To insure the broadest possible participation by the general public in this Plan Amendment process, the Cumberland County Board of Chosen Freeholders has scheduled a public hearing on June 4, 1992 at the County Administration Building. All County residents, public officials or organizations interested in Amendment #9 to the County SWMP are encouraged to attend and offer testimony.

Inquires and written comments or questions concerning this proposed Plan Amendment may be addressed to:

Cumberland County Board of
Chosen Freeholders
790 East Commerce Street
Bridgeton, NJ 08302

or

Cumberland County Improvement Authority
2 West Vine Street
Millville, NJ 08332
(609) 825-3700

2.0 SUMMARY OF CUMBERLAND COUNTY SOLID WASTE MANAGEMENT PLAN

The Cumberland County Solid Waste Management Plan (SWMP) was adopted by the Cumberland County Board of Chosen Freeholders on December 13, 1979, and approved with modifications by the Commissioner of the New Jersey Department of Environmental Protection on March 4, 1981. The SWMP consists of an integrated approach to solid waste management which includes: waste reduction, source separation and recycling, resource recovery, and landfilling.

The original SWMP set forth a process for siting a regional landfill to serve Cumberland County, developing a resource recovery facility to serve the County, and developing recycling programs in each municipality in the County. Furthermore, the plan designated the Cumberland County Improvement Authority (CCIA) as the solid waste implementation agency within the County. In order to further develop the SWMP and meet the requirements of the Solid Waste Management Act and the Mandatory Source Separation and Recycling Act which was passed in 1987, the County prepared several plan amendments which are described below:

<u>Amendment No.</u>	<u>Date of Amendment</u>	<u>DEPE Approval</u>	<u>Purpose of Amendment</u>
1	July 14, 1983	December 22, 1983*	Prepare background studies and update the Solid Waste Management Plan.
2	March 15, 1984	July 30, 1984	Select site for County Solid Waste Complex.
3	May 8, 1986	October 9, 1986	Leaf and vegetative waste composting policy, interim disposal capacity, transportation analysis and construction debris.
4	October 17, 1987	March 9, 1988*	County Recycling Plan.

<u>Amendment No.</u>	<u>Date of Amendment</u>	<u>DEPE Approval</u>	<u>Purpose of Amendment</u>
5	October 17, 1987	March 9, 1988*	Resource Recovery Investment Tax disbursement schedule, convenience centers, solid waste contingency plan, existing landfill closures, litter abatement partnership program.
6	June 26, 1989	November 27, 1989*	Modification to Amendments #4 and #5 as required by DEPE.
7	December 20, 1989	June 4, 1990	Use of Resource Recovery Investment Tax funds for MSF, and household recycling buckets.
8	July 18, 1991	January 3, 1992*	Include recycling centers located in the County, include the development of a bulky waste recycling facility by the CCIA, and revise the disbursement of Resource Recovery Investment Tax funds to cover MSF operating costs.

*Approved with modifications requested by the Commissioner

As a part of this planning process the County designated a County landfill (Plan Amendment #2) located in Deerfield Township which began operation in 1987. The site of the landfill was named the Cumberland County Solid Waste Complex (Solid Waste Complex). The County also developed a recycling plan (Plan Amendment #4), which required municipalities to implement recycling programs. Materials designated by the County for residential collection in 1987 included: newspapers, commingled glass and metal food and beverage containers, polyethylene terephthalate (PET) plastic bottles, and white goods. County businesses were required to recycle the maximum practical amount possible of designated materials including: high grade paper, mixed office paper, corrugated cardboard, glass bottles, aluminum cans, food waste and other materials for which markets are available. Commingled glass and metal food and beverage containers, plastic containers, and newspaper are processed and marketed through a Material Separating Facility (MSF) which became operational in November of 1990.

In response to the Task Force Report, the CCIA evaluated the feasibility of constructing additional processing capability at the Solid Waste Complex to capture recyclable materials that are not source separated by County residents and businesses (Plan Amendment #8). This plan amendment called for the construction of a bulky waste processing facility that would specialize in removing wood waste, scrap metal and certain construction/demolition debris from the waste stream prior to disposal in the landfill.

3.0 NEW JERSEY EMERGENCY SOLID WASTE ASSESSMENT TASK FORCE

3.1 Task Force Findings

On April 6, 1990, Governor James Florio issued an Executive Order establishing the Task Force to, among other things, re-evaluate the State's position with respect to waste-to-energy resource recovery facilities. On July 16, 1990, the Task Force issued its Preliminary Report. After conducting two public meetings to receive public comments on the Preliminary Report's recommendations, the Task Force issued a Final Report dated August 6, 1990. In its report, the Task Force recommends the following objectives: develop a statewide solid waste management system based upon recycling goal of at least 60% within five years; reduction of the weight and volume of waste generated (source reduction); and regionalization of district solid waste management plans.

The Task Force Final Report sets forth specific recommendations to accomplish the objectives, including:

1. Restructuring existing legislation and regulations (such as the McEnroe Act and associated Services Tax and Investment Tax programs, the Bond Act program, the Recycling Tax, and Private Activity Bond volume cap allocation system) to provide, as a first priority, funding for source reduction and recycling programs. The Task Force suggests maximizing the available funds for such programs by assessing charges on all solid waste disposal facilities, including incinerators and transfer stations.
2. Abandoning the State's policy of encouraging development of incinerators in most counties and instead encouraging the counties to enter into regional plans for solid waste management.
3. Requiring that, in order to obtain DEPE approval for solid waste disposal facilities, the counties demonstrate that the disposal capacity is necessary after having planned for the achievement of the 60% recycling goal.
4. Reexamining the need for, and the cost of abandoning, certain proposed incinerator projects in the later stages of development in light of plans for source reduction, recycling, and regionalization.

On November 16, 1990, the Governor announced his acceptance of the Task Force Final Report and directed that the recommendations contained therein be implemented by his Administration. In June 1991, the DEPE issued "Solid Waste Policy Guidelines in Response to Governor Florio's Emergency Solid Waste Assessment Task Force Final Report and Recommendations" (Guidelines). The Guidelines were issued to assist the State's solid waste management districts in achieving the goals and recommendations enumerated in the Task Force Final Report. The guidelines are not intended to be the final word on New Jersey's solid waste policy, but rather a starting point from which a comprehensive statewide plan will eventually be developed. This Plan Amendment has been prepared to be consistent with the DEPE guidelines.

4.0 SOURCE REDUCTION

Included in the DEPE Certification of Amendment #8 to the Cumberland County Solid Waste Management Plan, the Commissioner stated that the County is required to "... determine what source reduction measures can be taken at the County level to eliminate the trend of increased per capita solid waste generation." A summary of the activities and methods for achieving the goals set forth by the DEPE as identified in the previously mentioned Task Force Final Report are presented herein.

4.1 Background

Source reduction is defined to encompass activities which eliminate or reduce the weight or volume of materials, decrease the toxic components contained within products and packaging, and increase product durability, reuse, refillability, and repair. Implicit in its name is its function to prevent the generation of waste at the beginning of a process or service.

4.2 Source Reduction Goals

The County will develop, through the efforts of the CCIA, an education and technical assistance program which will be designed to achieve the following goals:

1. Promote source reduction as the preferred method for reducing the volume of solid waste generated.
2. Cap the per capita generation of solid waste by 1995 at 1990 levels and reduce the per capita generation rate within 10 years.
3. Reduce the toxic component of products and packaging entering the solid waste stream.
4. Encourage the use of waste audits for companies with more than 100 employees.

5. Encourage consumers to buy in bulk, buy concentrated products, and buy products with minimal packaging, and with reduced toxicity.
6. Attain funding for an existing award program for county and municipal agencies, business and institutions that have implemented effective source reduction programs.
7. Reduce the amount of "junk mail" in the waste stream.
8. Reduce the amount of yard waste through backyard composting.
9. Encourage the procurement of recycled/recyclable products by public agencies and private industry.
10. Continue to fund and implement a household hazardous waste program to remove these materials from the solid waste stream prior to disposal.

Goal number 2 relating to the capping of per capita waste generation by 1995 and reducing the per capita waste generation rate within 10 years does not include the capping of total waste generation as stated in the Task Force Report. This provision has not been included because the goal may be difficult to achieve given the population growth projected by the County. This goal differs in part from the source reduction goal provided within the Task Force Report. Solid waste projections provided later in this Plan Amendment are based upon a constant per capita generation rate, population growth rates estimated by the Cumberland County Department of Planning and Development, and 1990 Census data.

4.2.1 Education and Technical Assistance Program

The CCIA has begun implementation of a comprehensive multi-media education program which includes: press releases, cable TV, radio, and newspaper advertisements, outdoor billboards, school videos, industrial/commercial business workshops, poster contests, recycling questions/answer hot-line, and promotional materials such as litter bags, magnets and rulers. These existing programs have been used to educate the public about recycling. The development of a source reduction program will require that the CCIA expand its education program to include source reduction education and demonstration projects.

4.2.2 Procurement of Recycled/Recyclable Products

The procurement of recycled/recyclable products by public institutions such as municipal government, county government and other public agencies can provide markets for recyclable materials by modifying procurement procedures for materials such as copy paper, stationary paper, computer paper, and road aggregate.

The County will, to the extent provided by law, encourage the purchase of recyclable materials such as copy paper, stationary paper, computer paper, and road aggregate. Through their education program the CCIA will encourage public agencies and private industry to purchase recycled and recyclable products.

In conjunction with other South Jersey counties, Cumberland County is planning a "buy recycled workshop" to encourage the purchasing of recycled products. This workshop is planned for the fall or winter of 1992.

4.3 Waste Audits

DEPE has suggested that the implementation of waste audits are a critical step in determining the volume and type of materials generated by schools, municipal, commercial, institutional and industrial sectors of Cumberland County. In 1990, the CCIA completed a waste composition analysis in order to determine the various materials present in the municipal and commercial solid waste stream.

In order to meet the DEPE's requirements, the CCIA will conduct a series of waste audit workshops for businesses operating in the County. The CCIA will identify the 25 largest generators of solid waste and all institutions and businesses with over 100 employees. These waste generators and businesses will be invited to a workshop to demonstrate how to conduct a waste audit. The goal of these waste audits will be to assist businesses in identifying solid waste that can be recycled, or reduced through source reduction programs.

5.0 ACHIEVEMENT OF RECYCLING GOALS OF NEW JERSEY EMERGENCY SOLID WASTE TASK FORCE

The Task Force's final report recommended the establishment of a 60% recycling goal for the total solid waste stream generated by 1995 and a goal of 50% recycling of municipal and vegetative waste generated by 1995. The DEPE adopted this goal in its solid waste policy guidelines issued in June 1991.

In order to attain these goals the CCIA has conducted an evaluation of alternative waste reduction and processing systems. This evaluation has resulted in the development of new solid waste and recycling programs. This new system integrates all recycling and solid waste management activities in the County and includes the expansion or development of the following programs.

- Maintain or exceed private recycling activities at 1990 levels.
- Increase the quantity of recyclable materials processed at the MSF.
- Add corrugated cardboard to existing source separation programs.
- Develop a bulky waste recycling system at the Solid Waste Complex.
- Provide for pre-processing and mixed solid waste composting through regionalization or other means.

5.1 50% Recycling Goal for Municipal and Vegetative Solid Waste

Recycling targets for each of the programs listed above that will recycle municipal and vegetative solid waste to achieve the 50% recycling goal have been identified along with recycling targets for individual components of the waste stream. These targets are provided in Table 5-1 which shows documented recycling activity for 1990 and projected recycling targets for 1995. This Table illustrates that in 1995, 73,075 tons or 50% of municipal and vegetative solid waste generated will be recycled.

Table 5-1
Cumberland County
Recycling Targets For Municipal and Vegetative Solid Waste
(Type 10 and 23 Waste)

Recycling Activity	Materials Targeted	Quantity Recycling	
		Current 1990* (Tons Per Year)	Projected 1995 (Tons Per Year)
Private Recycling (Includes materials recycled by private enterprises)	Office Paper	90	287
	Corrugated	2,985	3,374
	Other Paper	15,320	15,751
	Food Waste	1,565	1,507
	Auto Batteries	103	99
	Scrap Glass	2,820	2,715
	Subtotal	22,883	23,733
Municipal Recycling (Includes materials recycled by municipal recycling programs and materials collected at the curbside and delivered to the MSF)	Newspaper	2,300	4,556
	Corrugated	0	1,500
	Commingled Collection	4,720	8,444
	Glass		
	Aluminum		
	Tin/BI-Metal		
	Plastic Bottles		
Pre-Processing and Composting (Materials to be recycled at the Solid Waste Complex or at a regional facility)	Yard Waste (Composting)	10,924	14,942
	Subtotal	17,944	29,442
	Materials Recovered		
	Glass		300
	Aluminum		50
	Tin/BI-Metal		300
	Plastic Bottles		50
	Materials Composted		
	Newspaper		1,000
	Corrugated		1,000
	Other Paper		3,800
	Office Paper		500
	Kraft Paper		1,500
	Food Waste		7,600
	Miscellaneous Organics		3,800
	Subtotal	0	19,900
Total Quantity Recycled		40,827	73,075
Total Municipal Waste Generated		151,069	145,455
Percent Recycled		27%	50%

Notes:

- * Recycling tonnages are based on 1990 municipal recycling tonnage grant reports submitted by municipalities to New Jersey Department of Environmental Protection and Energy.

Table 5-1 shows that materials projected for composting consist of various paper materials, food waste, and miscellaneous organic materials. These materials are largely mixed together in a state that is unsuitable for recycling through private recycling or municipal recycling efforts.

5.2 60% Recycling for Total Solid Waste Stream

Attainment of the 60% recycling goal for Cumberland County will include the implementation of recycling programs that target components of bulky waste and other waste types. Recycling quantities for 1990 and targets for 1995 are provided in Table 5-2. This Table illustrates that in 1995, 75,046 tons, or 74% of bulky and other solid waste generated in the County are projected to be recycled.

The cumulative impact of recycling programs that target components of the municipal and vegetative waste stream, and components of the bulky and other solid waste stream in 1995 is projected to be 148,121 tons or 60% of gross discards of solid waste generated in 1995. Recycling targets identified in Table 5-1 and 5-2 are summarized in Table 5-3 using a mass balance format to identify specific recycling targets and recovery rates for each component of the waste stream. Table 5-3 illustrates how the implementation of the programs identified above could recycle individual components of the waste stream and achieve the 60% recycling goal of the total solid waste stream by 1995. Figures 5-1 and 5-2 illustrate existing and proposed recycling flow diagrams, respectively. Comparison of these tables illustrates a projected decrease in gross discards from 985 tpd in 1990 to 948 in 1995, increases in the quantity of material recycled from 380 tpd in 1990 to 681 tpd in 1995 and a substantial decrease in net discards requiring landfilling, from 605 tpd in 1990 to 379 tpd in 1995.

5.3 Solid Waste Quantities

Future solid waste tonnages have been estimated by calculating a per capita waste generation rate for gross discards and estimating future recycling rates. Gross discards was defined as the amount of solid waste generated prior to recycling. A per capita waste generation rate was based upon a review of historical tonnage data for solid waste delivered to the Solid Waste Complex from 1988 through 1991 and recycling quantities for 1988 through 1990. Annual solid waste generation rates for gross discards has been calculated by multiplying the per capita rate by the County's estimated population for a given year. Net discards, the amount of solid waste requiring disposal, has been estimated by subtracting the quantity of solid waste recycled from the quantity of gross discards generated per year. Municipal tonnage grant data

submitted to DEPE was used to estimate the quantity of materials recycled from 1988 through 1990. Recycling rates for future years are based on the implementation of the recycling programs identified in Section 5.0 for 1991 through 2010. Estimates for future gross discards and net discards are presented in Table 5-4.

Table 5-2
Cumberland County
Recycling Targets For Bulky and Other Solid Waste
(Type 13, 25, and 27 Waste)

Recycling Activity	Materials Targeted	Quantity Recycled	
		Current 1990* (Tons Per Year)	Projected 1995 (Tons Per Year)
Private Recycling (Includes materials recycled by private enterprises)	Wood and Lumber	13,085	12,748
	Other Wood Waste	3,271	5,359
	Scrap Plastic	3,326	3,202
	Concrete	14,583	14,041
	Asphalt	369	355
	Non-Ferrous Metal	3,754	3,614
	Junk Autos	13,419	12,920
	Tires	309	298
	Motor Oil	184	177
	Vineland Ash	0	3,000
	Subtotal	52,300	55,715
Municipal Recycling (Includes materials recycled by municipal recycling programs)	White Goods	5,536	5,330
	Subtotal	5,536	5,330
Bulky Waste Recycling (Materials to be recycled at the Solid Waste Complex)	Primary Materials Recovered		7,500
	Wood Waste		2,000
	Ferrous Metal		500
	Concrete		4,000
	Corrugated		
	Subtotal	0	14,000
Total Quantity Recycled		57,836	75,046
Total Bulky Waste Generated		104,980	101,079
Percent Recycled		55%	74%

Notes:

- * Recycling tonnages are based on 1990 municipal recycling tonnage grant reports submitted by municipalities to New Jersey Department of Environmental Protection and Energy.

Table 5-3
Cumberland County Recycling Targets 1990 - 1995

Material	Percent of Gross Discards(1)	Current Recycling Status (Tons/Year)			Projected Recycling Targets (Tons/Year)		
		Gross Discards 1990(2)	Quantity Recycled(3)	Percent Recycled	Gross Discards 1995	Quantity Recycled(4)	Percent Recycled
Newspaper	3.3%	8,491	2,300	27%	8,175	5,556	68%
Corrug. cardbd.	6.2%	15,847	2,985	19%	15,258	9,874	65%
Office paper	0.4%	1,106	90	8%	1,065	787	74%
Other paper	14.7%	37,680	15,320	41%	36,280	19,551	54%
Kraft paper	0.8%	2,125	0	0%	2,046	1,500	73%
Vegetative Waste	2.6%	6,554	3,271	50%	6,310	5,359	85%
Yard waste	7.4%	18,870	10,924	58%	18,169	14,942	82%
PET bottles	0.2%	610	56	9%	588	307	52%
HDPE containers	0.1%	370	0	0%	356	185	52%
Other plastics	3.5%	8,870	0	0%	8,540	0	0%
Food waste	4.8%	12,191	1,565	13%	11,738	9,107	78%
Tin cans	1.0%	2,494	92	4%	2,402	1,885	78%
Aluminum cans	0.4%	928	374	40%	894	671	75%
Other metal	3.9%	10,032	3,754	37%	9,659	5,614	58%
Glass containers	4.2%	10,852	4,199	39%	10,448	6,098	58%
Miscell. Inorganics	0.7%	1,848	0	0%	1,779	0	0%
Fines	0.6%	1,571	0	0%	1,512	0	0%
Textiles/rubber/leather	1.9%	4,805	0	0%	4,626	0	0%
Auto Batteries	0.0%	103	103	100%	99	99	100%
Motor Oil	0.1%	184	184	100%	177	177	100%
Wood & lumber	9.1%	23,193	13,085	56%	22,331	20,248	91%
Treated lumber	1.1%	2,702	0	0%	2,602	0	0%
Gypsum board & plaster	1.1%	2,751	0	0%	2,649	0	0%
Roofing	0.9%	2,260	0	0%	2,176	0	0%
Plastic	2.1%	5,488	3,326	61%	5,284	3,202	61%
Miscellaneous organics	4.0%	10,266	0	0%	9,885	3,800	38%
Carpet & padding	0.4%	933	0	0%	899	0	0%
Concrete	6.1%	15,664	14,583	93%	15,082	14,541	96%
Asphalt	0.4%	909	369	41%	876	355	41%
Blocks	0.1%	246	0	0%	237	0	0%
Dirt & dust	0.9%	2,211	0	0%	2,129	0	0%
Major Appliances	2.5%	6,469	5,536	86%	6,229	5,330	86%
Furniture	0.6%	1,523	0	0%	1,466	0	0%
Glass (Scrap)	2.0%	5,031	2,820	56%	4,844	2,715	56%
Food processing waste	0.9%	2,260	0	0%	2,176	0	0%
Junk Autos	5.2%	13,419	13,419	100%	12,920	12,920	100%
Tires	0.1%	309	309	100%	298	298	100%
Animal Waste	0.1%	249	0	0%	240	0	0%
Dry Industrial Waste	5.7%	14,636	0	0%	14,092	3,000	21%
Total	100%	256,049	98,664	39%	246,534	146,121	60%

(1) Percent of gross discards is derived by dividing the quantity landfilled plus the quantity recycled for each waste stream material by the total quantity of solid waste generated.
 (2) Based on actual tonnages received at the Solid Waste Complex during 1990, and a waste composition analysis conducted for the CCA by CDM in 1989 and 1990.
 (3) Based on 1990 municipal recycling tonnage grant reports submitted to NJDEP by municipalities.
 (4) Based on recycling targets provided in Tables 6-1 and 6-2.

Figure 5-1
Cumberland County
Existing Waste Flow Diagram
39% Recycling

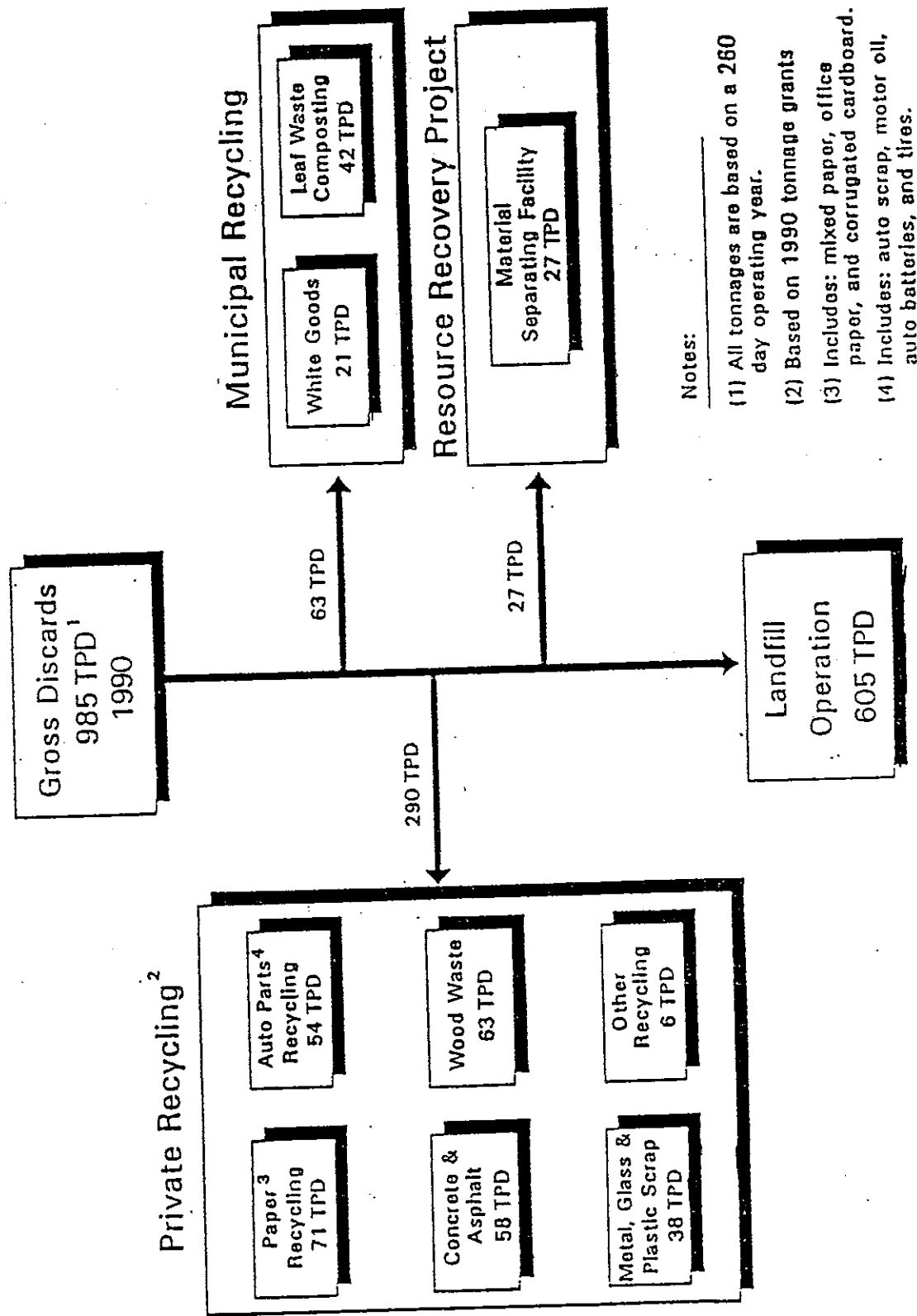


Figure 5-2
Cumberland County
Proposed Waste Flow Diagram
60% Recycling

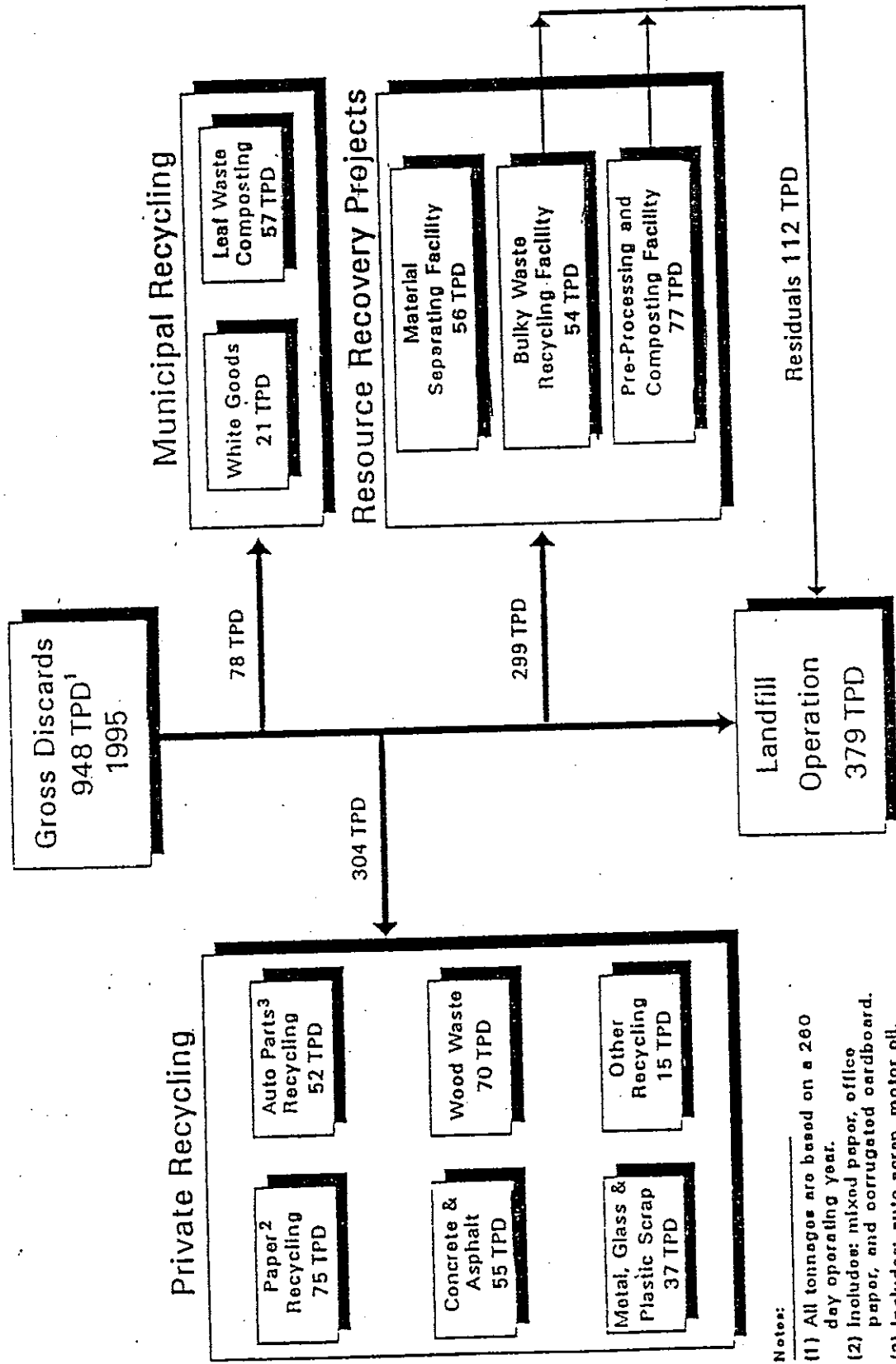


TABLE 5 - 4

CUMBERLAND COUNTY
GOALS FOR SOLID WASTE NET DISCARDS 1990 TO 2010
(TONS PER YEAR)

Year	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
Population(t)	137,016	137,534	138,053	139,602	141,311	142,940	144,569	146,198	146,987	147,777	148,568
Gross Discards of Solid Waste	256,548	258,218	256,049	235,512	238,293	241,040	243,787	246,534	247,865	249,196	250,527
(%) Recycled	37%	31%	39%	42%	46%	49%	54%	60%	60%	60%	60%
Recycling Quantities	94,389	78,975	98,664	99,362	109,674	118,109	131,645	148,121	148,719	149,518	150,316
Net Discards Requiring Disposal	162,159	179,243	157,385	136,150	128,619	122,930	112,142	98,413	99,146	99,678	100,211

Year	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Population(t)	149,356	150,145	151,827	153,508	155,190	156,871	158,553	159,251	159,948	160,646	161,343	162,041
Gross Discards of Solid Waste	251,858	253,190	256,025	258,861	261,697	264,532	267,368	268,544	269,721	270,897	272,073	273,250
(%) Recycled	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%
Recycling Quantities	151,115	151,914	153,615	155,317	157,018	158,719	160,421	161,127	161,832	162,538	163,244	163,950
Net Discards Requiring Disposal	100,743	101,277	102,410	103,544	104,679	105,813	106,948	107,418	107,888	108,360	108,829	109,300

Notes:

(1) Population estimates for 1989-1990 are based on U.S. Census data. Population projections for 1991-2010 are based on growth rates estimated by the Cumberland County Department of Planning and Development using the 1990 Census as a base year.

* Based on municipal recycling tonnage grant data submitted by municipalities to the NJDEPE.
 ** Net Discards Requiring Disposal at the Cumberland County Solid Waste Complex.

6.0 SOURCE SEPARATION PROGRAMS

The CCIA will implement a comprehensive strategy to enhance the County's recycling program in order to meet the 60% recycling goal established by the Task Force. This strategy will include a comprehensive approach which is described in the following sections.

6.1 Source Separation of Designated Recyclable Materials

6.1.1 Mandatory Residential Recycling

All residents are required to source separate the following designated recyclables:

1. Newspaper,
2. Commingled glass and metal food and beverage containers (GMFBC), and PET (SPI Code 1)¹ and high density polyethylene (HDPE, SPI Code 2) plastic bottles,
3. Corrugated cardboard, and
4. Leaf waste.

These requirements apply to single family homes where curbside collection is provided, apartment complexes, condominium complexes and mobil home parks. If curbside collection is not available, residents are required to deliver source separated recyclables to a drop-off site provided by the owner or manager of an apartment complex, condominium complex, or mobil home park as specified in Section 5.1.1 of Plan Amendment No. 4.

For the purpose of collecting these designated recyclable materials at the curbside residents must place commingled GMFBC, and PET and HDPE plastic bottles in a container supplied by the CCIA, and place newspaper and corrugated cardboard in separate paper bags or tie in separate bundles at the curbside. Each bundle shall not exceed thirty-five (35) pounds nor exceed one (1) foot in thickness.

The owner and or manager of every apartment complex, condominium complex, and mobil home park is responsible for providing a recycling drop-off site for designated recyclable

¹ Society of Plastic Industry Coding System.

materials and arrange for the collection of designated recyclable materials. These responsibilities must be fulfilled in accordance with Section 5.1.1.3 of Plan Amendment No. 4.

6.1.2 Mandatory Non-Residential Recycling

All commercial, institutional, and industrial establishments are required to source separate the following designated recyclable materials:

1. GMFBC, PET (SPI Code 1) and HDPE (SPI Code 2) plastic bottles,
2. Newspaper,
3. Corrugated cardboard, and
4. Leaf waste.

In addition to source separating the designated recyclables identified above, all non-residential establishments shall to the maximum extent possible source separate the following designated recyclable materials:

1. High grade paper, including and limited to white letterhead paper, white bond paper, white typing paper, white copier paper, white note pad paper, white writing paper, white envelopes without glassine windows, other non-glossy white office paper without plastic and computer printout paper;
2. Food waste generated by food service establishments and food sales establishments;
3. Mixed paper not included in item (1) above;
4. Any other metal or material unique to an establishment for which a market is available.

The arrangement for collection of designated recyclables for disposition hereunder shall be the responsibility of the establishment which generated the recyclables (generator) or the establishment contractually obligated to the generator to arrange for the collection and disposal of its solid waste. All GMFBC and PET and HDPE plastic bottles shall be delivered to the

MSF located at the Solid Waste Complex. Newspaper and corrugated cardboard can be delivered to the MSF or to an approved private recycling center. Other designated materials which are not accepted at the MSF shall be delivered to approved private recycling centers.

6.2 Adoption of a Revised Municipal Recycling Ordinance

All municipalities are required to adopt a revised municipal recycling ordinance. This revised ordinance must be consistent with a model ordinance to be prepared by the CCIA. This model ordinance shall include the following:

1. Revised standard definition section.
2. Source separation requirements for designated recyclable materials identified in Section 6.1.1 and 6.1.2.
3. Source separation requirements for leaf waste.
4. Enforcement provisions.

6.3 General Municipal Planning Responsibilities

In order to implement a strategy to attain a 60% recycling goal the CCIA will require municipalities to fulfill the following municipal recycling program planning requirements:

1. On an annual basis notify the CCIA that a municipal recycling coordinator has been appointed.
2. Provide documentation that the municipality has notified all persons occupying residential, commercial, and institutional premises once every six months of municipal recycling requirements as required under Section 6 of the Mandatory Source Separation and Recycling Act (P.L. 1987, c. 102). Notification shall be achieved by placing an advertisement in a newspaper of general circulation or with other official notifications periodically mailed to residents.

3. Revise the recycling plan element to each municipal master plan in accordance with the Mandatory Source Separation Act (P.L. 1987, c. 102, Sec. 25-29) and the Municipal Land Use Law (P.L. 1975 c. 291).
4. Provide documentation to the CCIA by March 1 each year of the enforcement actions taken by the municipality during the previous year.
5. Submit a copy of the municipality's annual recycling tonnage grant to the CCIA when it is submitted to DEPE.

6.4 Municipal Agreements

Prior to opening the Material Separating Facility the CCIA entered into municipal agreements with municipalities in Cumberland County. These municipal agreements provide for the delivery of commingled GMFBC and PET and HDPE plastic bottles and newspaper generated by residential units in each municipality to the MSF. Within one year of adoption of this Plan Amendment by the Commissioner of DEPE, corrugated cardboard will be accepted by the CCIA or directed to designated facilities, and corrugated cardboard will be included as a designated material in accordance with Section 2 of these agreements.

In order for the CCIA to plan for and process for recovery of designated materials at the MSF, the following policies are established for the delivery of designated materials to the MSF:

1. Each municipality in the County must sign an agreement for the acceptance and recycling of residentially generated newspaper, corrugated cardboard, GMFBC, and PET and HDPE plastic bottles.
2. Each municipality in the County signing a municipal agreement with the CCIA for the acceptance and recycling of these materials prior to January 1, 1996 shall not be charged a fee by the CCIA for the acceptance of these materials. (December 31, 1995 is the last day the resource recovery investment tax is levied against landfill operations).
3. Each municipality not signing a municipal agreement with the CCIA will be charged a fee at the MSF upon the delivery of these materials in accordance with rules and regulations adopted by the CCIA.

7.0 BULKY WASTE RECYCLING FACILITY

Pursuant to the "Certification of the July 18, 1991 Amendment to the Cumberland County District Solid Waste Management Plan," Cumberland County was directed to outline the capacity, implementation schedule, and markets for the bulky waste recycling facility identified in Amendment #8.

In 1991, the bulky waste stream (type 13 only) represented approximately 25% of all waste delivered to the CCIA's landfill. Based on the 1990 Composition Study it is estimated that 52% of the bulky waste stream can be recovered which consists of wood waste, cardboard, concrete, and scrap metal. If 78% of these materials are recovered and marketed, then 10% of the total solid waste currently delivered to the Solid Waste Complex will not require disposal in the landfill. Based on these assumptions, implementation of a bulky waste facility would result in "saving" approximately 400,000 cubic yards of additional air space over the life of the landfill. The estimated design capacity of the bulky waste recycling facility is 100 tons per day. This estimate is subject to change during the permitting and design of the facility.

7.1 Materials Markets

The market for bulky waste materials varies considerably from year to year. The CCIA requested their consulting engineer, Gannett Fleming, to prepare a study to evaluate current market conditions for concrete, scrap metal, cardboard, and wood waste. Six markets were identified in the study that accepted bulky waste. These potential markets are identified in Tables 7-1, 7-2, and 7-3. The report identified scrap metal as having the strongest market value of the four. It should be noted that market prices are very cyclical, and depend to a large degree on material quality.

7.2 Implementation Schedule

The proposed project schedule for the bulky waste recycling facility is presented in Table 7-4. Detailed design of the bulky waste recycling system will be initiated following completion of conceptual design and will require approximately six months to complete. Permitting is expected to require three months to complete. The construction phase for the facility can commence immediately upon receipt of a permit modification approval from DEPE and should take approximately ten to twelve months to complete.

Table 7-3

**Cumberland County Improvement Authority
Preliminary Bulky Waste Market Study
(Scrap Iron and Corrugated Cardboard)**

Market	Material	Market Price(1)
Cumberland Recycling Corp. Vineland, NJ (609)692-7650	Corrugated Cardboard	\$12/ton
Giordano Vineland Vineland, NJ (609)696-2068	Corrugated Cardboard	\$5 - \$15/ton
John's Scrap Iron & Metal Bridgeton, NJ (609)451-2618	Steel	\$25-\$30/ton
	Cast Iron	\$25/ton
	Light Iron (White Goods)	\$0.00
Levin & Son, Inc. Vineland, NJ (609)692-7809	Steel & Iron	\$30/ton
	Light Iron (White Goods)	\$13-\$18/ton
Luciano Brothers Millville, NJ (609)825-4153	Steel	\$15-\$43/ton
C&R Waste Disposal Trenton, NJ (609)393-1645	Corrugated Cardboard	\$4/ton
	Light Iron (White Goods)	\$30/ton
	Steel	\$50-\$60/ton
Paper Recycling Corp. Newark, NJ (201)772-0253	Corrugated Cardboard	\$0.00
Zozzaro Brothers, Inc. Clifton, NJ (201)772-0253	Corrugated Cardboard	Balled: \$10/ton

Note:

- 1) Market Price - Revenue Received For Recyclable Materials.

TABLE 7-4

BULKY WASTE RECYCLING FACILITY

PROPOSED PROJECT SCHEDULE

<u>Activity</u>	<u>Start</u>	<u>Complete</u>
Prepare Plans and Specification and Submit Solid Waste Facility Permit Application	January 4, 1993	July 1, 1993
Process Solid Waste Facility Permit Modification and Receive DEPE Approval	July 1, 1993	October 1, 1993
Advertise for Bid, Award Contract, and Mobilize for Construction	October 1, 1993	January 1, 1994
Construct Facility and Begin Operations	January 1, 1994	October 1, 1994

8.0 RECYCLING FACILITIES

8.1 Background

On October 1, 1991 DEPE adopted rules set forth in N.J.A.C. 7:26A to implement the New Jersey Statewide Mandatory Source Separation and Recycling Act, N.J.S.A. 13:1E-99.11 et. seq. The Act provides for regulatory oversight of recycling activities and prior approval of recycling centers which receive recyclable materials other than source separated metal, glass, paper, plastic containers, and cardboard. Under these regulations recycling centers are divided into two categories depending upon the type of material delivered to the recycling center. The definitions of Class A recyclable material and Class B recyclable material are as follows:

Class A recyclable material means a source separated non-putrescible recyclable material specifically excluded from DEPE approval prior to receipt, storage, processing or transfer at a recycling center in accordance with N.J.S.A. 13:1E-99-34b, which material currently includes source separated non-putrescible metal, glass, paper, plastic containers, and corrugated and other cardboard.

Class B recyclable material means a source separated recyclable material which is subject to DEPE approval prior to receipt, storage, processing or transfer at a recycling center in accordance with N.J.S.A. 13:1E-99-34b, and which includes, but is not limited to, the following:

1. Source separated non-putrescible waste, concrete, asphalt, brick, block, asphalt-based roofing scrap, and wood waste;
2. Source separated non-putrescible waste materials other than metal, glass, paper, plastic containers, corrugated and other cardboard resulting from construction, remodeling, repair and demolition operations on houses, commercial buildings, pavements and other structures;
3. Source separated whole trees, tree trunks, tree parts, tree stumps, brush and leaves provided that they are not composted;
4. Source separated scrap tires;

5. Source separated petroleum contaminated soil that is delivered to a non-mobile in-State asphalt plant, concrete production plant or brick making facility for incorporation as a raw material in its production process; and
6. Source separated petroleum contaminated soil which is processed at its point of generation by mobile recycling equipment which produces asphalt, concrete or bricks by incorporating source separated petroleum contaminated soil as a raw material in its mobile production process.

If Class B recyclable materials are received, stored, processed or transferred in addition to Class A recyclable materials the recycling center must receive approval to handle Class B recyclable materials. Only source separated material can be received at recycling centers under these regulations. If non-source separated material is received at a recycling center the center must be permitted as a solid waste facility.

Depending upon the type of material received and the intended use of the material, each recycling center has different requirements for DEPE approval and inclusion in the applicable county solid waste management plan. Presented in Table 8-1 is a summary of many of the recycling categories and their requirements.

Cumberland County has had a strong private sector recycling industry for many years. Tables 8-2 and 8-3 provide a current listing of recycling centers that accept Class A and Class B recyclable materials. The locations of these recycling centers are shown in Figures 8-1 and 8-2.

The CCIA expects that the quantity of material handled by these facilities will increase as markets expand and new solid waste and recycling policies of the County and State result in increased amounts of material being diverted from the solid waste stream.

In response to requests from private recycling centers for inclusion into the County Plan, and the adoption of new regulations by DEPE, the County has developed a recycling center approval process for inclusion in the County Plan. The County will evaluate new recycling centers in terms of consistency with the approved Cumberland County Solid Waste Management Plan, public need, and regulatory compliance. Furthermore, the Commissioner of DEPE has requested that the County consider the establishment of a "blanket inclusion policy" for private recycling centers, material markets, and minor program policies.

TABLE 8-1
STATE AND COUNTY APPROVAL OF RECYCLING CENTERS
(N.J.A.C. 7:26A-1.1 et. seq.)

Recycling Center Classification	Recycling Center Type	County Plan	DEPE Requirements
Class A Materials Source separated metal, glass, paper, plastic containers, and corrugated and other cardboard	Materials Separation Facilities	Inclusion (N.J.A.C. 7:26A-4.2)	Operational Standards (N.J.A.C. 7:26A-4.1)
	Scrap Processors	Inclusion (N.J.A.C. 7:26A-4.2)	Operational Standards (N.J.A.C. 7:26A-4.1)
	Manufacturers	Exempt (N.J.A.C. 7:26A-1.3)	Exempt Criteria (N.J.A.C. 7:26A-1.4)
Class B Materials Source separated concrete, asphalt, brick, asphalt based roofing scrap, wood waste, construction debris	Materials Recovery/Separation Facilities	Inclusion (N.J.A.C. 7:26A-4.2)	General Approval (N.J.A.C. 7:26A-3.2)
	Source Separated Petroleum Contaminated Soil	Inclusion (N.J.A.C. 7:26A-4.2)	General Approval (N.J.A.C. 7:26A-3.2)
	Recycling Centers Operating Less than 6 Months	Exempt (N.J.A.C. 7:26A-4.2)	Limited Approval (N.J.A.C. 7:26A-3.7)
Recycling Centers Not Required to Obtain DEPE or County Plan Approval to Accept Class B Materials	Manufacturers	Exempt (N.J.A.C. 7:26A-1.4)	Exempt Criteria (N.J.A.C. 7:26A-1.4)
	Asphalt Plants (Process Milled or Broken Asphalt)	Exempt (N.J.A.C. 7:26A-1.4)	Exempt Criteria (N.J.A.C. 7:26A-1.4)
	On-Site Oil Contaminated Soil Processing	Exempt (N.J.A.C. 7:26A-1.4)	Exempt Criteria (N.J.A.C. 7:26A-1.4)
	Tire Retreaders or Remolders (1)	Exempt (N.J.A.C. 7:26A-1.4)	Exempt Criteria (N.J.A.C. 7:26A-1.4)
	Temporary Storage for 2 Months (Except Scrap Tires, Leaves, and ID 27 Soil)	Exempt (N.J.A.C. 7:26A-1.4)	Exempt Criteria (N.J.A.C. 7:26A-1.4)
	Tire Recycling Centers (Accept Less Than 5,000 Tires/Month)	Exempt (N.J.A.C. 7:26A-1.4)	Exempt Criteria (N.J.A.C. 7:26A-1.4)
	Small Scale Recycling of Tree Parts and Brush (2)	Exempt (N.J.A.C. 7:26A-1.4)	Exempt Criteria (N.J.A.C. 7:26A-1.4)
		Exempt (N.J.A.C. 7:26A-1.4)	Exempt Criteria (N.J.A.C. 7:26A-1.4)

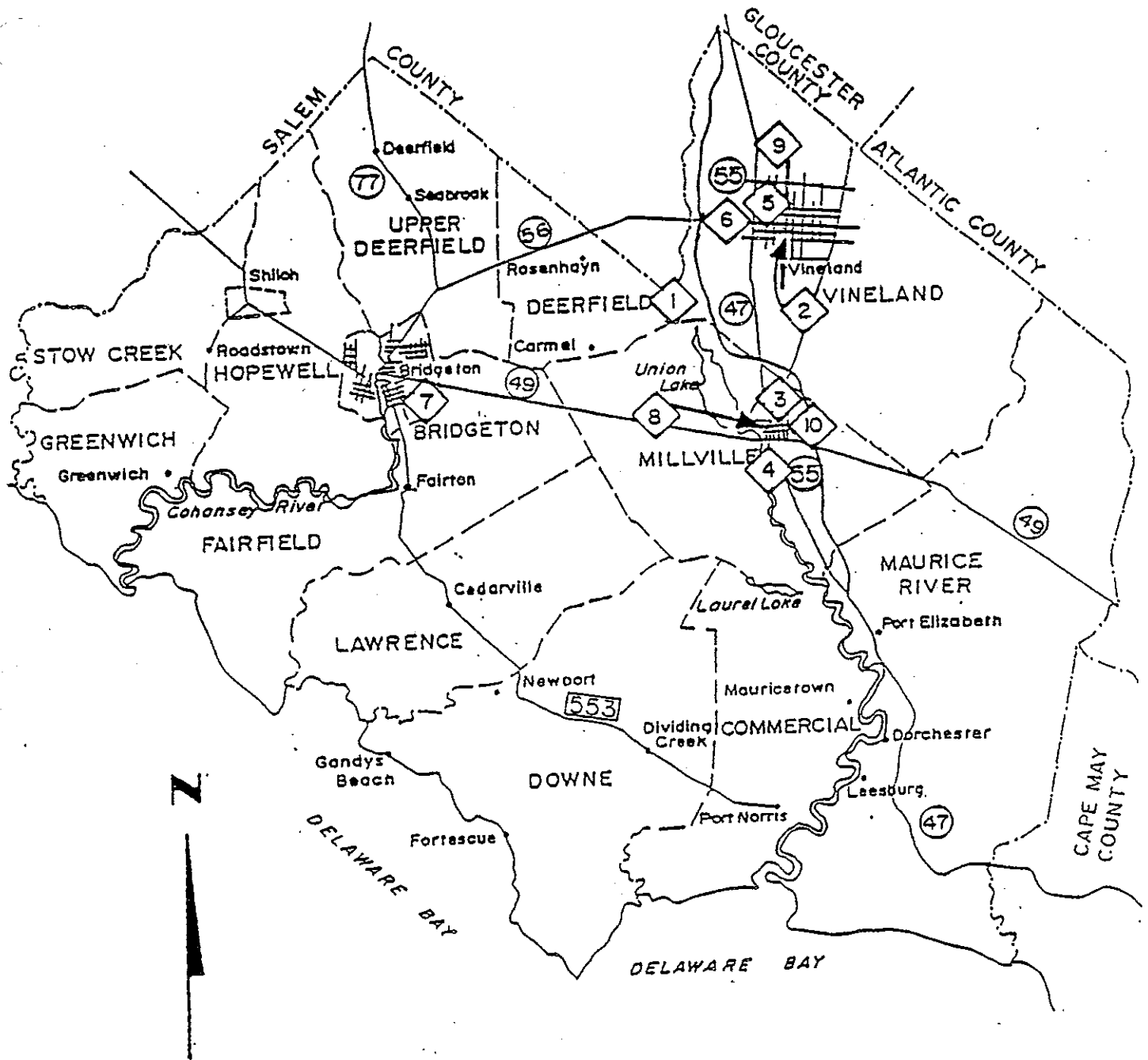
- (1) Provided that only the amount of material which the equipment on-site is capable of processing within a two month period is stored on-site, and storage of material on-site shall not exceed one year.
- (2) Provided that only the amount of material which the equipment on-site is capable of processing within a one month period is stored on-site, and storage of material on-site shall not exceed one year.

TABLE 8-2

Cumberland County Recycling Facilities That Accept Class A Materials For Recycling

Site Location Number(1)	Recycling Center Name	Mailing Address	Municipality	Block & Lot No.	Materials Accepted For Recycling
1	Cumberland County Improvement Authority Materials Recovery Facility	2 West Vine Street Millville, NJ 08332	Upper Deerfield Twp.	76-14	Glass, Aluminum, Metal cans, PET and HDPE Plastic Bottles, Newspapers, and Corrugated Cardboard
2	Cumberland Recycling Corp. (Luciano Brothers)	702 Southwest Blvd. Vineland, NJ 08360	Vineland	233-33,34	Corrugated Cardboard
3	Cumberland Recycling Corp. (Luciano Brothers)	N. Delsea Drive & Penn Rd. Millville, NJ 08332	Millville	718-20	Glass, White Goods, Steel, Scrap Metal, Cast Iron
4	Foster Forbes Glass Mfg. Co.	328 S. Second Street Millville, NJ 08332	Millville	154-95A	Glass Bottles Color and Clear, Separated
5	Gagliardi Demolition & Excavating Company	318 Cherry Street Vineland, NJ 08360	Vineland	Not Available	Ferrous, and Non Ferrous Scrap Metals
6	Giordano Vineland Scrap Metal	110 North Mill Rd. Vineland NJ 08360	Vineland	398-2	Scrap Metals, Glass, Plastic Wastepaper, Newspaper, Corrugated Cardboard
7	John's Scrap Iron & Metal	162 S. Pearl Street Bridgeton, NJ 08302	Bridgeton	Not Available	Scrap Metal, Iron, Steel Aluminum Cans
8	Kane Brothers Scrap Metal	100-120 Buck Rd. Millville, NJ 08332	Millville	417-2 46-14	Ferrous and Non-Ferrous Metals
9	Levin & Sons, Inc.	2050 Northwest Blvd. Vineland, NJ 08360	Vineland	158-7	Scrap Iron, Non-Ferrous Metals, Aluminum Cans, White Goods
10	Wheaton Plastics Recycling	1101 Wheaton Ave. Millville NJ 08332	Millville	Not Available	Plastic Containers

(1) Refer to Figure 8-1 for site locations.



- Unincorporated Towns
- Municipal Boundaries
- (55) State Highways
- 553 County Highways
- 1 RECYCLING CENTER

FIGURE 8-1

CUMBERLAND COUNTY RECYCLING CENTER LOCATIONS CLASS-A MATERIALS

0 1 2 3 4
SCALE IN MILES

GANNETT FLEMING, INC.
KING OF PRUSSIA, PENNSYLVANIA

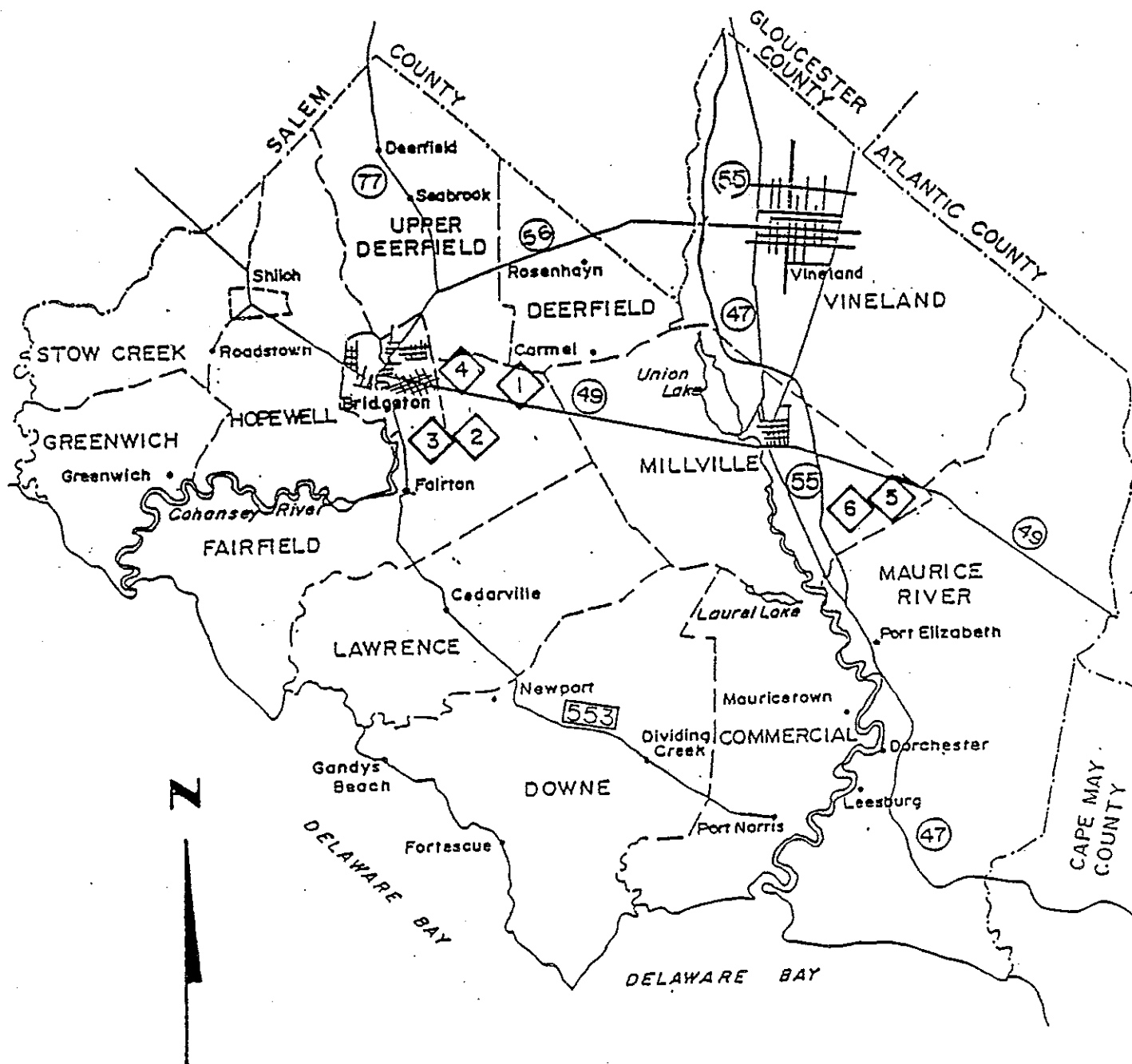
MAY, 1991

TABLE 8-3
Cumberland County Recycling Facilities
That Accept Class B Materials For Recycling

Site Location Numbers(1)	Recycling Center Name	Mailing Address	Municipality	Block & Lot No.	Materials Accepted For Recycling(2)
1	Likanchuk's Inc.	RD#1 Rte. 49 Millville, NJ 08332	Fairfield Twp.	5-40,43,44,45	Concrete, Asphalt, Brick, Stone, and Wood Waste
2	J.E.D. Fleet Services	Fairton-Bridgeton Rd. P.O. Box 142 Fairton, NJ 08320	Fairfield Twp.	Not Available	Tires
3	Thompson's Paving, Inc.	RD#7 P.O. Box 342 Bridgeton, NJ 08302	Bridgeton	24-26	Concrete
4	South State Inc.	Reeves Road Bridgeton, NJ 08302	Fairfield Twp.	1-30,22,28	Concrete, Block, Brick, & Asphalt
5	Energy & Minerals, Inc.	1 South Jersey Plaza Folsom, NJ	Millville	257-6,7	Concrete, Asphalt, Demolition debris, Brick, and Wood Waste
6	Easmunt Paving Inc.	2103 Cumberland Road Millville, NJ 08332	Millville	487-1,2 and 489-2	Concrete, Block, Brick, & Asphalt
Not Applicable	Winzinger Recycling	1704 Marne Highway Hainesport, NJ 08036	Mobile Unit	Not Applicable	Wood Waste

(1) Refer to Figure 8-2 for site locations.

(2) Concrete may include rebar.



- Unincorporated Towns
- Municipal Boundaries
- (55) State Highways
- 553 County Highways
- ◇ 1 RECYCLING CENTER

FIGURE 8-2
CUMBERLAND COUNTY
RECYCLING CENTER LOCATIONS
CLASS-B MATERIALS

0 1 2 3 4
 SCALE IN MILES

8.2 Policy for Approval of Recycling Centers Accepting Class A Recyclable Materials

The policy of the Cumberland County Solid Waste District is that any application for a recycling center accepting Class A recyclable material (as defined above) is consistent with the Cumberland County Solid Waste Management Plan and no further plan modification is required to include the facility or site, provided that each of the following requirements are satisfied by the applicant:

1. The applicant has held a pre-application meeting with the County Solid Waste Coordinator.
2. The host municipality and the County Solid Waste Coordinator are notified in writing of the request to be included in the Cumberland County Solid Waste Management Plan and each receives a full copy of the application which includes the following:
 - a. The name, address and telephone number of the person or persons to own and operate the recycling center and the address of the proposed recycling center if different from the above;
 - b. A description of the geographic location of the recycling center identified by the name of the municipality in which the recycling center is located, by a tax map showing the lot and block numbers of the recycling center site and of all adjoining properties, and by a zoning map showing the current land use of the recycling center site and of all adjoining properties;
 - c. The owner or owners of the property, if different from the owner of the recycling center;
 - d. A listing of the materials, including contaminants, to be received, stored, processed, or transferred at the recycling center;
 - e. The geographic location of where these materials are generated, by municipality and state;

- f. The maximum amount of each material expected to be processed at the facility per day or per week;
 - g. Estimated amount of contaminants or residue material requiring disposal;
 - h. The name, address, and telephone number of planned end markets for materials received, stored, processed or transferred by the recycling center;
 - i. Indicate the routing of vehicles between the recycling center and all nearby roadways serving the site;
 - j. Demonstrate how the applicant will comply with N.J.A.C. 7:26A-4.1 which provides operational standards and general rules for recycling centers which receive, store, process or transfer Class A recyclable material; and
 - k. Or any information deemed necessary by the County Solid Waste Coordinator to make a complete review of the application.
- 3. An application fee is submitted to the CCIA in accordance with an application fee schedule adopted by the CCIA.
 - 4. The applicant shall publish a notice in a newspaper of general circulation within the host municipality which indicates that the applicant will apply to the County for inclusion of a recycling center in the Cumberland County Solid Waste Management Plan. The notice shall include the following:
 - a. The name of the proposed recycling center, the name of the owner or operator of the proposed recycling center and the nature of the project;
 - b. The generally recognized address of the proposed recycling center as well as the block and lot of the proposed recycling center;
 - c. An indication that a copy of the application for County Plan inclusion may be examined at the office of the County Solid Waste Coordinator or at the applicable municipal clerk's office; and

- d. All comments regarding the application for County Plan inclusion must be submitted within 30 days of the last public notice. Comments must be submitted to the County Solid Waste Coordinator at the following address:

Cumberland County Improvement Authority
2 West Vine Street
Millville, New Jersey 08332

The applicant will publish two (2) notices of the proposed application, once each week for two (2) consecutive weeks.

5. The applicant shall forward a copy of the notice to the Clerk of the Board of Chosen Freeholders, the County Solid Waste Coordinator, and the DEPE, Division of Solid Waste Management, Office of Recycling, and to the municipality in which the recycling center will be operating, upon its publication.
6. No objections to the site location are raised by the host municipality, the Solid Waste Management District, the Pinelands Commission, if applicable, or any other person; provided further however, that if any such objection be raised, the proposed site and facility must be subject to the formal plan amendment process pursuant to N.J.S.A. 13:1E-23 and 24, including notice, public hearing, approval by the Board of Chosen Freeholders, and subsequent DEPE approval.
7. Once the applicant has satisfied the procedural requirements, (submission requirements, newspaper notice, etc.) outlined in items 1 through 6 above and there are no objections raised, the CCIA will submit a letter to DEPE stating the proposed recycling center is approved and is consistent with the County Plan. The CCIA may notify DEPE that the proposed application is approved, or approved with conditions, or rejected.

DEPE requires that all recycling centers accepting Class A recyclable materials comply with operational standards set forth in N.J.A.C. 7:26A-4.1. Any applicant requesting inclusion in the County Plan for a recycling center for Class A recyclable materials should be familiar with these operational standards and how the applicant will comply with these standards prior to submitting and application to the County Solid Waste Coordinator.

8.3 Policy for Approval of Recycling Centers Accepting Class B Recyclable Materials

The policy of the Cumberland County Solid Waste Management District is that any application for a recycling center accepting Class B recyclable material is consistent with the Cumberland County Solid Waste Management Plan and no further plan modification is required to include the facility or site, provided that each of the following requirements are satisfied by the applicant:

1. The applicant has held a pre-application meeting with the County Solid Waste Coordinator.
2. The host municipality and the County Solid Waste Coordinator are notified in writing of the proposed application and each receives a full copy of the complete DEPE application including all engineering design, reports, maps, etc., which DEPE required of the applicant, for approval of recycling centers for Class B recyclable materials as set forth in N.J.A.C. 7:26A-3 or any information deemed necessary by the County Solid Waste Coordinator to make a complete review of the application.
3. An application fee is submitted to the CCIA in accordance with an application fee schedule adopted by the CCIA.
4. The applicant shall publish a notice in a newspaper of general circulation within the host municipality which indicates that the applicant will apply to Cumberland County for inclusion of a recycling center in the Cumberland County Solid Waste Management Plan and will apply to DEPE for recycling center approval. The notice shall include the following:
 - a. The name of the proposed recycling center, the name of the owner or operator of the proposed recycling center and the nature of the project;
 - b. The generally recognized address of the proposed recycling center, as well as the block and lot of the proposed recycling center; and

- c. An indication that a copy of the application for County Plan inclusion may be examined at the office of the County Solid Waste Coordinator or at the applicable municipal clerk's office; and
- d. An indication that comments regarding the application for county plan inclusion can be made at the public hearing which shall be held by the Board of Chosen Freeholders, or submitted to the office of the County Solid Waste Coordinator.

The notice shall be published two times by the applicant with the second publication being no less than 15 days prior to the public hearing held by the Board of Chosen Freeholders. The applicant shall forward a copy of the notice to the Chairman of the Solid Waste Advisory Council, the Clerk of the Board of Chosen Freeholders, and the Solid Waste Coordinator, New Jersey Department of Environmental Protection and Energy, Division of Solid Waste Management, Office of Recycling, and to the municipality in which the recycling center will be operating, upon its publication. Proper mailing addresses can be received by contacting the:

Cumberland County Improvement Authority
Two West Vine Street
Millville, New Jersey 08332
(609) 825-3700

- 5. A public hearing is held on the application by the Board of Chosen Freeholders.
- 6. No objections to the site location are raised by the host municipality, the Solid Waste Management District, the CCIA, or any other person; provided further however, that if any such objection is raised, the proposed site and facility must be subject to the formal plan amendment process pursuant to N.J.S.A. 13:1E-23 and 24 including notice, public hearing, approval of the Board of Chosen Freeholders, and subsequent DEPE approval prior to construction and operation of the facility.

7. Once an applicant has satisfied the procedural requirements outlined in items 1 through 6 above and no objections are raised, the CCIA may notify DEPE that items 1 through 6 have been satisfied and that the application is approved for inclusion in the County Plan. The CCIA may notify DEPE that the proposed application is approved, or approved with conditions, or rejected. The CCIA can also make recommendations to DEPE regarding the term of approval, performance bonds, and any other matter regarding the facility's operation or DEPE approval.

9.0 REGIONALIZATION

The Certification of the July 18, 1991 Amendment to the Cumberland County Solid Waste Management Plan required that the County should "...determine the extent to which it can undertake long-term regionalization of its solid waste facilities and programs with other districts to provide regional solutions to solid waste management."

The County has identified three ways in which regionalization may be fostered. These include; expanding the use of the CCIA's MSF, constructing a bulky waste recycling facility with sufficient capacity to handle the bulky waste from counties willing to participate with Cumberland County on a regional basis, and working with neighboring counties to make available regional compost capacity for Cumberland County.

9.1 Material Separating Facility

The MSF accepts recyclables from municipalities located within Cumberland County. During its first year of operation, the MSF operated below its design capacity.

The CCIA will consider regionalizing the MSF by accepting commingled recyclables generated outside the County provided that the commingled recyclables meet minimum quality standards set by the CCIA. The quantity of commingled material accepted from other counties will be dependent upon available processing capability at the MSF and market conditions for recyclables. In order to investigate the use of the MSF as a regional facility, the CCIA has held discussions with representatives from Salem and Gloucester Counties as a first step in the regionalization of recyclable processing.

The CCIA has entered into a regional agreement with Atlantic County for the marketing of newspaper and processing of glass cullet. Newspapers collected in Cumberland County are transported to Atlantic County where they are baled for export. In return, the CCIA accepts contaminated glass cullet from Atlantic County, the uses of which are being evaluated. One potential use under investigation is using the cullet as daily and intermediate landfill cover.

9.2 Bulky Waste Recycling Facility

The proposed bulky waste recycling facility can be designed to incorporate bulky waste from other counties. As required by DEPE Guidelines, the CCIA will investigate the regional

use of the bulky waste recycling facility. As this facility is still in the initial planning stage, the CCIA can expand the facility to meet regional needs.

9.3 Regional Compost Facility

The utilization of a solid waste composting system has the capability of significantly reducing waste loading at the landfill. Currently, both Cape May and Atlantic Counties have solid waste composting projects in the pre-construction phase. Cumberland County is evaluating the potential for regionalization along with solid waste authorities in each of these counties.

10.0 FUNDING OF SOLID WASTE SYSTEM

10.1 Introduction

The CCIA is responsible for providing funding for solid waste and recycling facilities at the Solid Waste Complex. Sources of revenue available to the CCIA are from solid waste tipping fees, the sale of recyclable materials, and state grants and taxes. The 1991 Solid Waste System Revenue Bonds (1991 Bonds) issued by the CCIA are being used to finance the acquisition and construction of improvements to the CCIA's Solid Waste System. Included in this bond issue is funding for a bulky waste recycling facility, a leachate pretreatment facility, the purchase of land adjacent to the Solid Waste Complex, and new underground storage tanks.

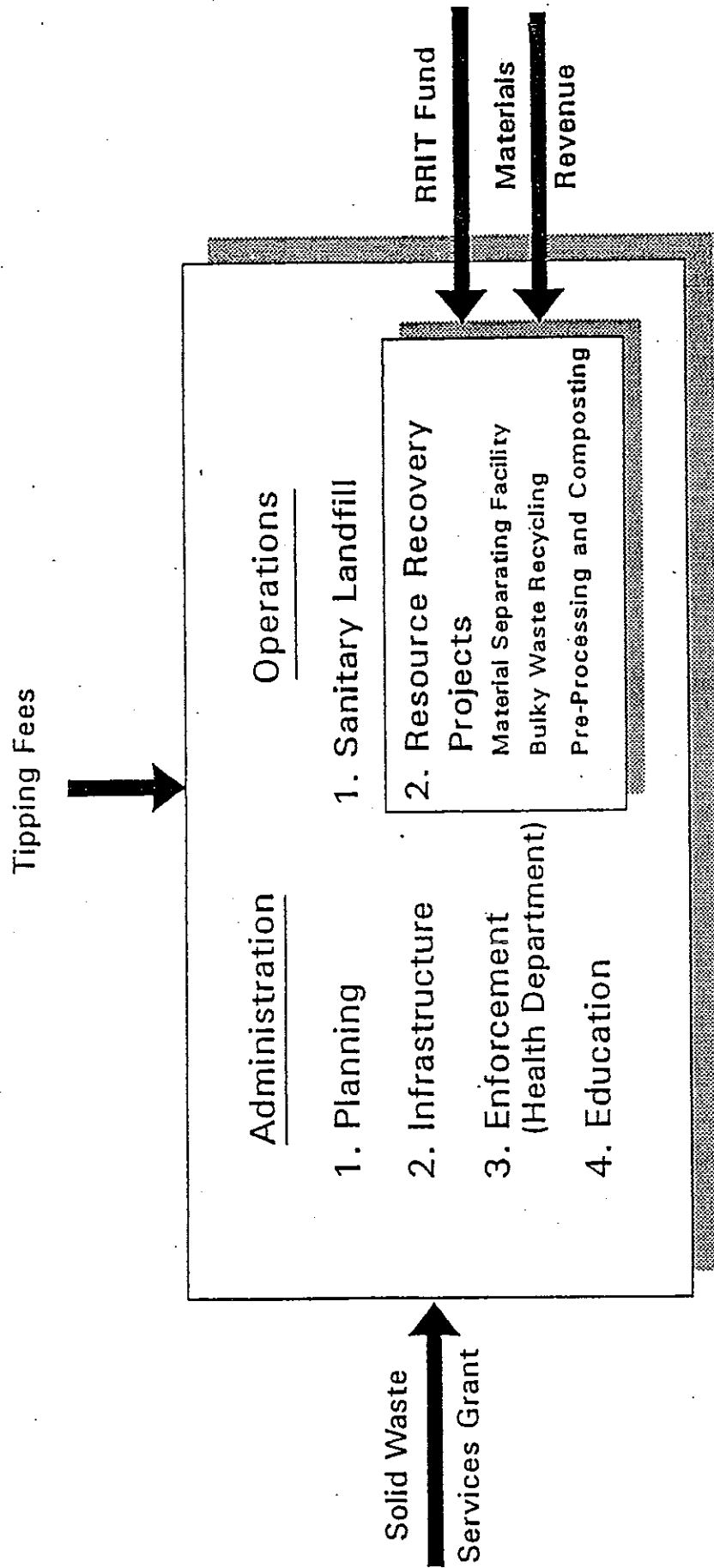
The CCIA Solid Waste System (System) includes both operation and administrative functions. Operations include the landfill and resource recovery projects, which in turn includes the MSF, the proposed bulky waste recycling facility, and the pre-processing and compost facility. Administration includes planning, infrastructure, enforcement (responsibility of the Cumberland County Health Department), and education.

Indebtedness of the CCIA, including administration and operation functions are paid for through the collection of solid waste tipping fees. The solid waste tipping fee in the County has remained low relative to other solid waste systems in the State due, in part, to the utilization of funding through the following state programs:

1. Resource Recovery Investment Tax Fund
2. Solid Waste Services Tax Grant
3. Recycling Grants
4. Resource Recovery Implementation Planning Grant

Figure 10-1 illustrates the relationship between the system, tipping fees, materials revenue and state funding programs. Revenue from tipping fees are used to support both administrative and operational functions of the system. RRIT funds and material revenue from the sale of recyclables will specifically be used to support resource recovery projects, which include the MSF, the proposed bulky waste recycling facility, and the proposed pre-processing and composting projects. Monies received from the State in the form of the Solid Waste Services Grants will be used for planning and other activities associated with implementing the County Plan.

Figure 10-1
Cumberland County Improvement Authority
Solid Waste System Under
1991 Bond Resolution



Through cooperation with DEPE the County proposes that the use of state funding continue, that new programs be developed to fund future solid waste and recycling facilities and technical assistance programs outlined in the County Plan and this Amendment.

10.2 Solid Waste Tipping Fee

The solid waste tipping fee is established during a rate proceeding conducted by DEPE. The fee is computed on the basis of projections of the anticipated tonnage of solid waste which is expected to be generated and disposed in the County during the test year established.

Tipping fees are collected so as to be sufficient to provide for the payment of, at a minimum, (a) the CCIA's cost of operating and maintaining the system and (b) payment of debt service on obligations of the CCIA used to finance a portion of the costs of the system, including the 1991 Bonds.

Tipping Fee for Source Separated Material

A tipping fee may be charged for source separated material processed and/or marketed through the System provided that it is not in conflict with existing municipal agreements and meets one of the following conditions:

1. The source separated recyclable material was generated outside the Cumberland County Solid Waste District.
2. The cost of handling, processing, and/or marketing the material exceeds the revenue received.

Source separated materials include: commingled glass, metal, and plastic food beverage containers, newspaper, corrugated cardboard, household hazardous waste, tires, bulky waste, white goods and/or other material designated by the CCIA.

10.3 Sale of Material

The marketing and sale of recyclables that are processed/collected by the CCIA is a critical step in the recycling process. Revenue will be derived from the following sources; MSF operations, bulky waste recycling, and pre-processing and composting. The CCIA will sell glass (all colors), aluminum, tin and bi-metal cans, plastic (mixed PET and HDPE) newspapers, and corrugated cardboard. Bulky waste markets have been summarized in Section 7.1 of this report. Markets for pre-processing and composting are presently undetermined and will be finalized prior to implementation of this technology.

11.0 RESOURCE RECOVERY INVESTMENT TAX FUND

11.1 Purpose and Background

Assembly Bill No. 1778, (The McEnroe Bill) became effective on May 1, 1985. This bill required every owner or operator of every sanitary landfill in New Jersey to levy a Resource Recovery Investment Tax (RRIT). The tax was established at a rate of \$1.00 per ton in 1988 and will continue until December 31, 1995.

Each County must create a District Resource Recovery Investment Fund which shall be the depository for monies appropriated to each County by the Department of Treasury, and shall be administered by the governing body of each County. The Bill provides that funds in the Resource Recovery Investment Fund only be expended for the following purposes:

1. To reduce the rates charged to all users by a resource recovery facility serving the county in order to provide a gradual transition to resource recovery facility rates from sanitary landfill facility rates. A resource recovery facility is defined by DEPE as, "any place, equipment, device or plan designed and/or operated to separate or process solid or liquid waste into useable secondary materials, including fuel and energy." A county may achieve reductions through the use of moneys in its district investment tax fund to pay directly part of the fees charged for disposal to all users of a resource recovery facility;
2. To design, finance, construct, operate or maintain environmentally sound state-of-the-art sanitary landfill facilities to be utilized for disposing of those solid wastes which cannot be processed by a resource recovery facility or the waste products resulting from the operation of a resource recovery facility;
3. To design, finance, construct, operate or maintain environmentally sound state-of-the-art sanitary landfill facilities to be utilized for disposal of solid waste, on a long-term basis, if a county can demonstrate to the satisfaction of the DEPE that utilization of a resource recovery facility is not feasible for disposal of the solid waste generated in that county;
4. To finance the closing costs for the proper closure of any terminated sanitary landfill facility located within a county whenever that county has made an

investment tax rate adjustment for this purpose in accordance with the study conducted pursuant to section 11 of this amendatory and supplementary act; and

5. To administer the investment tax fund, up to an amount not to exceed 2% of the total moneys appropriated to the fund during the fiscal year.

Prior to any disbursement of any funds in its district investment tax fund, each county must prepare a plan which shall outline the proposed uses of moneys in the district investment tax fund. Each plan must be adopted as an amendment to the district solid waste management plan pursuant to N.J.S.A. 13:1E-1 et.seq.

11.2 Resource Recovery Investment Tax Fund Use

The operation of the CCIA's MSF is an essential component to Cumberland County's recycling strategy. The MSF provides a secure market for the source separated recyclables that are collected by the individual municipalities in Cumberland County, and provides tangible evidence of the County's commitment to recycling. However, due to unstable market conditions, and lower than expected throughput, annual operating costs at the MSF have not been offset by annual revenues. The CCIA, with DEPE approvals, has used RRIT to subsidize the operations of the MSF.

Consequently, Amendment #8 provided for the disbursement of \$400,000 per year in RRIT funds to cover certain operating costs associated with the MSF. However, the CCIA has identified the need to provide a flexible funding source for all of its resource recovery projects in order to compensate for fluctuating recycling markets. Furthermore, expanding the use of RRIT funds to items noted below will assist the County in meeting the DEPE's 60% recycling goal.

- Operations Cost of MSF
- Bulky Waste Recycling Facility
- Pre-Processing and Composting

The selection and use of the bulky waste recycling facility was approved by DEPE in the Certification of the July 18, 1991 Amendment to the Cumberland County Solid Waste Management Plan. Pre-processing of solid waste, as part of a regional compost facility, will

be located at the County Solid Waste Complex (Block 76, lots 14, 15, 16, 18 and 19) in Deerfield Township.

The selection and use of a mixed waste composting system will be finalized once regionalization discussions between representatives of Cumberland County, Salem County, Gloucester County, and Atlantic County are concluded.

11.3 Resource Recovery Investment Tax Disbursement Schedule

The CCIA proposes to revise the disbursement of RRIT funds as part of its plan to refinance the CCIA's long term debt. The CCIA's need to refinance stems from the decreasing amounts of solid waste that was delivered to the CCIA Landfill over the most recent three years as follows:

<u>Year</u>	<u>Tonnage</u>
1989 (Actual)	179,279
1990 (Actual)	157,385
1991 (Actual)	136,150
1992 (Projected)	128,619

As shown above, in 1990, the landfill received 21,894 tons less than it received in 1989. This represents a twelve percent decrease from 1989 to 1990. In 1991 the quantity of solid waste delivered to the landfill decreased by over thirteen percent from 1990 figures.

These reductions can be attributed to a decrease in local construction activity combined with an increase in the County's recycling rate. Due to the decrease in tonnage received, landfill revenue has declined. Lower landfill volume also reduces the amount of revenue to the District RRIT fund.

Table 11-1 shows the RRIT projected fund amount for the years 1991-1997. Projections have been made based upon expected solid waste tonnage received at the Solid Waste Complex after recycling. RRIT funds are collected from July 1 to June 30 each year and are deposited with the Solid Waste District the following year. RRIT will effectively end on December 31, 1995. Therefore, the last disbursement in the fund will be made in 1997.

Table 11-1

Cumberland County
Resource Recovery Investment Tax (RRIT)
Projected Fund Amount and Disbursement Schedule (1)
1992 - 1997

	<u>1992</u>	<u>1993</u>	<u>1994</u>	<u>1995</u>	<u>1996</u>	<u>1997</u>
Annual Solid Waste Tonnage	128,619	122,930	126,769	127,997	128,890	N/A
RRIT Amount (2)	\$580,368	\$529,720	\$503,098	\$499,398	\$509,532	\$257,780
Less Administrative Fee (2%)	\$11,607	\$10,594	\$10,062	\$9,988	\$10,191	\$5,156
Projected Funds to be Received by District	<u>\$568,761</u>	<u>\$519,126</u>	<u>\$493,036</u>	<u>\$489,410</u>	<u>\$499,341</u>	<u>\$252,624</u>
Projected interest (3)	\$10,994	\$4,519	\$0	\$0	\$0	\$0
Total Projected Funds to be Received by District	<u>\$587,754</u>	<u>\$523,643</u>	<u>\$493,036</u>	<u>\$489,410</u>	<u>\$499,341</u>	<u>\$252,624</u>
Disbursement for Resource Recovery Projects	\$600,000	\$700,000	\$610,516	\$489,410	\$499,341	\$252,624
Increase (Decrease) in RRIT Fund Balance	<u>(\$12,246)</u>	<u>(\$176,357)</u>	<u>(\$117,480)</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
Balance Beginning	\$306,083 (3)	\$293,837	\$117,480	\$0	\$0	\$0
Balance Ending	<u>\$293,837</u>	<u>\$117,480</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>

Notes:

(1) Provided by the Cumberland County Improvement Authority.

(2) Resource Recovery Investment Tax funds are collected from July 1 to June 30 each year and deposited with the District the following year.

(3) Assumes a 4.0% interest rate.

(4) Actual cash balance 12-3-91.

The RRIT funds will be disbursed to cover certain operation and capital costs associated with resource recovery projects. However, the amount of disbursements to the MSF, bulky waste recycling facility, and pre-processing and composting will vary each year depending upon the volume of material handled by each facility, the price of recyclable material, and the CCIA's operating costs.

Table 11-2 shows a breakdown of how the RRIT funds may be allocated among the elements of the resource recovery operations. Resource recovery projects consist of the following CCIA facilities:

1. Material Separating Facility (MSF)
2. Bulky Waste Recycling Facility
3. Pre-Processing and Composting

Table 11-2

Cumberland County
Resource Recovery Investment Tax (RRIT)
Resource Recovery Budget(1)
1992 - 1997

Resource Recovery Projects Budget	<u>1992</u>	<u>1993</u>	<u>1994</u>	<u>1995</u>	<u>1996</u>	<u>1997</u>
MSF Operations (2)	\$600,000	\$650,000	\$560,516	\$439,410	\$499,341	\$252,624
Bulky Waste Recycling		\$50,000	\$50,000	\$50,000		
Total Disbursement (3)	<u>\$600,000</u>	<u>\$700,000</u>	<u>\$610,516</u>	<u>\$489,410</u>	<u>\$499,341</u>	<u>\$252,624</u>

Notes:

- (1) Provided by the Cumberland County Improvement Authority.
- (2) It is projected that the actual MSF operation subsidy will range from \$400,000 to \$650,000 annually depending on revenues to be derived from the sale of recyclables.
- (3) While it is projected that the total expenditures for resource recovery projects will be distributed as presented, the CCIA reserves the right to redistribute funds between the projects if additional funds are needed for one of the resource recovery projects identified in the County Plan.

12.0 PUBLIC EDUCATION

The CCIA has begun the implementation of a comprehensive education program. In order to attain the 60% recycling goal the CCIA plans to enhance its existing education program to include the following activities:

- Develop a strategy to encourage the procurement of recycled/recyclable products by County and municipal government agencies.
- Provide technical assistance to municipalities.
- Develop a waste audit program in cooperation with haulers and businesses.
- Maintain a sustained public information program to increase participation in curbside recycling.

In order to implement the objectives identified above the CCIA has evaluated its existing education program and developed a public education strategy to be implemented over a three year period. This strategy consists of four primary components which are described in the following sections.

12.1 School Education Program

As a part of a Recycling Education Grant submitted to DEPE, the CCIA will create a position for an Assistant Recycling Coordinator. One responsibility of the Assistant Recycling Coordinator will be to implement an enhanced school education program. This program will include presentations at schools throughout the County and development of printed materials for all grade levels, and the distribution of recycling curriculum "Here Today Here Tomorrow Revisited" (Grades K-12) developed by the DEPE. The CCIA will also distribute book covers made with recycled paper, printed with the County recycling logo

12.2 Public Information

The Assistant Recycling Coordinator will also assist the County Recycling Coordinator and the CCIA's Public Relations firm in developing printed materials regarding the CCIA's recycling program, general recycling and solid waste issues, and waste reduction issues. These materials will be distributed to municipalities and at special events. The CCIA will also

purchase T-shirts printed with the County recycling logo to be used as an award for special recycling efforts.

The CCIA, with assistance provided by a public relations firm will develop a comprehensive multi-media recycling public information program. This program will include items such as cable TV, radio, and newspaper advertisements, outdoor advertisements, special event advertisement, and slideshow/video presentation to community groups.

12.3 Business and Industry Education

The CCIA will encourage business and industry to participate in recycling and waste reduction workshops, waste audits, and award programs. Recycling workshops will be held by the CCIA to educate business owners about the County's recycling plan.

Information regarding the development of office recycling program markets, and waste audit programs will be distributed. Businesses will be encouraged to actively participate in the education program by publicizing their recycling programs, and to participate in award programs coordinated by the CCIA.

12.4 Municipal Government Technical Assistance

The County Recycling Coordinator will assist municipalities in increasing recycling program participation by providing public information, and assisting in the implementation of enforcement activities. The CCIA will, to the maximum extent possible, encourage municipalities to modify procurement procedures to allow for the procurement of recycled/recyclable products.

13.0 ENFORCEMENT

Background

The Mandatory Statewide Source Separation and Recycling Act, P.L. 1987. C. 102, (Recycling Act) signed into law on April 20, 1987, requires that all counties in New Jersey adopt a recycling plan that will recycle 15% of total municipal solid waste in the first year of its implementation and 25% in the second and succeeding years. The County's Recycling Plan was prepared by the CCIA in 1987 and was adopted by the Cumberland County Board of Chosen Freeholders into the County Solid Waste Management Plan as Amendment No. 4.

This Recycling Plan required that municipalities set up recycling programs which collect leaves, newspapers, commingled glass and metal food and beverage containers (GMFBC) and PET-plastic bottles, and white goods from County residents. County businesses were asked to recycle the maximum practical amount of County designated materials consisting of high grade and mixed office paper, corrugated cardboard, glass bottles, aluminum cans, food waste, and other materials for which a market is available.

By adoption of this Plan Amendment the County is revising the enforcement provisions of the Recycling Plan. Portions of the text that remain unchanged from the original enforcement measures appear in normal text. Provisions that have been added as a result of this Plan Amendment appear in bold letters.

13.1 Municipal Enforcement

Each municipality shall adopt an ordinance establishing a program for the separate collection of newspaper, commingled glass and metal food and beverage containers (GMFBC), PET and HDPE plastic bottles, food waste, corrugated cardboard, high-grade paper, white goods, leaves and other materials for the purpose of recycling and fixing penalties for violation thereof.

Residential Recycling

All residentially generated commingled glass and metal food and beverage containers (GMFBC) and PET and HDPE plastic bottles, newspaper and corrugated cardboard (hereinafter known as "residentially designated material") must be collected at the curbside (for single-family units) or in containers (for multi-family units) by all solid waste haulers

operating in the municipality. If a municipality does not provide curbside collection of solid waste and recycling for single family residential units, and the residential unit does not contract for this service, the single family resident is under the same obligation to source separate residentially designated material at convenience centers provided for this purpose.

Non-Residential Recycling

Non-residential generators of solid waste include, but are not limited to, commercial, institutional, and industrial facilities.

All non-residential generators of solid waste will recycle at a minimum commingled glass and metal food and beverage containers (GMFBC) and PET and HDPE plastic bottles, newspapers, and corrugated cardboard and leaf waste (hereafter known as "non-residentially designated materials"). Non-residential generators will continue to recycle the maximum practical amount of high grade and mixed office paper, food waste, and other materials for which a market is available.

A sample ordinance will be prepared by the CCIA and provided to each municipality to serve as a guide, which, after a thorough review, should then be modified to reflect the nature of the specific recycling programs operating within each municipality. Each municipality must review this sample ordinance with the legal counsel representing the municipality and with members of the governing body. It is each municipality's responsibility to develop an effective ordinance that will meet the requirements of the State recycling law and the approved County Recycling Plan.

Adoption of the recycling ordinance shall be based upon the collection strategy for residentially and non-residentially generated recyclable material adopted by a municipality. This strategy is to be developed by each municipality and will set forth, among other things, the materials to be recycled, the method for collection and the disposition of said recyclables. Assistance in developing a strategy for collecting recyclables can be provided by the CCIA. The strategy is to be submitted to the CCIA for review and compliance with the County Plan within six (6) months of DEPE Certification of this Plan Amendment.

The enforcement of the recycling ordinance shall be a joint function of each municipality and the Cumberland County Board of Health.

All municipal ordinances shall contain sections on non-collection, penalties, injunctions and concurrent remedies as follows:

Section ____: Non-collection of Solid Waste Contaminated by Designated Recyclables

This Municipality or any other person collecting solid waste generated within the Municipality may refuse to collect solid waste from any person who has clearly failed to source separate recyclables designated under an applicable section of this Ordinance.

Section ____: Penalties

a) Any person who engages in unlawful conduct as defined in this Ordinance shall, upon conviction thereof, in a proceeding before a court of competent jurisdiction be sentenced to a term of imprisonment in the county jail for term not to exceed ninety (90) days, or to pay a fine of not more than One Thousand Dollars (\$1,000.00) and not less than Twenty-five Dollars (\$25.00), or both.

b) Each continuing day of violation of this Ordinance shall constitute a separate offense.

Section ____: Injunctions: Concurrent Remedies

a) In addition to any other remedy provided in this Ordinance, this Municipality may institute a suit in equity where unlawful conduct or public nuisance exists as defined in the Ordinance for an injunction to restrain a violation of this Ordinance or the County Plan. In addition to an injunction, the court may impose penalties as authorized by Section 16 hereof.

b) The penalties and remedies prescribed by this Ordinance shall be deemed concurrent. The existence or exercise of any remedy shall not prevent this Municipality or the County from exercising any other remedy provided by this Ordinance or otherwise provided at law or equity.

13.2 County Enforcement

13.2.1 Non-conformance with Recycling Goals

No later than July 1 of each calendar year, each municipality in Cumberland County shall

submit to the CCIA a tonnage grant application which includes all residential, commercial, institutional and industrial recycling which occurs in said municipality. This total will be used to determine if said municipality is meeting the recycling goals of the Act (Section 3) to recycle in accordance with the goals set forth by the CCIA. If said municipality does not meet the goal, said municipality has 60 days to propose program improvement/changes in the municipal recycling program to meet these goals.

13.2.2 County Landfill

Inspections of solid waste entering the Cumberland County Solid Waste Complex will be made to ensure that solid waste haulers and municipalities are following municipal recycling ordinances. Solid waste haulers, whether they are collecting solid waste pursuant to a municipal collection ordinance or with a private individual, agency or company must comply with the municipal recycling ordinance in the municipality in which the solid waste was generated.

Enforcement actions against solid waste haulers which do not comply with municipal recycling ordinances, the County Recycling Plan, and the Facility Tariff issued by DEPE, include:

1. Warnings;
2. Separation before disposal; and
3. Revocation of use of facility.

14.0 CUMBERLAND COUNTY LITTER ABATEMENT PARTNERSHIP PROGRAM

Purpose and Background

Amendment No. 5 to the County Plan included a partnership program between the CCIA and each municipality in the County to prevent roadside litter and illegal dumping. This partnership program required municipalities to adopt either a weekly bulky waste curbside collection program or provide bulky waste collection as part of a municipal drop-off convenience center and adoption of an anti-litter and anti-dumping ordinance. In return the CCIA provided among other programs outlined in Plan Amendment No. 5, free bulky waste disposal on specially designated days two times a year.

Since the establishment of the partnership program, users of the Solid Waste Complex have not cooperated with the partnership program. Municipalities and private users of the facility have stored and then delivered to the Solid Waste Complex large quantities of bulky waste on free bulky waste clean-up days. This would not occur if municipalities were providing on-going bulky waste collection programs, either through curbside collection or drop-off facilities. The CCIA has accepted approximately 1,500 tons per year of solid waste collected under the litter abatement program. This total is double the original estimate for this program. Because of problems with the existing partnership program the CCIA has requested that the partnership program be revised as described below.

Policy Statement

The County and CCIA believe that greater enforcement actions are necessary to stop illegal dumping activities. Municipal government must assume the primary responsibility for preventing roadside litter and illegal dumping activities within their communities.

The CCIA proposes to participate in this partnership program by providing the following:

1. Accept without charge all roadside litter and other debris collected by municipal public works or road department personnel as part of special designated community clean-up projects of pre-selected areas;
2. Accept without charge all roadside litter and other debris collected by the County Road Department along all County roads;

3. Accept without charge a maximum of 500 tons per year of bulky waste to be prorated among all municipalities in the county based on municipal population figures from the most recent census data. Any bulky waste delivered which exceeds the maximum amount allocated to a given municipality will be charged the full amount for bulky waste disposal. Bulky waste will be accepted by the CCIA under this program only on the day or days designated by the municipality in writing at the beginning of each calendar year. Each municipality will be required to provide proof of origin at the time of delivery of each load of bulky waste. Violations of this provision of the plan will result in the suspension of free bulky waste disposal privileges for up to two (2) years.
4. Develop a County-wide education and information program to promote litter control and recycling.

Municipal participation in the Litter Abatement Partnership Program will be asked to authorize the following steps by resolution:

1. Adopt and enforce an anti-litter and anti-dumping ordinance which includes the provisions found in the model ordinance provided in Amendment No. 5.
2. Provide for bulky waste disposal at the municipal level by either:
 - Providing special bulky waste collection as part of weekly municipal solid waste collection; or
 - Provide bulky waste collection as part of municipal drop-off convenience center during normal operating hours.
3. Develop and carry out a community-wide litter education program. Such programs are eligible for grants from the New Jersey Office of Recycling. Assistance in preparing such programs and applying for grant support will be provided upon request by the CCIA.
4. Provide to the CCIA at the end of every year a summary of the enforcement actions under the anti-litter and anti-dumping ordinance taken by the municipality during the previous year.

If conditions 1-4 are not followed by a given municipality, the CCIA will not continue to provide free disposal of roadside litter or bulky waste as set forth above.

APPENDIX A

FREEHOLDER APPROVAL OF PLAN AMENDMENT #9

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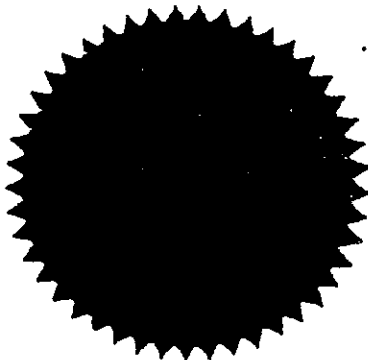
Board of Chosen Freeholders
Cumberland County
Bridgeton, New Jersey

RECEIVED
JUN 22 1992

GANNETT FLEMING
ENGINEERS & PLANNERS

I, SUMNER N. LIPPINCOTT, Clerk of the Board of Chosen Freeholders of the County of Cumberland, do hereby certify that the annexed is a true copy of a Resolution, passed at a Regular Board meeting of the Board of Chosen Freeholders, held on theNinth..... day ofJune....., 19..92..

In Witness Whereof, I have hereunto set my hand and the seal of the County of Cumberland, this
.....Eighteenth.... day ofJune....., 19..92....



Sumner N. Lippincott
Clerk of the Board.

BOARD OF CHOSEN FREEHOLDERS

COUNTY OF CUMBERLAND

RESOLUTION - #258

MEMBER	AYE	NAY	NOT VOTING	ABSENT
GOODWIN	✓	✓		
MARCHAND	✓	✓		
McCORMICK	✓	✓		
NOTO	✓	✓		
PADGETT	✓	✓		
REINARD	✓	✓		
LOOKABAUGH	✓	✓		

Offered by: Dr. ReinardSeconded by: Mr. PadgettDate: June 9, 1992

Approving Amendment #9 To The Cumberland
County Solid Waste Management Plan

BE IT RESOLVED BY THE BOARD OF CHOSEN FREEHOLDERS OF THE
COUNTY OF CUMBERLAND, as follows:

That Amendment #9 to the Cumberland County Solid Waste
Management Plan bearing date June, 1992, and consisting of sixty-
two (62) pages plus cover, table of contents and Appendices A, B
and C, a copy of which is on file with the Clerk of this Board, is
hereby approved.

Passed and adopted at a regular meeting of the Board of Chosen
Freeholders held at the Administration Building, 790 E. Commerce
Street, Bridgeton, New Jersey on Tuesday afternoon, June 9, 1992,
at 4:00 o'clock prevailing time.

DATED: June 9, 1992

APPENDIX B

NJDEP CERTIFICATION OF PLAN AMENDMENT #9

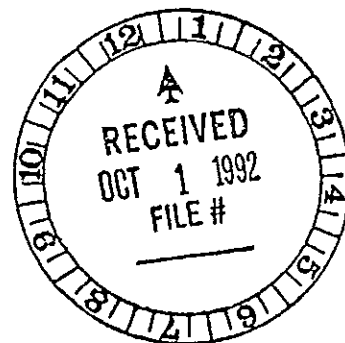
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State of New Jersey
Department of Environmental Protection and Energy
Office of the Commissioner
CN 402
Trenton, NJ 08625-0402
Tel. # 609-292-2885
Fax. # 609-984-3962



Scott A. Welner
Commissioner

September 18, 1992

Honorable John R. Reinard
Director
Cumberland County Board of Chosen Freeholders
County Office Building
790 East Commerce Street
Bridgeton, New Jersey 08302

Dear Freeholder Director Reinard:

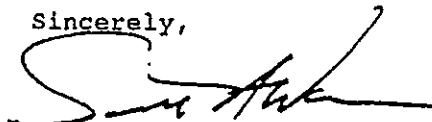
Enclosed please find the certification of a portion of the June 9, 1992 amendment to the Cumberland County District Solid Waste Management Plan. As you know, this is a multifaceted amendment which modified the disbursement of Resource Recovery Investment Tax (RRIT) Fund moneys and addressed the recommendations of the Governor's Emergency Solid Waste Assessment Task Force Final Report. The enclosed certification only addresses the modification to the RRIT Fund disbursement schedule. This expedited certification has been prepared at the request of the County. The response to the recommendations of the Task Force Final Report will be the subject of a later certification. The certification approves the modified disbursement of moneys from the RRIT Fund. Specifically, the County proposes to expend a projected \$3,151,891.00 from 1992 through 1997 for operational costs at the County's materials separation facility, bulky waste recycling facility, and proposed preprocessing and regional compost facilities as well as for 2% administrative expenses. However, the certification prohibits any RRIT Fund expenditures for the regional compost facility, pending DEPE plan amendment approval of such a site, and the preprocessing facility pending approval in the subsequent certification of the June 9, 1992 amendment.

Please note that amendments to the Solid Waste Management Act N.J.S.A. 13:1E-150d. further require that each County shall, by October 31 of each year in which moneys remain in its RRIT Fund, submit a financial and compliance audit. This audit is to be prepared by an independent public accountant and must be filed with the:

Executive Secretary
Local Finance Board
Department of Community Affairs
Division of Local Government Services
CN 800
Trenton, New Jersey 08625

I look forward to reviewing the County's strategy for addressing the recommendations of the Task Force Final Report.

Sincerely,

A handwritten signature in dark ink, appearing to read "Scott A. Weiner", written in a cursive style.

Scott A. Weiner
Commissioner

SAW:TH:lp
Enclosure
1790



State of New Jersey
Department of Environmental Protection and Energy
Office of the Commissioner
CN 402
Trenton, NJ 08625-0402
Tel. # 609-292-2885
Fax. # 609-984-3962

Scott A. Weiner
Commissioner

IN THE MATTER OF CERTAIN AMENDMENTS
TO THE ADOPTED AND APPROVED SOLID
WASTE MANAGEMENT PLAN OF THE
CUMBERLAND COUNTY SOLID WASTE
MANAGEMENT DISTRICT

CERTIFICATION
OF THE JUNE 9, 1992
AMENDMENT TO THE CUMBERLAND COUNTY
DISTRICT SOLID WASTE MANAGEMENT PLAN

BY ORDER OF THE COMMISSIONER:

A. Introduction

The New Jersey Solid Waste Management Act (N.J.S.A. 13:1E-1 et seq.) established a comprehensive system for the management of solid waste in New Jersey. The Act designated all twenty-one (21) of the state's counties, and the Hackensack Meadowlands District, as Solid Waste Management Districts, and mandated that the Boards of Chosen Freeholders and the Hackensack Meadowlands Development Commission develop comprehensive plans for waste management in their respective districts. On March 4, 1981, the Department of Environmental Protection approved, with modifications, the Cumberland County District Solid Waste Management Plan (County Plan).

The Act requires that all district plans be based on and accompanied by a report detailing the existing waste disposal situation in the district, and a plan which includes the strategy to be followed by the district in meeting the solid waste management needs of the district for a ten-year planning period. The report must detail the current and projected waste generation for the district, inventory and appraise all facilities in the district, and analyze the waste collection and transportation systems which serve the district. The disposal strategy must include the maximum practicable use of resource recovery techniques. In addition to this strategy, the plan must designate sufficient available suitable sites for the disposal of the district's waste for a ten-year period, which sites may be in the district or, if none are available, in another district. (The Act provides procedures for reaching any necessary interdistrict agreements.)

The Act further provides that a district may review its plan at any time and, if found inadequate, a new plan must be adopted. Amendments to the Act found in N.J.S.A. 13:1E-136 et seq. require that, among other things, counties amend their County Plan to include an outline of the proposed uses of the moneys in the County Resource Recovery Investment Tax (RRIT) Fund, as well as establish a schedule for disbursement of the moneys in that fund.

The Cumberland County Board of Chosen Freeholders (County Freeholders) completed such a review and on June 9, 1992 adopted a multifaceted amendment to its approved County Plan. The June 9, 1992 amendment proposed a strategy for addressing the recommendations of the Emergency Solid Waste Assessment Task Force Final Report and modifications to the disbursement of RRIT Fund moneys. The latter proposal is the subject of this certification and has been expedited for review at the request of the County. The other proposal will be the subject of a subsequent certification.

The amendment was received by the Department of Environmental Protection and Energy (Department or DEPE) on July 9, 1992 and copies were distributed to various administrative review agencies for review and comment, as required by law. The Department has reviewed this amendment and has determined that the amendment adopted by the County Freeholders on June 9, 1992 is approved as provided in N.J.S.A. 13:1E-24.

B. Findings and Conclusions with Respect to the Cumberland County District Solid Waste Management Plan Amendment

Pursuant to N.J.S.A. 13:1E-24a(1), I have studied and reviewed the June 9, 1992 amendment to the County Plan according to the objectives, criteria, and standards developed in the Statewide Solid Waste Management Plan and N.J.S.A. 13:1E-150 and I find and conclude that this plan amendment is consistent with the Statewide Solid Waste Management Plan and N.J.S.A. 13:1E-150 in proposing an acceptable disbursement schedule for moneys in the County RRIT Fund.

In conjunction with the review of the amendment, the Department circulated copies to seventeen administrative review agencies and solicited their review and comment. Pursuant to N.J.S.A. 13:1E-24a(2) and (3), these agencies included various bureaus, divisions, and agencies within the Department. These agencies are the following:

Office of Energy, DEPE
Division of Parks and Forestry, DEPE
Division of Fish, Game and Wildlife, DEPE
Division of Solid Waste Management, DEPE
Green Acres Program, DEPE
Groundwater Quality Management Element, DEPE
Land Use Regulation Element, DEPE

Wastewater Facilities Regulation Element, DEPE
New Jersey Turnpike Authority
New Jersey Advisory Council on Solid Waste Management
Department of Agriculture
Department of Health
Department of Transportation
Department of Community Affairs
Department of the Public Advocate
U.S. Environmental Protection Agency
Pinelands Commission

1. Agency Participation in the Review of the June 9, 1992 Amendment

The following agencies did not object to the proposed plan amendment:

Land Use Regulation Element, DEPE
Division of Fish, Game and Wildlife, DEPE
Green Acres Program, DEPE
Department of Agriculture
Department of Transportation

The following agencies did not respond to the Department's requests for comments:

Office of Energy, DEPE
Groundwater Quality Management Element, DEPE
Wastewater Facilities Regulation Element, DEPE
Division of Parks and Forestry, DEPE
Pinelands Commission
New Jersey Turnpike Authority
New Jersey Advisory Council on Solid Waste Management
Department of Health
Department of Community Affairs
Department of the Public Advocate
U.S. Environmental Protection Agency

The following agency submitted substantive comments which are further addressed below:

Division of Solid Waste Management, DEPE

2. Comments Received for the June 9, 1992 Amendment

Issue: RRIT Fund Use and Disbursement

On June 9, 1992 the County Freeholders adopted an amendment to their County Plan which reaffirmed the use of moneys from the RRIT Fund and provided a modified schedule for disbursement of those moneys. The amendment reaffirmed the use of moneys to finance operational costs at the County's materials separation facility (recycling center), bulky waste recycling facility, and proposed preprocessing and regional compost facilities. The preprocessing facility is planned to be located at the site of the County landfill in Deerfield Township and will sort solid waste prior to delivery to a regional compost facility. The plan inclusion of this facility is being addressed in the certification of the other portion of the June 9, 1992 amendment. However, a site for the regional compost facility has not been selected pending regionalization discussions.

These uses of the RRIT Fund were previously approved by the Department in its January 3, 1992 certification of the County's July 18, 1991 plan amendment. However, at that time, the Department indicated the need for further clarification of the County's proposed resource recovery system prior to authorizing RRIT Fund expenditures for that proposal. The County has now satisfied that requirement by specifying that the resource recovery system will comprise the materials separation facility, the bulky waste recycling facility, the preprocessing facility and the use of a regional compost facility. Also, the need to modify the disbursement schedule arose from decreased revenues credited to the County's RRIT Fund due to a reduction in the quantity of solid waste received at the County landfill. The Department previously approved, in the above noted certification, a disbursement schedule for the County's RRIT Fund which restricted the disbursement of RRIT Fund moneys for the approved uses to \$400,000.00 in any individual calendar year through 1997. As proposed in the June 9, 1992 amendment, the amount of disbursements from the County's RRIT Fund for the years 1992 through 1997 will total \$3,151,891.00 and will vary, depending upon the volume of material handled by each facility, the price of recyclable material and the operating costs for each facility, from a maximum of \$700,000.00 in 1993 to a minimum of \$252,624.00 in 1997. The County will also use 2% of the available RRIT Fund moneys for administrative purposes as permitted by N.J.S.A. 13:1E-136.

The modified disbursement schedule for the County's RRIT Fund is consistent with the requirements of N.J.S.A. 13:1E-150c. and is also consistent with the Department's content and format criteria for provisions of a disbursement schedule. However, RRIT Fund expenditures for the regional compost facility should be withheld until such a site receives DEPE plan amendment approval. Also, RRIT Fund expenditures for the preprocessing facility should be withheld pending approval of this facility in the subsequent certification of the June 9, 1992 amendment.

The County Freeholders are hereby notified of these comments.

C. Certification of the Cumberland County District Solid Waste Management Plan Amendment

In accordance with N.J.S.A. 13:1E-1 et seq., specifically N.J.S.A. 13:1E-21, which establishes specific requirements regarding the contents of the district solid waste management plans and N.J.S.A. 13:1E-150 which establishes eligible uses and disbursement schedule requirements for a County's RRIT Fund, I have reviewed the June 9, 1992 amendment to the approved County Plan and certify to the County Freeholders that the June 9, 1992 amendment is approved as further specified below.

The County Plan inclusion of the modified disbursement schedule for moneys from the County's RRIT Fund is approved. Previously, in the Department's January 3, 1992 certification of the July 18, 1991 amendment, the Department had approved the uses of and modifications to the disbursement schedule of the County RRIT Fund. However, regarding the approved uses, the Department had indicated the need for further clarification of the County's proposed resource recovery system prior to authorizing RRIT Fund expenditures for that proposal. Also, the certification restricted the

disbursement of RRIT Fund moneys to \$400,000.00 in any individual calendar year through 1997. Within the June 9, 1992 amendment, the County has reaffirmed the use of RRIT Fund moneys to finance the County's resource recovery system comprising the materials separation facility, the bulky waste processing facility, and the proposed preprocessing and regional compost facilities. This designation sufficiently clarifies for the Department the County's proposed resource recovery system.

Therefore, the Department finds that the disbursement schedule for RRIT Fund moneys totaling \$3,151,891.00 for the years 1992 through 1997 is approved. Also approved is the use of 2% of the available RRIT Fund moneys for administrative purposes as permitted by N.J.S.A. 13:1E-136. However, the County is prohibited from expending RRIT Fund moneys for the planned regional compost facility, pending DEPE plan amendment approval of such a site, and the preprocessing facility pending approval in the subsequent certification of the June 9, 1992 amendment. The disbursements will vary according to the following schedule:

<u>1992</u>	<u>1993</u>	<u>1994</u>	<u>1995</u>	<u>1996</u>	<u>1997</u>
\$600,000	\$700,000	\$610,516	\$489,410	\$499,341	\$252,624

D. Other Provisions Affecting the Plan Amendment

1. Contracts

Any contract renewal or new contract for solid waste collection or disposal which is inconsistent with this amendment to the County Plan and which was executed prior to the approval of this amendment and subsequent to the effective date of the Solid Waste Management Act (July 29, 1977), and which shall further be for a term in excess of one year, shall immediately be renegotiated in order to bring same into conformance with the terms and provisions herein set forth. Any solid waste collection operation or disposal facility registered by the Department and operating pursuant to a contract as herein described, shall be deemed to be in violation of this amendment and of the County Plan if such renegotiation is not completed within ninety (90) days of the effective date of this amendment provided, however, that any such registrant may, upon application to the Department, and for good cause shown, obtain an extension of time to complete such renegotiation.

2. Compliance

All solid waste facility operators and transporters registered with the Department and operating within the County and affected by the amendment contained herein shall operate in compliance with this amendment and all other approved provisions of the County Plan. Any facility operator or

transporter who fails to comply with the provisions contained herein shall be deemed to be in violation of N.J.S.A. 13:1E-1 et seq., in violation of N.J.A.C. 7:26-1 et seq., and in violation of their registration to operate a solid waste facility or a collection system issued thereunder by the Department and shall be subject to the provisions and penalties of N.J.S.A. 13:1E-9 and 12 and all other applicable laws.

3. Types of Solid Wastes Covered by the District Solid Waste Management Plan

The provisions of the County Plan shall apply to all solid wastes defined in N.J.S.A. 13:1E-3 and N.J.A.C. 7:26-2.13 and shall not apply to liquid wastes, sewage sludge, septage, and hazardous wastes. All nonhazardous materials separated at the point of generation for sale or reuse are excluded from the waste flows designated in the Interdistrict and Intradistrict Solid Waste Flow Rules set forth at N.J.A.C. 7:26-6, but are subject to regulation in accordance with N.J.A.C. 7:26A-1 et seq.

4. Certification to Proceed with the Implementation of the Plan Amendment

This document shall serve as the certification of the Commissioner of the Department to the County Freeholders and pursuant to N.J.S.A. 13:1E-24c and f, the County shall proceed with the implementation of the approved amendment certified herein.

5. Definitions

For the purpose of this amendment and unless the context clearly requires a different meaning, the definitions of terms shall be the same as those found at N.J.S.A. 13:1E-3 and -99.12, N.J.A.C. 7:26-1.4 and -2.13, and N.J.A.C. 7:26A-1.3.

6. Effective Date of the Amendment

The amendment to the County Plan contained herein shall take effect immediately.

7. Reservation of Authority

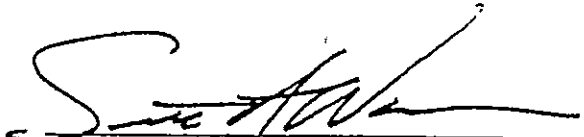
Nothing contained herein shall be construed as a limitation on any other action taken by the Department pursuant to its authority under the law. The County Plan, including any amendment made thereto, shall conform with the Statewide Solid Waste Management Plan. The Department has published a Statewide Solid Waste Management Plan, with appendices, which includes the Department's planning guidelines, rules, regulations, orders of the Department, interdistrict and intradistrict waste flow rules, and also includes the compilation of individual district plans and amendments as they are approved.

E. Certification of Approval of the Amendment by the Commissioner of the Department of Environmental Protection and Energy

In accordance with the requirements of N.J.S.A. 13:1E-1 et seq., I hereby approve the amendment, as outlined in Section C. of this certification, to the Cumberland County District Solid Waste Management Plan which was adopted by the Cumberland County Board of Chosen Freeholders on June 9, 1992.

DATE

9-18-92



SCOTT A. WEINER

COMMISSIONER

DEPARTMENT OF ENVIRONMENTAL PROTECTION
AND ENERGY

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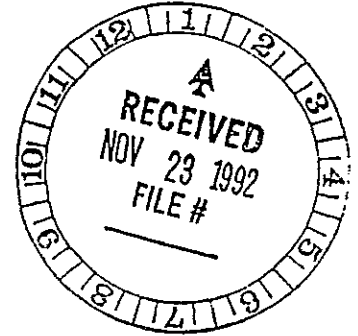
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State of New Jersey
Department of Environmental Protection and Energy
Office of the Commissioner
CN 402
Trenton, NJ 08625-0402
Tel. # 609-292-2885
Fax. # 609-984-3962

Scott A. Weiner
Commissioner



November 17, 1992

Honorable John R. Reinard
Freeholder Director
Cumberland County Board of Chosen Freeholders
790 East Commerce Street
Bridgeton, New Jersey 08302

Dear Freeholder Director Reinard:

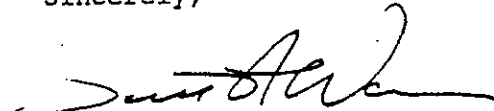
Enclosed please find the certification of the June 9, 1992 amendment to the Cumberland County Solid Waste Management Plan. As you know, this was a multifaceted amendment which proposed the following: modifications to the disbursement of moneys from the Cumberland County Resource Recovery Investment Tax (RRIT) Fund; the inclusion of two recycling centers; the County's strategy for addressing the recommendations of the Emergency Solid Waste Assessment Task Force Final Report; and a blanket inclusion policy for recycling centers. At the request of the County, the RRIT Fund disbursement schedule portion of the amendment was the Subject of an earlier certification of September 18, 1992.

The certification approves the inclusion of the two recycling centers and the general strategy adopted by the County for addressing source reduction, recycling, and regionalization. I commend the County for developing such a comprehensive strategy. The certification notes areas pertaining to source reduction and recycling which must be further addressed in a subsequent plan amendment submission. Generally, these include the County's enforcement strategy, education programs, vegetative waste, procurement and source reduction policies, and the planned preprocessing facility.

The certification also approves with modifications the County's blanket inclusion policy for recycling centers. These modifications require the applicants to obtain all necessary permits and approvals and for the County Freeholders to approve by resolution the blanket inclusion of all recycling centers. Although these modifications are final and do not require the County Freeholders to adopt a subsequent plan amendment to include the modifications, the County Freeholders may choose to take such action.

I look forward to continuing to work with Cumberland County to address its solid waste disposal needs.

Sincerely,

A handwritten signature in dark ink, appearing to read "Scott A. Weiner", written over a horizontal line.

Scott A. Weiner
Commissioner

Enclosure
SAW:GM/lk
#1817



State of New Jersey
Department of Environmental Protection and Energy
Office of the Commissioner
CN 402
Trenton, NJ 08625-0402
Tel. # 609-292-2885
Fax. # 609-984-3962

Scott A. Weiner
Commissioner

IN THE MATTER OF CERTAIN AMENDMENTS
TO THE ADOPTED AND APPROVED SOLID
WASTE MANAGEMENT PLAN OF THE
CUMBERLAND COUNTY SOLID WASTE
MANAGEMENT DISTRICT

CERTIFICATION
OF THE JUNE 9, 1992
AMENDMENT TO THE CUMBERLAND COUNTY
DISTRICT SOLID WASTE MANAGEMENT PLAN

BY ORDER OF THE COMMISSIONER:

A. Introduction

The New Jersey Solid Waste Management Act (N.J.S.A. 13:1E-1 et seq.) established a comprehensive system for the management of solid waste in New Jersey. The Act designated all twenty-one (21) of the state's counties, and the Hackensack Meadowlands District, as Solid Waste Management Districts, and mandated that the Boards of Chosen Freeholders and the Hackensack Meadowlands Development Commission develop comprehensive plans for waste management in their respective districts. On March 4, 1981, the Department of Environmental Protection approved, with modifications, the Cumberland County District Solid Waste Management Plan (County Plan).

The Act requires that all district plans be based on and accompanied by a report detailing the existing waste disposal situation in the district, and a plan which includes the strategy to be followed by the district in meeting the solid waste management needs of the district for a ten-year planning period. The report must detail the current and projected waste generation for the district, inventory and appraise all facilities in the district, and analyze the waste collection and transportation systems which serve the district. The disposal strategy must include the maximum practicable use of resource recovery techniques. In addition to this strategy, the plan must designate sufficient available suitable sites for the disposal of the district's waste for a ten-year period, which sites may be in the district or, if none are available, in another district. (The Act provides procedures for reaching any necessary interdistrict agreements.)

The Act further provides that a district may review its plan at any time and, if found inadequate, a new plan must be adopted. The Cumberland County Board of Chosen Freeholders (County Freeholders) completed such a review and on June 9, 1992 adopted a multifaceted amendment to its approved County Plan.

The amendment proposed the following: modifications to the disbursement of Resource Recovery Investment Tax (RRIT) Fund moneys; the inclusion of two recycling centers; the County's strategy to address the recommendations of the Emergency Solid Waste Assessment Task Force (Task Force) Final Report; and a blanket inclusion policy for recycling centers. This certification only addresses the latter components of the June 9, 1992 amendment. At the request of the County, the RRIT Fund disbursement schedule portion of the amendment was the subject of an earlier certification of September 18, 1992 in order to expedite the availability of monies to the County to fund elements of its recycling plan.

The amendment was received by the Department of Environmental Protection and Energy (Department or DEPE) on July 9, 1992 and copies were distributed to various administrative review agencies for review and comment, as required by law. The Department has reviewed this amendment and has determined that the amendment adopted by the County Freeholders on June 9, 1992 is approved with modifications as provided in N.J.S.A. 13:1E-24.

B. Findings and Conclusions with Respect to the Cumberland County District Solid Waste Management Plan Amendment

Pursuant to N.J.S.A. 13:1E-24a(1), I have studied and reviewed the June 9, 1992 amendment to the County Plan according to the objectives, criteria, and standards developed in the Statewide Solid Waste Management Plan and I find and conclude that this plan amendment, as modified herein, is consistent with the Statewide Solid Waste Management Plan.

In conjunction with the review of the amendment, the Department circulated copies to seventeen administrative review agencies and solicited their review and comment. Pursuant to N.J.S.A. 13:1E-24a(2) and (3), these agencies included various bureaus, divisions, and agencies within the Department. These agencies are the following:

- Office of Energy, DEPE
- Division of Parks and Forestry, DEPE
- Division of Fish, Game and Wildlife, DEPE
- Division of Solid Waste Management, DEPE
- Green Acres Program, DEPE
- Land Use Regulation Element, DEPE
- Groundwater Quality Management Element, DEPE
- Wastewater Facilities Regulation Element, DEPE
- New Jersey Turnpike Authority
- New Jersey Advisory Council on Solid Waste Management
- Department of Agriculture
- Department of Health
- Department of Transportation
- Department of Community Affairs
- Department of the Public Advocate
- U.S. Environmental Protection Agency
- Pinelands Commission

1. Agency Participation in the Review of the June 9, 1992 Amendment

The following agencies did not object to the proposed plan amendment:

Division of Fish, Game and Wildlife, DEPE
Division of Parks and Forestry, DEPE
Green Acres Program, DEPE
Land Use Regulation Element, DEPE
New Jersey Turnpike Authority
Department of Agriculture
Department of Transportation

The following agencies did not respond to the Department's requests for comments:

Office of Energy, DEPE
Groundwater Quality Management Element, DEPE
Wastewater Facilities Regulation Element, DEPE
New Jersey Advisory Council on Solid Waste Management
Department of Health
Department of Community Affairs
Department of the Public Advocate
U.S. Environmental Protection Agency
Pinelands Commission

The following agency submitted substantive comments which are further addressed below:

Division of Solid Waste Management, DEPE

2. Issues of Concern Regarding the June 9, 1992 Amendment

Issue: Task Force Response

Numerous issues have been identified relative to the County's response to the Task Force Final Report. These issues are as follows:

a. Designated Recovery Target

The amendment indicates recycling recovery totals and rates for the municipal and total waste streams. The County has indicated achievement of a 60% total recycling rate and a 50% municipal recycling rate by December 31, 1995. However, the achievement of these recycling rates are predicated on facilities which have not been developed. Achievement of the 50% rate is based on development of a compost and preprocessing facility and the 60% rate is based on development of a bulky waste recycling facility. The development of these facilities will be critical to achievement of the recycling target rates, particularly in the absence of designating additional materials for mandatory recycling. Also, the County should not consider the 50% and 60% rates as maximum planning targets and should continue to refine plans and programs toward achievement of even higher levels of recycling.

b. Designated Recyclable Materials

Although the County recommends that 39 materials of the waste stream be recycled, it has not specified additional designated recyclables for either the residential or commercial, institutional, and industrial sectors. Consideration should be given to adding more designated recyclables, such as the recycling of ferrous cans, vehicle and consumer batteries, used motor oil, mixed paper, roofing materials, grass and brush, white goods, and wood in both the residential and the commercial, institutional, and industrial sectors, and the recycling of asphalt, concrete and masonry in the commercial, industrial, and institutional sector. The County should reconsider its listing of designated materials toward the development of a more comprehensive program within a subsequent plan amendment submission. Also, since achievement of the 50% and 60% recycling rates may be difficult without designating additional recyclables, the County should provide in a subsequent plan amendment submission a description of how these rates can be achieved in the absence of expanded mandated recyclables.

c. Enforcement

The amendment identifies a proposal for requiring municipalities to adopt an ordinance establishing a program for enforcement of residential and nonresidential recycling. The strategy is to be submitted to the County within six (6) months of the Department's certification of the June 9, 1992 plan amendment. Enforcement will be a joint function of the County and municipalities. Also, inspections of solid waste entering the County landfill will be made to ensure compliance with municipal recycling ordinances. However, the County should describe the enforcement program in greater detail in a subsequent plan amendment submission, including methods and frequency of enforcement and resources needed to implement and maintain a proper enforcement program.

d. Education

The amendment indicates the County's intentions to continue to expand its public education program through enactment of four primary components over a three year period. The components are a school education program, a public information program, a business and industry education program, and a municipal government technical assistance program. The County will create a position of assistant recycling coordinator to implement this four part program. The County has prepared a comprehensive education program, but greater specificity should be provided in a subsequent plan amendment submission detailing timeframes and frequency of efforts to accomplish this program over a three year period.

e. Vegetative Waste

Although the County's program for reducing the amount of vegetative waste is an important component of its source reduction program, the amendment does not identify specific programs to accomplish this goal other than to encourage vegetative waste composting. The amendment indicates the quantity of vegetative waste composted in 1990 and provides an estimate of the amount of this waste to be composted in 1995. However, the County should provide an inventory

of existing vegetative waste compost facilities, a capacity analysis of present and future compost needs, and specific programmatic efforts to reduce the disposal of vegetative waste and to encourage the development/inclusion of additional vegetative and organic waste compost facilities in a subsequent plan amendment submission.

f. Procurement Policies

The amendment provides that the County intends to continue to implement procurement policies that favor the purchase of recycled materials. However, the amendment does not identify its procurement policy, specific procurement guidelines, procurement goals, a method of record keeping and enforcement, or a timetable for implementation. The County should develop its program to include current and future State procurement goals; sample bid specifications for use by governments and private businesses; and the purchase of photocopiers with duplexing capabilities, recycled products instead of virgin products, and recycled materials for road and other construction activities. All of this information should be included in a subsequent plan amendment submission.

g. Regionalization

The amendment indicates that the County is pursuing discussions with other counties to regionalize many of its solid waste facilities. Specifically, the County has a regional agreement with Atlantic County to market its newspaper and glass cullet. The County has had discussions with Salem and Gloucester Counties to regionalize the processing of recyclables at its material separation facility (recycling center). The County is also willing to regionalize the use of its bulky waste recycling facility. Finally, the amendment indicates that the selection of a site for and the use of a mixed waste compost facility will be finalized once regional discussions with Atlantic, Gloucester, and Salem Counties are finalized. The County is encouraged to continue its multicounty discussions to regionalize various solid waste facilities.

h. Source Reduction Policies

The amendment outlines an aggressive strategy to stimulate source reduction, specifically, to cap per capita generation of solid waste by 1995 at 1990 levels and to reduce the per capita generation rate within 10 years; to reduce the toxic component of products entering the solid waste stream; to conduct waste audit workshops for the County's 25 largest generators of solid waste and all institutions and businesses with more than 100 employees; to encourage consumers to purchase in bulk to minimize packaging; to award county and municipal agencies, business and institutions for effective source reduction programs; to reduce the amount of junk mail in the waste stream; and to promote backyard composting. While the County's goals for source reduction are commendable, greater detail of the achievement of these goals is needed. Specifically, the County should provide in a subsequent plan amendment submission the timeframes for achievement of these goals, the methods by which

these goals shall be accomplished, and the target groups necessary to attain these goals. In particular, the County must consider the development of a program and time schedule for performing waste audits at all County buildings. Also, the County must specify a time schedule for conducting waste audit workshops for the 25 largest generators of solid waste and all businesses and institutions with more than 100 employees. Finally, the County should consider the implementation of per container rates.

i. Household Hazardous Waste

The amendment indicates that the County will continue to fund and implement a household hazardous waste program. The County should provide greater detail regarding this program in a subsequent plan amendment submission. Specifically, a schedule indicating the frequency of collections for drop-off days should be provided. Also, the County should consider the siting of a permanent household hazardous waste collection facility. Further, as part of this investigation, the County should explore the possibility of regionalizing any proposed facility.

j. Cost of Implementing 60% Recycling Strategy

The amendment does not indicate a projected cost for implementing the many programs necessary to achieve the County's recycling strategy. The County should prepare such an estimate and include it in a subsequent plan amendment submission.

k. Preprocessing Facility

The County proposes to locate a preprocessing facility at the site of the County landfill in Deerfield Township. This facility will be used in conjunction with a regional compost facility once the latter facility is sited. However, the amendment does not describe the planned preprocessing facility. The County, once a site and specific type of regional compost facility are identified, must provide this information in a subsequent plan amendment submission. Also, depending on the nature of this facility, it may need to obtain Departmental approvals or permits prior to operation. Finally, the County should consider opportunities for regionalizing the proposed preprocessing facility.

As noted in Section C. of this certification, the June 9, 1992 amendment is approved. However, the above noted areas of source reduction and recycling should be considered by the County in further refinement and development of its solid waste program in a subsequent plan amendment to be submitted within 180 days. Further, staff at the DEPE will be available to discuss the preceding comments and to work with the County to structure future plan amendment submissions.

Issue: Blanket Recycling Center Inclusion Policy

Pursuant to the recommendations of the Task Force Final Report, the County has proposed a blanket inclusion procedure to include recycling centers accepting Class A recyclable materials and recycling centers accepting Class B recyclable materials. The Department, since it has been reviewing many such blanket inclusion policies, has established a standard format to ensure uniform implementation of blanket inclusion policies. The Department has reviewed the County's proposed policy with the Department's uniform policy criteria and commends the County for its efforts. The County has proposed a policy which, in some instances, is more stringent than the Department's. In particular, the County is requiring the holding of a public hearing for any proposed County plan inclusion of a recycling center accepting Class B recyclable materials. However, the blanket policy failed to include certain Departmental requirements. Therefore, the County's blanket policy must be approved with modifications. Specifically, all recycling centers are required to obtain all applicable local permits and approvals and the County Freeholders must approve by resolution the blanket inclusion of all recycling centers and submit the resolution to the Department. Accordingly, within Section C.1.f. of the certification, the County's blanket recycling center inclusion policy has been modified as necessary.

The County Freeholders are hereby notified of this comment.

Issue: Regulatory Requirements for Recycling Centers

If any operation of the planned recycling centers will discharge pollutants as defined in N.J.A.C. 7:14A-1.9, said operation must secure a New Jersey Pollutant Discharge Elimination System Permit and/or a Treatment Works Approval for pollutant discharges prior to operation.

The operation of all recycling centers which receive, store, process or transfer Class A recyclable materials, as defined at N.J.A.C. 7:26A-1.3, shall be in conformance with N.J.A.C. 7:26A-4 et seq. The construction and operation of all recycling centers which receive, store, process or transfer Class B recyclable materials, as defined at N.J.A.C. 7:26A-1.3, shall be preceded by the acquisition of the necessary approval as per N.J.A.C. 7:26A-3 et seq., and shall be in conformance with Department regulations and guidelines, including N.J.A.C. 7:26A-4 et seq.

The County Freeholders and the applicants are hereby notified of this comment.

C. Certification of the Cumberland County District Solid Waste Management Plan Amendment

In accordance with N.J.S.A. 13:1E-1 et seq., specifically N.J.S.A. 13:1E-21, which establishes specific requirements regarding the contents of the district solid waste management plans, I have reviewed the June 9, 1992 amendment to the approved County Plan and certify to the County Freeholders that the June 9, 1992 amendment is approved with modifications as further specified below.

1. June 9, 1992 Amendment

a. 60% Recycling Strategy

Designated Recovery Target: The County's goal to recycle 50% of the municipal and vegetative waste stream and 60% of the total waste stream by December 31, 1995 is approved. However, the Department notes that the achievement of these rates is based on facilities that have not been developed. The development of these facilities will be critical to achievement of the recycling target rates. Also, the County should not consider the 50% and 60% rates as maximum planning targets and should continue to refine plans and programs toward achievement of even higher levels of recycling.

Designated Recyclable Materials: The following listing of recyclable materials to be source separated in the residential and the commercial, institutional, and industrial sectors is approved:

- Newspaper
- Glass containers
- Aluminum cans
- Leaves
- Corrugated cardboard
- Plastic containers (HDPE and PET)

The County should consider mandating the recycling of the following additional materials: ferrous cans, vehicle and consumer batteries, used motor oil, mixed paper, roofing materials, grass and brush, white goods, and wood in both the residential and the commercial, institutional, and industrial sectors, and the recycling of asphalt, concrete and masonry in the commercial, industrial, and institutional sector. Achievement of the 50% and 60% recycling rates may be difficult in the absence of mandatory recycling of these additional materials. The County should provide in a subsequent plan amendment submission a description of how the 50% and 60% recycling rates can be achieved in the absence of expanded designated materials for mandatory recycling.

Enforcement: The County's plan to revise its existing recycling enforcement program is approved. However, as noted in Section B.2.c., the County should describe the enforcement program in greater detail in a subsequent plan amendment submission including methods and frequency of enforcement and resources needed to implement and maintain a proper enforcement program.

Education: The County's plans to expand its public education program through a four part strategy of school education, public information, business and industry education, and municipal government technical assistance is approved. However, as noted in Section B.2.d., the County should provide in greater detail in a subsequent plan amendment submission the timeframes and frequency of efforts to accomplish this program over a three year period.

Vegetative Waste: The County's goal to reduce the amount of vegetative waste in the solid waste stream is approved. However, as noted in Section B.2.e., the County should provide in a subsequent plan amendment submission an inventory of existing vegetative waste compost facilities, a capacity analysis of present and future compost needs, and specific programmatic efforts to reduce the disposal of vegetative waste and to encourage the development of additional vegetative and organic waste compost facilities.

Procurement Policies: The County's plan to continue to implement procurement policies that favor the purchase of recycled materials is approved. However, as noted in Section B.2.f., the County should provide a subsequent plan amendment submission which identifies its specific procurement policies and guidelines, procurement goals, method of enforcement, and timetable for implementation.

b. Source Reduction Policies

The County's strategy to enact specific source reduction policies is approved. Among these policies are to cap per capita generation of solid waste by 1995 at 1990 levels and to reduce the per capita generation rate within 10 years; to conduct waste audit workshops for the County's 23 largest generators of solid waste and all institutions and businesses with more than 100 employees; to reduce the toxic components of packaging; to continue to fund a household hazardous waste program; to reduce the amount of junk mail in the waste stream; and to promote backyard composting. However, as noted in Section B.2.h. and B.2.i., the County should provide in a subsequent plan amendment submission the timeframes for achievement of these goals, the methods by which these goals shall be accomplished, and the target groups necessary to attain these goals. In particular, the County must consider the development of a program and time schedule for performing waste audits at all County buildings. Also, the County should consider the implementation of per container rates.

c. Regionalization

The County's policy for regionalizing its solid waste facilities is approved. Specifically, the County is planning to regionalize its existing materials separation facility (recycling center) and its proposed bulky waste recycling facility. Also, the County is presently negotiating with other counties to construct a regional compost facility.

d. Preprocessing Facility

The County Plan inclusion of the County preprocessing facility is approved. The facility is proposed to be located at the County Solid Waste Complex on Block 76, Lots 14, 15, 16, 18, and 19 in Deerfield Township, Cumberland County. The capacity of the facility and the materials to be processed will be determined once the site of the regional compost facility is identified. The preprocessing facility is proposed to be utilized in conjunction with the regional compost facility. The County, once a site and specific type of regional compost facility are identified, must provide this information in a subsequent plan amendment submission. Finally,

depending on the nature of the preprocessing facility, it may need to obtain DEPE permits or approvals prior to operation.

e. Recycling Centers

The County Plan inclusion of Wheaton Plastics located at 1101, Wheaton Avenue, Millville, Cumberland County is approved. The facility will process plastic containers. Because this recycling center will be handling only Class A materials, as defined at N.J.A.C. 7:26A-1.3, no approval from the Department is necessary prior to operation. However, the recycling center must comply with the regulations at N.J.A.C. 7:26A-4.

The County Plan inclusion of Easmunt Paving Inc., located at 2103 Cumberland Road, on Lot 487, Blocks 1 and 2, and Lot 489, Block 2, Millville, Cumberland County is approved. This facility will process concrete, asphalt, block, and brick. Because this recycling center will be handling Class B recyclable materials, as defined at N.J.A.C. 7:26A-1.3, it must obtain a recycling center approval from the Department pursuant to N.J.A.C. 7:26A-3 prior to operation.

The operation of all recycling centers which receive, store, process or transfer Class A recyclable materials, as defined at N.J.A.C. 7:26A-1.3, shall be in conformance with N.J.A.C. 7:26A-4 et seq. The construction and operation of all recycling centers which receive, store, process or transfer Class B recyclable materials, as defined at N.J.A.C. 7:26A-1.3, shall be preceded by the acquisition of the necessary approval as per N.J.A.C. 7:26A-3 et seq., and shall be in conformance with Department regulations and guidelines, including N.J.A.C. 7:26A-4 et seq. Also, pursuant to N.J.A.C. 7:26A-4.1(a)1.iii, Class A recyclable materials may be commingled only with other Class A recyclable materials. Class B recyclable materials may be commingled only with other Class B recyclable materials and only to the extent authorized in the general approval.

This certification shall not be construed as an expression of the Department's intent to issue a recycling center approval to any recycling center for Class B recyclable materials. A recycling center approval shall only be granted where the applicant has submitted an administratively complete application, as per N.J.A.C. 7:26A-3.5, where all substantive criteria for approval set forth in N.J.A.C. 7:26A-3.2, 3.3, and 3.4 are satisfied, where a fee has been paid in accordance with N.J.A.C. 7:26A-2, and where none of the criteria for denial of a recycling center approval are met, as per N.J.A.C. 7:26A-11 and 12.

f. Blanket Inclusion Policy for Recycling Centers

The blanket inclusion policy for recycling centers is approved with modifications as noted below. Specifically, all recycling centers are required to obtain all applicable regulatory permits and approvals and the County Freeholders must approve by resolution the blanket inclusion of all recycling centers and submit the resolution to the DEPE. Although these modifications are final and do not require the County Freeholders to adopt a subsequent plan amendment to include these modifications, the County may choose to take such action.

For Recycling Centers Accepting Class A Recyclable Materials:

A recycling center will be included within the County Plan under the blanket inclusion policy where the following conditions are met:

- (1) The applicant has held a preapplication meeting with the County solid waste coordinator.
- (2) The host municipality and the County solid waste coordinator are notified in writing of the request to be included in the County Plan and each receives a full copy of an application which includes the following:
 - (a) the corporate name, address and telephone number of the person seeking to own or operate the proposed recycling center;
 - (b) the name of the individual serving as a contact person;
 - (c) the location of the recycling center, including lot and block, and the generally recognized address of the site;
 - (d) the acreage of the site and/or square footage of the recycling center;
 - (e) the zoning of the site;
 - (f) a description of the material(s) to be received, stored, processed or transferred at the recycling center;
 - (g) projected daily tonnage by material to be received;
 - (h) the total daily capacity of the recycling center;
 - (i) the identity of specific end markets by material;
 - (j) a description of the daily operation in narrative form;
 - (k) a map delineating the actual location of the facility in relationship to the host municipality and neighboring communities;
 - (m) the routing of vehicles between the recycling center and all nearby roadways serving the site; and
 - (n) an indication of how the applicant will comply with N.J.A.C. 7:26A-4.1 which provides operational standards and general rules for recycling centers accepting Class A recyclables.
- (3) An application fee is submitted to the County in accordance with an application fee schedule adopted by the County.

- (4) The applicant submits written documentation that all applicable local approvals have been secured.
- (5) The applicant publishes two (2) notices of the proposed application, once each week for two consecutive weeks, in a newspaper of general circulation in the host municipality. A notice shall include the following:
 - (a) the name of the proposed recycling center, the name of the owner or operator, and the nature of the project;
 - (b) the lot and block number of the site location;
 - (c) the generally recognized address of the site;
 - (d) the location of the depositories for the inspection of a complete project description and any supporting documents; and
 - (e) a statement that written comments on the project will be accepted by the solid waste implementing agency for a period of 30 days from the date of first notice.
- (6) The applicant shall forward a copy of the notice to the Clerk of the County Freeholder Board, the County solid waste coordinator, and the host municipality upon its publication.
- (7) No substantive objections to the site are raised by the municipality, the Pinelands Commission, if applicable, and the County or any other person. If such substantive objections are raised, the proposed site and facility may be subject to a formal plan amendment process pursuant to N.J.S.A. 13:1E-23 and -24, including notice, public hearing, approval by the County Freeholders, and subsequent DEPE approval.
- (8) The recycling center owner shall keep, or cause to be kept, proper records of the type and amount of each material received, processed, stored and transferred, as well as the origin of each material.
- (9) The County Freeholders have approved the recycling center to be included in the County Plan under the blanket inclusion policy by duly adopted resolution and such resolution has been submitted to the Department, along with the detailed project description set forth in paragraph (1) above.

For Recycling Centers Accepting Class B Recyclable Materials:

A recycling center will be included within the County Plan under the blanket inclusion policy where the following conditions are met:

- (1) The applicant has held a preapplication meeting with the County solid waste coordinator;

- (2) The host municipality and the County solid waste coordinator receive a copy of the complete application to be submitted to the DEPE including all engineering designs, reports, maps, etc. for approval of a recycling center accepting Class B recyclable materials as set forth in N.J.A.C. 7:26A-3;
- (3) An application fee is submitted to the County in accordance with an application fee schedule adopted by the County;
- (4) The applicant submits written documentation that all applicable local approvals have been secured;
- (5) The applicant publishes two (2) notices of the proposed application, once each week for two consecutive weeks, in a newspaper of general circulation in the host municipality. A notice shall include the following:
 - (a) the name of the proposed recycling center, the name of the owner or operator, and the nature of the project;
 - (b) the lot and block number of the site location;
 - (c) the generally recognized address of the site;
 - (d) the location of the depositories for the inspection of a complete recycling center approval application required of the DEPE and any supporting documents; and
 - (e) an indication that comments regarding the application can be made at the public hearing which shall be held by the County Freeholders. The second publication of the notice must be at least 15 days prior to the public hearing date.
- (6) The application shall forward a copy of the notice to the Chairman of the County Solid Waste Advisory Council, the Clerk of the County Freeholder Board, the County solid waste coordinator, and the host municipality upon its publication.
- (7) A public hearing is held on the application by the County Freeholders.
- (8) No substantive objections to the site are raised by the municipality, the Pinelands Commission, if applicable, and the County or any other person. If such substantive objections are raised, the proposed site and facility may be subject to a formal plan amendment process pursuant to N.J.S.A. 13:1E-23 and -24, including notice, public hearing, approval by the County Freeholders, and subsequent DEPE approval.
- (9) The recycling center owner shall keep, or cause to be kept, proper records of the type and amount of each material received, processed, stored and transferred, as well as the origin of each material.

- (10) The County Freeholders have approved the recycling center to be included in the County Plan under the blanket inclusion policy by duly adopted resolution and such resolution has been submitted to the Department, along with the detailed project description set forth in paragraph (1) above.

2. Cumberland County Response to Solid Waste Task Force Final Report

The County Plan has been reviewed to determine whether it fulfills the recommendations of the Emergency Solid Waste Assessment Task Force Final Report accepted by the Governor on November 16, 1990. As adopted, the County Plan has generally addressed the source reduction, recycling, and regionalization components of the Task Force Final Report. However, as noted in C.1. above, the County is directed to address certain deficiencies within a subsequent plan amendment submission relative to source reduction and recycling. The County is hereby directed to submit this required plan amendment within 180 days of the date of this certification.

D. Other Provisions Affecting the Plan Amendment

1. Contracts

Any contract renewal or new contract for solid waste collection or disposal which is inconsistent with this amendment to the County Plan and which was executed prior to the approval of this amendment and subsequent to the effective date of the Solid Waste Management Act (July 29, 1977), and which shall further be for a term in excess of one year, shall immediately be renegotiated in order to bring same into conformance with the terms and provisions herein set forth. Any solid waste collection operation or disposal facility registered by the Department and operating pursuant to a contract as herein described, shall be deemed to be in violation of this amendment and of the County Plan if such renegotiation is not completed within ninety (90) days of the effective date of this amendment provided, however, that any such registrant may, upon application to the Department, and for good cause shown, obtain an extension of time to complete such renegotiation.

2. Compliance

All solid waste facility operators and transporters registered with the Department and operating within the County and affected by the amendment contained herein shall operate in compliance with this amendment and all other approved provisions of the County Plan. Any facility operator or transporter who fails to comply with the provisions contained herein shall be deemed to be in violation of N.J.S.A. 13:1E-1 et seq., in violation of N.J.A.C. 7:26-1 et seq., and in violation of their registration to operate a solid waste facility or a collection system issued thereunder by the Department and shall be subject to the provisions and penalties of N.J.S.A. 13:1E-9 and 12 and all other applicable laws.

3. Types of Solid Wastes Covered by the District Solid Waste Management Plan

The provisions of the County Plan shall apply to all solid wastes defined in N.J.S.A. 13:1E-3 and N.J.A.C. 7:26-2.13 and shall not apply to liquid wastes, sewage sludge, septage, and hazardous wastes. All nonhazardous materials separated at the point of generation for sale or reuse are excluded from the waste flows designated in the Interdistrict and Intradistrict Solid Waste Flow Rules set forth at N.J.A.C. 7:26-6, but are subject to regulation in accordance with N.J.A.C. 7:26A-1 et seq.

4. Certification to Proceed with the Implementation of the Plan Amendment

This document shall serve as the certification of the Commissioner of the Department to the County Freeholders and pursuant to N.J.S.A. 13:1E-24c and f, the County shall proceed with the implementation of the approved amendment certified herein.

5. Definitions

For the purpose of this amendment and unless the context clearly requires a different meaning, the definitions of terms shall be the same as those found at N.J.S.A. 13:1E-3 and -99.12, N.J.A.C. 7:26-1.4 and -2.13, and N.J.A.C. 7:26A-1.3.

6. Effective Date of the Amendment

The amendment, as modified, to the County Plan contained herein shall take effect immediately.

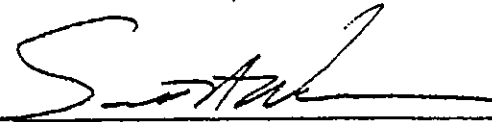
7. Reservation of Authority

Nothing contained herein shall be construed as a limitation on any other action taken by the Department pursuant to its authority under the law. The County Plan, including any amendment made thereto, shall conform with the Statewide Solid Waste Management Plan. The Department has published a Statewide Solid Waste Management Plan, with appendices, which includes the Department's planning guidelines, rules, regulations, orders of the Department, interdistrict and intradistrict waste flow rules, and also includes the compilation of individual district plans and amendments as they are approved.

E. Certification of Approval With Modifications of the Amendment by the Commissioner of the Department of Environmental Protection and Energy

In accordance with the requirements of N.J.S.A. 13:1E-1 et seq., I hereby approve with modifications the amendment, as outlined in Section C. of this certification, to the Cumberland County District Solid Waste Management Plan which was adopted by the Cumberland County Board of Chosen Freeholders on June 9, 1992. I hereby also require, as noted in Section C., the Cumberland County Board of Chosen Freeholders to address the noted deficiencies within the timeframe specified.

11/17/92
DATE



SCOTT A. WEINER
COMMISSIONER
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AND ENERGY

#1818



State of New Jersey
Department of Environmental Protection and Energy
Division of Solid Waste Management

CN 414
Trenton, NJ 08625-0414
Tel. # 609-530-8591
Fax. # 609-530-8899

Scott A. Weiner
Commissioner

Steven Gao
Director

STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION AND ENERGY
DIVISION OF SOLID WASTE MANAGEMENT
TELEFACSIMILE TRANSMITTAL FORM

PLEASE FORWARD TO:

FAX NUMBER: 609-825-8121

NO. OF PAGES INCLUDING THIS PAGE: 10

PERSON: Mr. Steven Wymba

ADDRESS: Camdenland City Improvement Authority

ADDRESS: _____

CITY: Millville STATE: N.J. ZIP: 08332

CONTACT PHONE NUMBER: _____

FROM:

PERSON: G.I. Mueller

BUREAU: State & County Planning

CONTACT PHONE NUMBER: 609-530-8203

SENDING FAX NUMBER

609-530-8899



State of New Jersey
Department of Environmental Protection and Energy
Office of the Commissioner
CN 402
Trenton, NJ 08625-0402
Tel. # 609-292-2885
Fax. # 609-984-3962

Scott A. Weiner
Commissioner

September 18, 1992

Honorable John R. Reinard
Director
Cumberland County Board of Chosen Freeholders
County Office Building
790 East Commerce Street
Bridgeton, New Jersey 08302

Dear Freeholder Director Reinard:

Enclosed please find the certification of a portion of the June 9, 1992 amendment to the Cumberland County District Solid Waste Management Plan. As you know, this is a multifaceted amendment which modified the disbursement of Resource Recovery Investment Tax (RRIT) Fund moneys and addressed the recommendations of the Governor's Emergency Solid Waste Assessment Task Force Final Report. The enclosed certification only addresses the modification to the RRIT Fund disbursement schedule. This expedited certification has been prepared at the request of the County. The response to the recommendations of the Task Force Final Report will be the subject of a later certification. The certification approves the modified disbursement of moneys from the RRIT Fund. Specifically, the County proposes to expend a projected \$3,151,891.00 from 1992 through 1997 for operational costs at the County's materials separation facility, bulky waste recycling facility, and proposed preprocessing and regional compost facilities as well as for 2% administrative expenses. However, the certification prohibits any RRIT Fund expenditures for the regional compost facility, pending DEPE plan amendment approval of such a site, and the preprocessing facility pending approval in the subsequent certification of the June 9, 1992 amendment.

Please note that amendments to the Solid Waste Management Act N.J.S.A. 13:1E-150d. further require that each County shall, by October 31 of each year in which moneys remain in its RRIT Fund, submit a financial and compliance audit. This audit is to be prepared by an independent public accountant and must be filed with the:

Executive Secretary
Local Finance Board
Department of Community Affairs
Division of Local Government Services
CN 800
Trenton, New Jersey 08625



State of New Jersey
Department of Environmental Protection and Energy
Office of the Commissioner
CN 402
Trenton, NJ 08625-0402
Tel. # 609-292-2885
Fax. # 609-984-3962

Scott A. Weiner
Commissioner

IN THE MATTER OF CERTAIN AMENDMENTS
TO THE ADOPTED AND APPROVED SOLID
WASTE MANAGEMENT PLAN OF THE
CUMBERLAND COUNTY SOLID WASTE
MANAGEMENT DISTRICT

CERTIFICATION
OF THE JUNE 9, 1992
AMENDMENT TO THE CUMBERLAND COUNTY
DISTRICT SOLID WASTE MANAGEMENT PLAN

BY ORDER OF THE COMMISSIONER:

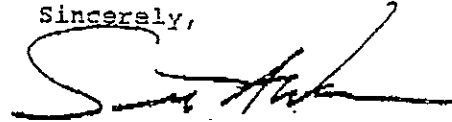
A. Introduction

The New Jersey Solid Waste Management Act (N.J.S.A. 13:1E-1 et seq.) established a comprehensive system for the management of solid waste in New Jersey. The Act designated all twenty-one (21) of the state's counties, and the Hackensack Meadowlands District, as Solid Waste Management Districts, and mandated that the Boards of Chosen Freeholders and the Hackensack Meadowlands Development Commission develop comprehensive plans for waste management in their respective districts. On March 4, 1981, the Department of Environmental Protection approved, with modifications, the Cumberland County District Solid Waste Management Plan (County Plan).

The Act requires that all district plans be based on and accompanied by a report detailing the existing waste disposal situation in the district, and a plan which includes the strategy to be followed by the district in meeting the solid waste management needs of the district for a ten-year planning period. The report must detail the current and projected waste generation for the district, inventory and appraise all facilities in the district, and analyze the waste collection and transportation systems which serve the district. The disposal strategy must include the maximum practicable use of resource recovery techniques. In addition to this strategy, the plan must designate sufficient available suitable sites for the disposal of the district's waste for a ten-year period, which sites may be in the district or, if none are available, in another district. (The Act provides procedures for reaching any necessary interdistrict agreements.)

I look forward to reviewing the County's strategy for addressing the recommendations of the Task Force Final Report.

Sincerely,



Scott A. Weiner
Commissioner

SAW:TH:lp
Enclosure
1790

The Act further provides that a district may review its plan at any time and, if found inadequate, a new plan must be adopted. Amendments to the Act found in N.J.S.A. 13:1E-136 et seq. require that, among other things, counties amend their County Plan to include an outline of the proposed uses of the moneys in the County Resource Recovery Investment Tax (RRIT) Fund, as well as establish a schedule for disbursement of the moneys in that fund.

The Cumberland County Board of Chosen Freeholders (County Freeholders) completed such a review and on June 9, 1992 adopted a multifaceted amendment to its approved County Plan. The June 9, 1992 amendment proposed a strategy for addressing the recommendations of the Emergency Solid Waste Assessment Task Force Final Report and modifications to the disbursement of RRIT Fund moneys. The latter proposal is the subject of this certification and has been expedited for review at the request of the County. The other proposal will be the subject of a subsequent certification.

The amendment was received by the Department of Environmental Protection and Energy (Department or DEPE) on July 9, 1992 and copies were distributed to various administrative review agencies for review and comment, as required by law. The Department has reviewed this amendment and has determined that the amendment adopted by the County Freeholders on June 9, 1992 is approved as provided in N.J.S.A. 13:1E-24.

B. Findings and Conclusions with Respect to the Cumberland County District Solid Waste Management Plan Amendment

Pursuant to N.J.S.A. 13:1E-24a(1), I have studied and reviewed the June 9, 1992 amendment to the County Plan according to the objectives, criteria, and standards developed in the Statewide Solid Waste Management Plan and N.J.S.A. 13:1E-150 and I find and conclude that this plan amendment is consistent with the Statewide Solid Waste Management Plan and N.J.S.A. 13:1E-150 in proposing an acceptable disbursement schedule for moneys in the County RRIT Fund.

In conjunction with the review of the amendment, the Department circulated copies to seventeen administrative review agencies and solicited their review and comment. Pursuant to N.J.S.A. 13:1E-24a(2) and (3), these agencies included various bureaus, divisions, and agencies within the department. These agencies are the following:

Office of Energy, DEPE
Division of Parks and Forestry, DEPE
Division of Fish, Game and Wildlife, DEPE
Division of Solid Waste Management, DEPE
Green Acres Program, DEPE
Groundwater Quality Management Element, DEPE
Land Use Regulation Element, DEPE

Wastewater Facilities Regulation Element, DEPE
New Jersey Turnpike Authority
New Jersey Advisory Council on Solid Waste Management
Department of Agriculture
Department of Health
Department of Transportation
Department of Community Affairs
Department of the Public Advocate
U.S. Environmental Protection Agency
Pinelands Commission

1. Agency Participation in the Review of the June 9, 1992 Amendment

The following agencies did not object to the proposed plan amendment:

Land Use Regulation Element, DEPE
Division of Fish, Game and Wildlife, DEPE
Green Acres Program, DEPE
Department of Agriculture
Department of Transportation

The following agencies did not respond to the Department's requests for comments:

Office of Energy, DEPE
Groundwater Quality Management Element, DEPE
Wastewater Facilities Regulation Element, DEPE
Division of Parks and Forestry, DEPE
Pinelands Commission
New Jersey Turnpike Authority
New Jersey Advisory Council on Solid Waste Management
Department of Health
Department of Community Affairs
Department of the Public Advocate
U.S. Environmental Protection Agency

The following agency submitted substantive comments which are further addressed below:

Division of Solid Waste Management, DEPE

2. Comments Received for the June 9, 1992 Amendment

Issue: RRIT Fund Use and Disbursement

On June 9, 1992 the County Freeholders adopted an amendment to their County Plan which reaffirmed the use of moneys from the RRIT Fund and provided a modified schedule for disbursement of those moneys. The amendment reaffirmed the use of moneys to finance operational costs at the County's materials separation facility (recycling center), bulky waste recycling facility, and proposed preprocessing and regional compost facilities. The preprocessing facility is planned to be located at the site of the County landfill in Deerfield Township and will sort solid waste prior to delivery to a regional compost facility. The plan inclusion of this facility is being addressed in the certification of the other portion of the June 9, 1992 amendment. However, a site for the regional compost facility has not been selected pending regionalization discussions.

These uses of the RRIT Fund were previously approved by the Department in its January 3, 1992 certification of the County's July 18, 1991 plan amendment. However, at that time, the Department indicated the need for further clarification of the County's proposed resource recovery system prior to authorizing RRIT Fund expenditures for that proposal. The County has now satisfied that requirement by specifying that the resource recovery system will comprise the materials separation facility, the bulky waste recycling facility, the preprocessing facility and the use of a regional compost facility. Also, the need to modify the disbursement schedule arose from decreased revenues credited to the County's RRIT Fund due to a reduction in the quantity of solid waste received at the County landfill. The Department previously approved, in the above noted certification, a disbursement schedule for the County's RRIT Fund which restricted the disbursement of RRIT Fund moneys for the approved uses to \$400,000.00 in any individual calendar year through 1997. As proposed in the June 9, 1992 amendment, the amount of disbursements from the County's RRIT Fund for the years 1992 through 1997 will total \$3,151,891.00 and will vary, depending upon the volume of material handled by each facility, the price of recyclable material and the operating costs for each facility, from a maximum of \$700,000.00 in 1993 to a minimum of \$252,624.00 in 1997. The County will also use 2% of the available RRIT Fund moneys for administrative purposes as permitted by N.J.S.A. 13:1E-136.

The modified disbursement schedule for the County's RRIT Fund is consistent with the requirements of N.J.S.A. 13:1E-150c. and is also consistent with the Department's content and format criteria for provisions of a disbursement schedule. However, RRIT Fund expenditures for the regional compost facility should be withheld until such a site receives DEPE plan amendment approval. Also, RRIT Fund expenditures for the preprocessing facility should be withheld pending approval of this facility in the subsequent certification of the June 9, 1992 amendment.

The County Freeholders are hereby notified of these comments.

C. Certification of the Cumberland County District Solid Waste Management Plan Amendment

In accordance with N.J.S.A. 13:1E-1 et seq., specifically N.J.S.A. 13:1E-21, which establishes specific requirements regarding the contents of the district solid waste management plans and N.J.S.A. 13:1E-150 which establishes eligible uses and disbursement schedule requirements for a County's RRIT Fund, I have reviewed the June 9, 1992 amendment to the approved County Plan and certify to the County Freeholders that the June 9, 1992 amendment is approved as further specified below.

The County Plan inclusion of the modified disbursement schedule for moneys from the County's RRIT Fund is approved. Previously, in the Department's January 3, 1992 certification of the July 18, 1991 amendment, the Department had approved the uses of and modifications to the disbursement schedule of the County RRIT Fund. However, regarding the approved uses, the Department had indicated the need for further clarification of the County's proposed resource recovery system prior to authorizing RRIT Fund expenditures for that proposal. Also, the certification restricted the

disbursement of RRIT Fund moneys to \$400,000.00 in any individual calendar year through 1997. Within the June 9, 1992 amendment, the County has reaffirmed the use of RRIT Fund moneys to finance the County's resource recovery system comprising the materials separation facility, the bulky waste processing facility, and the proposed preprocessing and regional compost facilities. This designation sufficiently clarifies for the Department the County's proposed resource recovery system.

Therefore, the Department finds that the disbursement schedule for RRIT Fund moneys totaling \$3,151,891.00 for the years 1992 through 1997 is approved. Also approved is the use of 2% of the available RRIT Fund moneys for administrative purposes as permitted by N.J.S.A. 13:1E-136. However, the County is prohibited from expending RRIT Fund moneys for the planned regional compost facility, pending DEPE plan amendment approval of such a site, and the preprocessing facility pending approval in the subsequent certification of the June 9, 1992 amendment. The disbursements will vary according to the following schedule:

<u>1992</u>	<u>1993</u>	<u>1994</u>	<u>1995</u>	<u>1996</u>	<u>1997</u>
\$600,000	\$700,000	\$610,516	\$489,410	\$499,341	\$252,624

D. Other Provisions Affecting the Plan Amendment

1. Contracts

Any contract renewal or new contract for solid waste collection or disposal which is inconsistent with this amendment to the County Plan and which was executed prior to the approval of this amendment and subsequent to the effective date of the Solid Waste Management Act (July 29, 1977), and which shall further be for a term in excess of one year, shall immediately be renegotiated in order to bring same into conformance with the terms and provisions herein set forth. Any solid waste collection operation or disposal facility registered by the Department and operating pursuant to a contract as herein described, shall be deemed to be in violation of this amendment and of the County Plan if such renegotiation is not completed within ninety (90) days of the effective date of this amendment provided, however, that any such registrant may, upon application to the Department, and for good cause shown, obtain an extension of time to complete such renegotiation.

2. Compliance

All solid waste facility operators and transporters registered with the Department and operating within the County and affected by the amendment contained herein shall operate in compliance with this amendment and all other approved provisions of the County Plan. Any facility operator or

transporter who fails to comply with the provisions contained herein shall be deemed to be in violation of N.J.S.A. 13:1E-1 et seq., in violation of N.J.A.C. 7:26-1 et seq., and in violation of their registration to operate a solid waste facility or a collection system issued thereunder by the Department and shall be subject to the provisions and penalties of N.J.S.A. 13:1E-9 and 12 and all other applicable laws.

3. Types of Solid Wastes Covered by the District Solid Waste Management Plan

The provisions of the County Plan shall apply to all solid wastes defined in N.J.S.A. 13:1E-3 and N.J.A.C. 7:26-2.13 and shall not apply to liquid wastes, sewage sludge, septage, and hazardous wastes. All nonhazardous materials separated at the point of generation for sale or reuse are excluded from the waste flows designated in the Interdistrict and Intradistrict Solid Waste Flow Rules set forth at N.J.A.C. 7:26-6, but are subject to regulation in accordance with N.J.A.C. 7:26A-1 et seq.

4. Certification to Proceed with the Implementation of the Plan Amendment

This document shall serve as the certification of the Commissioner of the Department to the County Freeholders and pursuant to N.J.S.A. 13:1E-24c and f, the County shall proceed with the implementation of the approved amendment certified herein.

5. Definitions

For the purpose of this amendment and unless the context clearly requires a different meaning, the definitions of terms shall be the same as those found at N.J.S.A. 13:1E-3 and -99.12, N.J.A.C. 7:26-1.4 and -2.13, and N.J.A.C. 7:26A-1.3.

6. Effective Date of the Amendment

The amendment to the County Plan contained herein shall take effect immediately.

7. Reservation of Authority


Nothing contained herein shall be construed as a limitation on any other action taken by the Department pursuant to its authority under the law. The County Plan, including any amendment made thereto, shall conform with the Statewide Solid Waste Management Plan. The Department has published a Statewide Solid Waste Management Plan, with appendices, which includes the Department's planning guidelines, rules, regulations, orders of the Department, interdistrict and intradistrict waste flow rules, and also includes the compilation of individual district plans and amendments as they are approved.

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E. Certification of Approval of the Amendment by the Commissioner of the Department of Environmental Protection and Energy

In accordance with the requirements of N.J.S.A. 13:1E-1 et seq., I hereby approve the amendment, as outlined in Section C. of this certification, to the Cumberland County District Solid Waste Management Plan which was adopted by the Cumberland County Board of Chosen Freeholders on June 9, 1992.

DATE

9-18-92

SCOTT A. WEINER

COMMISSIONER

DEPARTMENT OF ENVIRONMENTAL PROTECTION
AND ENERGY

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