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# **Solid Waste Management Plan Amendment**

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**Waste Flow to Edgeboro**

**January 1985**

Certified by NJDEP on:  
8/19/85



STATE OF NEW JERSEY  
 DEPARTMENT OF ENVIRONMENTAL PROTECTION  
 ROBERT E. HUGHEY, COMMISSIONER  
 CN 402  
 TRENTON, N.J. 08625  
 609 - 292 - 2885

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

CERTIFICATION  
 OF THE FEBRUARY 20, 1985 AMENDMENT  
 TO THE MORRIS 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 January 29, 1981, the Department approved, with modifications, the Morris County District Solid Waste Management 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 the 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 the 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 Morris County Board of Chosen Freeholders completed such a review and on February 20, 1985, adopted an amendment to its approved district solid waste management plan. The amendment was received by the Department of Environmental Protection on March 21, 1985 and copies were distributed to various state level agencies for review and comment, as required by law.

Of the sixteen state level review agencies contacted as part of this process, three had specific comments as addressed in the attached memorandum from Dr. Marwan M. Sadat, Director, Division of Waste Management to George J. Tyler, Assistant Commissioner for Environmental Management and Control.

The Department has reviewed this amendment, as well as the entire Morris County District Solid Waste Management Plan, and has determined that the amendment adopted by the Morris County Board of Chosen Freeholders on February 20, 1985 is approved as provided in N.J.S.A. 13:1E-24. With regard to the district's plan, while the requirements of the act concerning the report have been met, the district's plan remains deficient in some important ways.

B. Certification of Morris County District Solid Waste Management Plan Amendment

I, Robert E. Hughey, Commissioner of the Department of Environmental Protection, in accordance with N.J.S.A. 13:1E-1 et seq. and N.J.S.A. 13:1E-21, which established specific requirements regarding the contents of the district solid waste management plans, have reviewed the February 20, 1985 amendment to the approved Morris County District Solid Waste Management Plan and certify to the Morris County Board of Chosen Freeholders that the February 20, 1985 amendment is approved as further specified below.

The inclusion in the plan of the solid waste flow redirection, for certain Morris County municipalities, from the Hamm's Landfill in Lafayette Township, Sussex County to the Edgeboro Landfill in East Brunswick Township, Middlesex County, is approved. Specifically, all solid waste types 10, 13, 23, 25 and 27 generated from within the Morris County municipalities of Boonton, Boonton Township, Butler, Denville, Dover, Jefferson, Kinnelon, Lincoln Park, Mine Hill, Montville, Mountain Lakes, Mount Olive, Netcong, Pequannock, Riverdale, Rockaway Borough, Rockaway Township, Roxbury, Victory Gardens, and Wharton are redirected to the Edgeboro Landfill, facility number 1204A, located in East Brunswick Township, Middlesex County.

These waste flow changes are approved for inclusion in the county plan. Final disposition of such proposed changes in the state waste flow rules will be determined pursuant to formal rulemaking by the Department and the Board of Public Utilities in accordance with N.J.A.C. 7:26-6.6.

The Department has reviewed the entire Morris County District Solid Waste Management Plan, including this amendment, to determine whether the plan fulfills the requirements set forth in N.J.S.A. 13:1E-21. The result of that review is as follows:

1. N.J.S.A. 13:1E-21b(1) requires the designation of a department, unit, or committee of county government . . . to supervise the implementation of the county's solid waste management plan.

The approved Morris County Plan contains no designation as to the supervision of plan implementation. Therefore, the Morris County Plan is deficient for not complying with the requirements of N.J.S.A. 13:1E-21b(1).

2. N.J.S.A. 13:1E-21b(2) requires a statement of the solid waste disposal strategy to be applied . . . which strategy shall include the maximum practicable use of resource recovery procedures and a plan for using terminated landfill disposal sites . . . in the Solid Waste Management District.

The Morris County Plan is deficient in regard to N.J.S.A. 13:1E-21b(2) as a result of its failure to provide a plan for the use of terminated landfill disposal sites.

3. N.J.S.A. 13:1E-21b(3) requires a site plan which shall include all existing solid waste disposal facilities located within the Solid Waste Management District . . . and sufficient additional available suitable sites to provide solid waste facilities to treat and dispose of the actual and projected amounts of solid waste contained in the report accompanying the plan.

The February 20, 1985 Amendment provides for interim solid waste disposal at the Edgeboro Landfill, located in East Brunswick Township, Middlesex County for the Morris County municipalities affected by the court ordered closure of the Hamm's Landfill.

Provisions of the January 9, 1985 administrative consent order between Morris County and the Department provide a schedule for the implementation of long term solid waste disposal facilities. However, until sites are included in the plan pursuant to the administrative consent order, the plan remains deficient in meeting the requirements of N.J.S.A. 13:1E-21b(3).

4. N.J.S.A. 13:1E-21b(5) requires procedures for coordinating all activities related to the collection and disposal . . . within the Solid Waste Management District, which procedures shall include the agreements entered into as provided herein between the Board of Chosen Freeholders . . . and every such person, and the procedures for furnishing the solid waste facilities contained in the Solid Waste Management Plan.

The solid waste management act requires districts which import or export waste to reach formal interdistrict agreements. No such agreements exist between Morris County and the districts to which Morris County exports its solid waste. Therefore, the Morris County Solid Waste Management Plan is deficient in meeting the requirements of N.J.S.A. 13:1E-21b(5).

5. N.J.S.A. 13:1E-21b(6) requires a method or methods of financing solid waste management in the solid waste management district pursuant to the solid waste management plan.

Morris County has not submitted to the DEP a specific plan for financing solid waste management within the district. Therefore, Morris County has not complied with N.J.S.A. 13:1E-21b(6) and this section of the Morris County District Solid Waste Management Plan is deficient.

C. Other Provisions Affecting the Plan Amendment

1. Contracts

Any contract renewal or new contract for solid waste collection or disposal which is inconsistent with the within amendment to the Morris County District Solid Waste Management 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 of Environmental Protection and operating pursuant to a contract as herein described, shall be deemed to be in violation of this amendment and of the Morris County District Solid Waste Management 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 of Environmental Protection and for good cause shown, obtain an extension of time to complete such renegotiation.

2. Compliance

All solid waste facility operators and collector/haulers registered with the Department of Environmental Protection and operating within Morris County and affected by the amendment contained herein shall operate in compliance with this amendment and all other approved provisions of the Morris County District Solid Waste Management Plan. Any facility operator or collector/hauler 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 of Environmental Protection and shall be subject to the provisions and penalties of N.J.S.A. 13:1E-9, 10, and 12 and all other applicable laws.

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

The provisions of the Morris County District Solid Waste Management 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.

Also, all non-hazardous 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 (N.J.A.C. 7:26-6) which are part of the Morris County District Solid Waste Management Plan.

4. Certification to Proceed with the Implementation of Plan Amendment

This document shall serve as the certification of the Commissioner of the Department of Environmental Protection to the Morris County Board

of Chosen Freeholders, as provided for by N.J.S.A. 13:1E-24f., to proceed with the implementation of the approved amendment contained 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 N.J.A.C. 7:26-1.4 and -2.13.

6. Effective Date of Amendment

The approved amendment to the Morris County District Solid Waste Management Plan contained herein shall take effect immediately.

Final disposition of such proposed changes in the state waste flow rules will be determined pursuant to formal rulemaking by the Department and the Board of Public Utilities in accordance with N.J.A.C. 7:26-6.6.

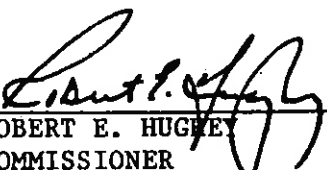
7. Reservation of Authority

Nothing contained herein shall be construed as a limitation on any other action taken by the Department of Environmental Protection pursuant to its authority under the law. The Morris County District Solid Waste Management 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 and rules, regulations, and orders of the Department, including the interdistrict and intradistrict waste flow rules, and also includes the compilation of individual district plans and amendments as they are approved.

D. Certification of Approval of the Amendment and Notification of Deficiencies by the Commissioner of the Department of Environmental Protection

In accordance with the requirements of N.J.S.A. 13:1E-1 et seq., I hereby approve the amendment, as outlined in Section B of this certification, to the Morris County District Solid Waste Management Plan which was adopted by the Morris County Board of Chosen Freeholders on February 20, 1985, and further direct the Morris County freeholders to remedy those deficiencies outlined in Section B of this certification within 90 days of the date of this certification.

8/19/85  
DATE

  
ROBERT E. HUGHEY  
COMMISSIONER  
DEPARTMENT OF ENVIRONMENTAL PROTECTION

**MORRIS COUNTY**

**SOLID WASTE MANAGEMENT**

**PLAN AMENDMENT**

**JANUARY, 1985**

## INTRODUCTION

Morris County is designated as a solid waste management district pursuant to the New Jersey Solid Waste Management Act (N.J.S.A. 13:1E-19). The Solid Waste Management Act requires the Morris County Board of Chosen Freeholders to prepare and implement a long range solid waste management plan. This plan must provide a comprehensive strategy for the collection, processing, and disposal of solid waste generated within the County.

Morris County's initial solid waste management plan was prepared in 1979 and adopted by the Board of Chosen Freeholders and submitted to the New Jersey Department of Environmental Protection (DEP) in December, 1979. After subsequent modification by the County, the Solid Waste Management Plan was approved by DEP, with additional modifications, in January 1981.

This Amendment to the Morris County Solid Waste Management Plan reflects the waste flow redirection of the Morris County solid waste that had been disposed of at Hamm's Sanitary Landfill in Sussex County to Edgeboro Landfill in Middlesex County.

This proposed amendment which reflects the waste flow redirection into the County Solid Waste Plan is a necessary requirement to the continuing provision of in-state disposal capacity for that portion of Morris County's solid waste.

## BACKGROUND

The original District Plan, as submitted by the County, called for the upgrading of the Combe Fill North (Mt. Olive Twp.) and Combe Fill South (Chester/Washington Twps.) landfills, and the expansion of Combe Fill North. This strategy would have provided for interim disposal until resource recovery facilities were implemented.

Subsequent modifications to the District Plan, and other DEP actions, resulted in the termination of disposal at Combe Fill North and Combe Fill



South. The last remaining regional landfill in Morris County, Combe Fill South, closed on November 10, 1981. Subsequently, nearly all Morris County municipal and industrial solid waste was redirected to other district landfills by DEP pursuant to the New Jersey Solid Waste Management Act (N.J.S.A. 13:1E-1 et seq). Mount Arlington Borough, the one exception, operates a small landfill (DEP #1426A) which accepts municipal, bulky and vegetative waste generated within the Borough.

Twenty municipalities were redirected to Hamm's Landfill in Sussex County, 17 to Edgeboro Landfill in Middlesex County, and 1 to High Point Landfill in Warren County. In September 1983, waste previously directed to the High Point Landfill was redirected to the Ocean County Landfill Corp. landfill (DEP #1518B) located in Manchester Township, Ocean County, New Jersey. As a result of the closing of High Point Landfill, waste from Washington Township was redirected to the Ocean County Landfill.

Morris County was directed by DEP to explore new landfill disposal options both within and outside of the County. An extensive study was performed cooperatively by County staff and qualified consultants to locate a landfill within Morris County. After nearly two years of study the Board of Chosen Freeholders determined that a suitable landfill site did not exist in Morris County. This decision was due primarily to the County population's heavy reliance on groundwater and the County's headwater resources which supply surface water to surrounding regions through three major drainage basins (Delaware, Passaic and Raritan). Consequently, the majority of the County's solid waste has been exported to Sussex and Middlesex Counties for disposal.

After several extensions were granted, the Superior Court of New Jersey determined that Hamm's Landfill in Sussex County had reached it's design capacity and was in fear of collapsing and, therefore, ordered the closure of the landfill effective December 8, 1984. The twenty Morris County municipalities who were utilizing the Hamm's facility had no legal in-state landfill to

dispose of their waste. The majority of this waste remained uncollected until the DEP was ordered by the Appellate Division of Superior Court to redirect this waste on December 19, 1984.

Under an emergency redirection order, DEP directed the solid waste from those twenty municipalities to the Edgeboro Landfill in Middlesex County. This emergency redirection was to remain in effect until January 10, 1985. On January 9, 1985 DEP agreed, in accordance with the regulations promulgated pursuant to the Solid Waste Management Act, to redirect the solid waste flow from Morris County that had been disposed of at the Hamm's Landfill to the Edgeboro Landfill.

#### PLAN AMENDMENT

The Morris County Board of Chosen Freeholders proposes to amend the Morris County Solid Waste Management Plan to include the waste flow redirection of the Morris County solid waste that had been disposed of at Hamm's Sanitary Landfill in Sussex County to Edgeboro Landfill in Middlesex County.

Figure 1 shows the disposal locations for Morris County solid waste prior to the closure of Hamm's Landfill. Twenty municipalities were directed to Hamm's Landfill, 17 to Edgeboro Landfill, 1 to Ocean County Landfill and Mt. Arlington Borough to its own municipal landfill.

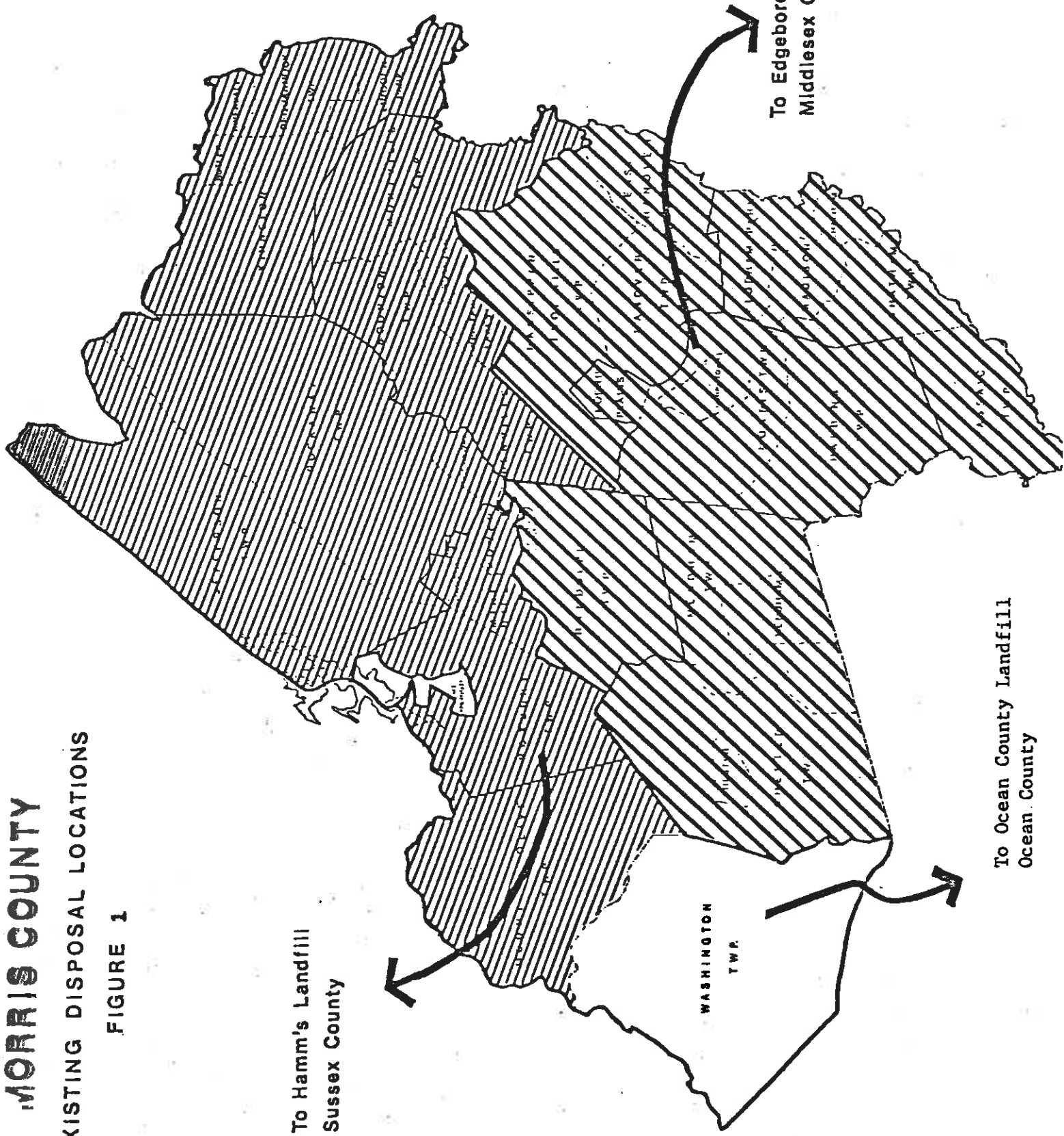
As a result of the closure of Hamm's and the subsequent redirection of those 20 municipalities to the Edgeboro Landfill, 37 municipalities in Morris County are now directed to the Edgeboro facility. Washington Township continues to be directed to Ocean County Landfill in Ocean County and Mt. Arlington will continue to utilize their municipal landfill (see Figures 2 and 3).

A full description of the interdistrict waste flows as per this recent redirection is presented in Table 1. This information, which includes sending municipalities, receiving facility, facility location, DEP facility number, waste types and approximate annual waste flows, pertain to the 20 affected municipalities. A collection/haul analysis (Table 2) which indicates

# MORRIS COUNTY

## EXISTING DISPOSAL LOCATIONS

FIGURE 1



To Ocean County Landfill  
Ocean County

To Edgeboro Landfill  
Middlesex County

To Hamm's Landfill  
Sussex County

MORRIS COUNTY

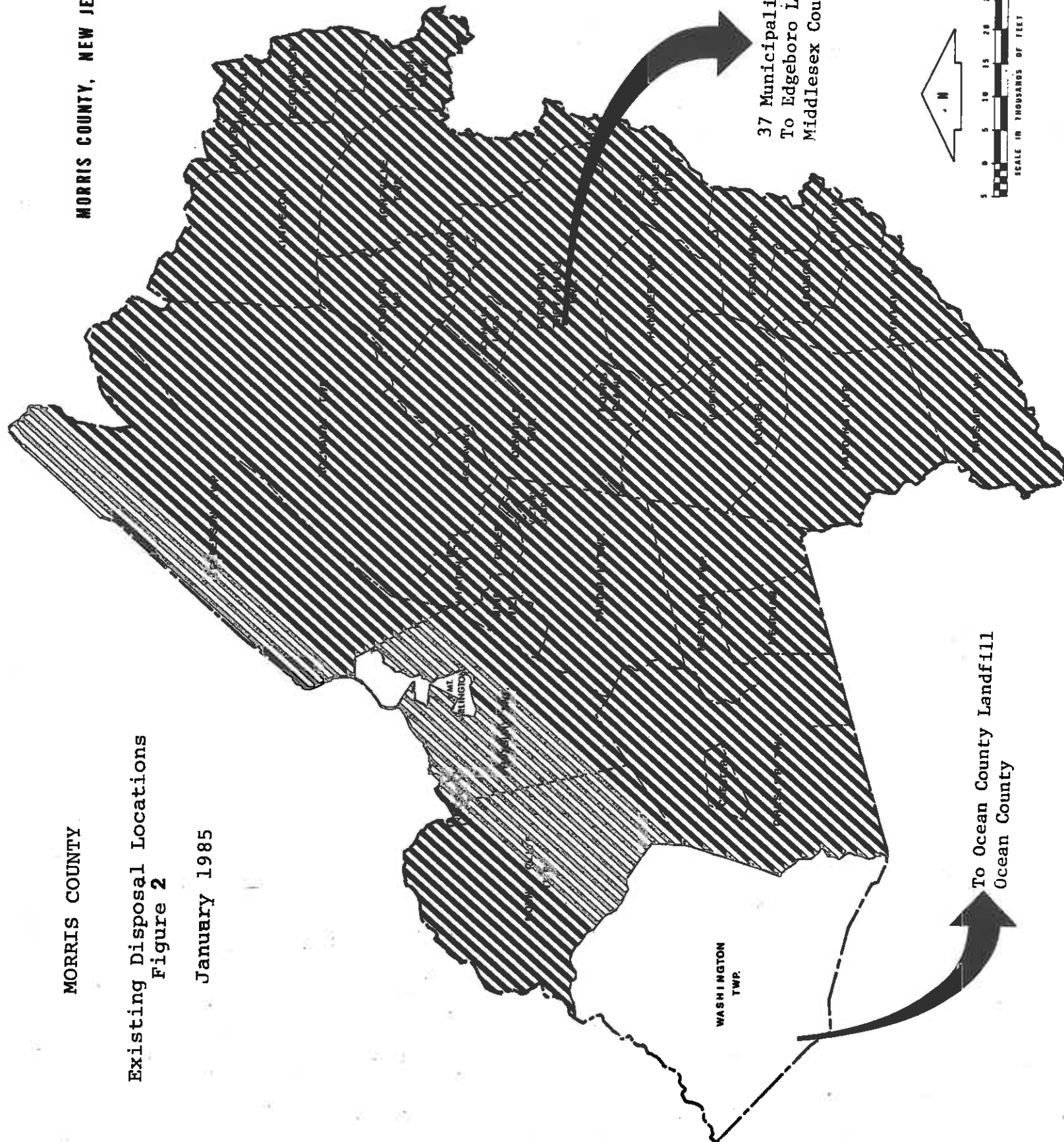
MORRIS COUNTY, NEW JERSEY

Existing Disposal Locations  
Figure 2

January 1985

37 Municipalities  
To Edgeboro Landfill  
Middlesex County

To Ocean County Landfill  
Ocean County



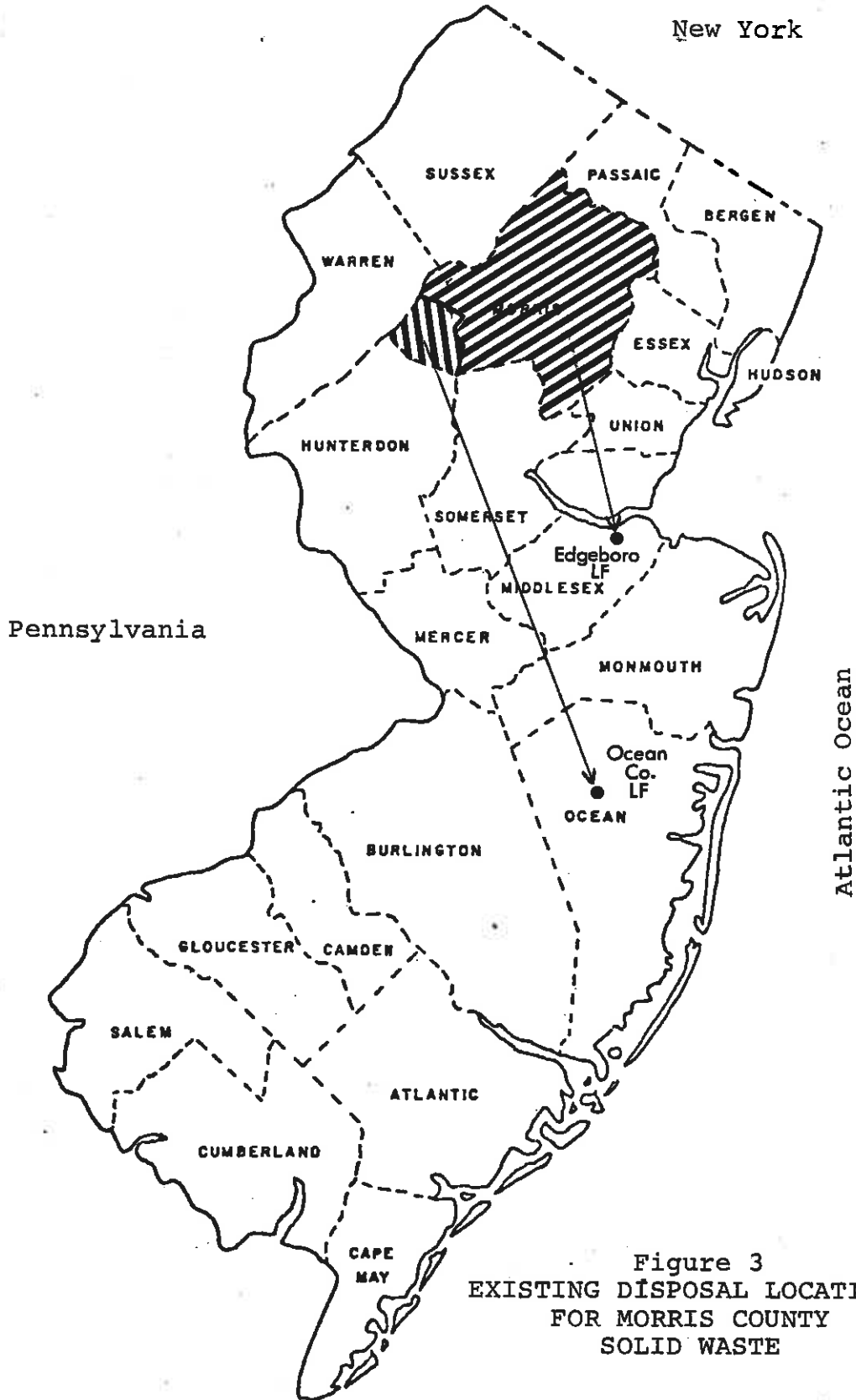


Figure 3  
EXISTING DISPOSAL LOCATIONS  
FOR MORRIS COUNTY  
SOLID WASTE

TABLE 1

INTERDISTRICT WASTE FLOWS AS PER RECENT REDIRECTION  
Waste Exported to Other Districts

Sending District/ Municipality	Receiving Facility	Facility Location	DEP #	Waste Types	Approximate Annual Waste Flow (1985) (tons)
Morris County	Edgeboro	East Brunswick			
Boonton Town	Disposal	Middlesex Co.	1204A	10, 13, 23, 27	7792
Boonton Twp.	"	"	"	10, 13, 23, 27	3735
Butler Boro	"	"	"	10, 13, 23, 27	6150
Denville Twp.	"	"	"	10, 13, 23, 27	13680
Dover Town	"	"	"	10, 13, 23, 27	16114
Jefferson Twp.	"	"	"	10, 13, 23, 27	10228
Kinnelon Boro	"	"	"	10, 13, 23, 27	5173
Lincoln Park Boro	"	"	"	10, 13, 23, 27	6985
Mine Hill Twp.	"	"	"	10, 13, 23, 27	1876
Montville Twp.	"	"	"	10, 13, 23, 27	13783
Mt. Olive Twp.	"	"	"	10, 13, 23, 27	13265
Mountain Lakes Boro	"	"	"	10, 13, 23, 27	2943
Netcong Boro	"	"	"	10, 13, 23, 27	2985
Pequannock Twp.	"	"	"	10, 13, 23, 27	10827
Riverdale Boro	"	"	"	10, 13, 23, 27	2435
Rockaway Boro	"	"	"	10, 13, 23, 27	6587
Rockaway Twp.	"	"	"	10, 13, 23, 27	18573
Roxbury Twp.	"	"	"	10, 13, 23, 27	16164
Victory Gardens Boro	"	"	"	10, 13, 23, 27	579
Wharton Boro	"	"	"	10, 13, 23, 27	5533

TABLE 2

COLLECTION/HAUL ANALYSIS  
(Based on Recent Redirection)

Municipality	Disposal Facility	Distance (one way) (miles)	Primary Route(s)	Utilization Of Transfer Station (No) or (Name of Facility)
Boonton Town	Edgeboro Disposal #1204A	44	I-287, NJ 18	No
Boonton Twp.	"	45	I-287, NJ 18	"
Butler Boro	"	60	NJ 23, I-80, I-287, NJ 18	"
Deruille Twp.	"	43	I-80, I-287, NJ 18	"
Dover Town	"	48	US 46, I-287, NJ 18	"
Jefferson Twp.	"	60	MC 699, NJ 15, I-80, I-287, NJ18	"
Kinnelon Boro	"	50	MC 618, I-287, NJ 18	"
Lincoln Park Boro	"	51	US 202, I-287, NJ 18	"
Mine Hill Twp.	"	51	US 46, I-80, I-287, NJ 18	"
Montville Twp.	"	47	MC 621, I-80, I-287, NJ 18	"
Mt. Olive Twp.	"	60	US 46, I-80, I-287, NJ 18	"
Mt. Lakes Boro	"	45	MC 618, US 46, I-287, NJ 18	"
Netcong Boro	"	58	US 206, I-80, I-287, NJ 18	"
Pequannock Twp.	"	54	NJ 23, I-80, I-287, NJ 18	"
Riverdale Boro	"	57	NJ 23, I-80, I-287, NJ 18	"
Rockaway Boro	"	45	US 46, I-80, I-287, NJ 18	"
Rockaway Twp.	"	46	US 46, I-80, I-287, NJ 18	"
Roxbury Twp.	"	54	I-80, I-287, NJ 18	"
Victory Gardens	"	50	US 46, I-80, I-287, NJ 18	"
Wharton	"	50	I-80, I-287, NJ 18	"

approximate distances to Edgeboro Landfill and primary routes is also provided for those 20 municipalities. Tables 3 and 4 present a description of interdistrict waste flows and a collection/haul analysis for those 17 municipalities previously directed to Edgeboro Landfill in November 1981, in addition to Washington Township (Ocean County Landfill) and Mt. Arlington Borough (Mt. Arlington Landfill).

A transportation and disposal cost analysis was prepared for the 37 municipalities now directed to Edgeboro Landfill and for Washington Township which is directed to Ocean County Landfill. Results of this analysis are presented in Table 5. It should be noted that total transport and disposal cost for those twenty municipalities redirected from Hamm's Landfill to Edgeboro Landfill is estimated at \$6,238,938 (\$38.97/ton) in 1985.

There are three types of collection systems which are being practiced in Morris County. First is the municipal collection system whereby solid waste is collected by municipal employees and hauled in municipal vehicles. This system is usually operated through the municipal Department of Public Works. Second is the municipal contract collection system whereby waste is collected and hauled by one or more private contractors who are awarded the contract through public bidding. Third is the private collection system whereby waste is collected and hauled by private contractors who deal directly with the household, business, or other waste generator. The cost of collection in municipal collection and municipal contract systems is through general tax revenues, whereas in the private collection system, individuals pay for their own waste disposal.

Table 6 summarizes the existing solid waste collection practices in Morris County. Seven municipalities utilize municipal collection for residential solid waste. The remaining 32 municipalities are divided evenly, 16 utilizing municipal contract and 16 utilizing private collection. The



majority of the commercial and industrial waste in Morris County is collected and hauled by private contractors.

Table 7 lists contract information, including contractor, contract period and cost, for those municipalities with municipal contracts for residential waste collection. The list of contractors who provide service to those municipalities which have private collection is shown in Table 8.

The sources for the above information included the State Board of Public Utilities, municipal interviews, N.J.D.E.P. collector/hauler reports, and the 1982 Morris County Industrial Waste Survey.

This proposed plan amendment is in conformance with Morris County's Solid Waste Management Plan by providing for the disposal of solid waste generated within the County.

To insure the broadest possible participation by the general public in this Plan Amendment process, the Morris County Board of Chosen Freeholders will conduct a public hearing before March 9, 1985. All County residents, public officials or organizations interested in this action are encouraged to attend and offer testimony.

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

Morris County Board of Chosen Freeholders  
Courthouse  
Morristown, New Jersey 07960

OR

Morris County Planning Board  
Courthouse  
Morristown, New Jersey 07960  
Attention: Glenn W. Schweizer, Solid Waste Coordinator

TABLE 3

EXISTING INTERDISTRICT WASTE FLOWS  
Waste Exported to Other Districts

<u>Sending District/ Municipality</u>	<u>Receiving Facility</u>	<u>Facility Location</u>	<u>DEP #</u>	<u>Waste Types</u>	<u>Approximate Annual Waste Flow (1985) (tons)</u>
Morris County	Edgeboro	East Brunswick	1204A	10, 13, 23, 27	7300
Chatham Boro	Disposal	Middlesex Co.	"	10, 13, 23, 27	6117
Chatham Twp.	"	"	"	10, 13, 23, 27	1932
Chester Boro	"	"	"	10, 13, 23, 27	4026
Chester Twp.	"	"	"	10, 13, 27	14357
East Hanover Twp.	"	"	"	10, 13, 23, 27	18049
Florham Park Boro	"	"	"	10, 13, 23, 27	20962
Hanover Twp.	"	"	"	10, 13, 23, 27	2581
Harding Twp.	"	"	"	10, 13, 23, 27	12258
Madison Boro	"	"	"	10, 27	3752
Mendham Boro	"	"	"	10, 13, 23, 27	2844
Mendham Twp.	"	"	"	10, 13, 23, 27	15060
Morris Twp.	"	"	"	10, 13, 23, 27	12324
Morris Plains Boro	"	"	"	10, 13, 27	32241
Morristown	"	"	"	10, 13, 23, 27	49884
Par-Troy Twp.	"	"	"	10, 13, 23, 27	5498
Passaic Twp.	"	"	"	10, 13, 23, 27	14527
Randolph Twp.	"	"	"	10, 13, 23, 27	8211
Washington Twp.	Ocean County Landfill Corp. Landfill	Ocean County	1518B	10, 13, 23, 27	

TABLE 4

COLLECTION/HAUL ANALYSIS  
(Based on Existing Waste Flows)

Municipality	Disposal Facility	Distance (one way) (miles)	Primary Route(s)	Utilization of Transfer Station (No) or (Name of Facility)
Chatham Boro	Edgeboro Disposal Facility #1204A	35 miles	NJ 24, I-78, NJ TPK, NJ 18	No
Chatham Twp.	"	37	NJ 24, I-78, NJ TPK, NJ 18	"
Chester Boro	"	31	US 206, I-287, NJ 18	"
Chester Twp.	"	31	US 206, I-287, NJ 18	"
East Hanover Twp.	"	42	NJ 10, I-287, NJ 18	"
Florham Park Boro	"	39	NJ 24, I-78, NJ TPK, NJ 18	"
Hanover Twp.	"	38	NJ 10, I-287, NJ 18	"
Harding Twp.	"	32	US 202, I-287, NJ 18	"
Madison Boro	"	37	NJ 24, I-78, NJ TPK, NJ 18	"
Mendham Boro	"	34	MC 646, US 202, I-287, NJ 18	"
Mendham Twp.	"	34	MC 646, US 202, I-287, NJ 18	"
Morris Twp.	"	32	I-287, NJ 18	"
Morris Plains Boro	"	41	NJ 10, I-287, NJ 18	"
Morristown Town	"	32	I-287, NJ 18	"
Par-Troy Twp.	"	40	I-287, NJ 18	"
Passaic Twp.	"	29	I-78, I-287, NJ 18	"
Randolph Twp.	"	46	NJ 10, I-287, NJ 18	"
Washington Twp.	"	72	US 206, I-287, NJ 18, US 9	"
Mount Arlington Boro	Ocean County Landfill Corp. Landfill #1518B Mt. Arlington SLF Facility #1426A	1	Local roads	"

TABLE 5

ESTIMATED TOTAL ANNUAL TRANSPORT AND DISPOSAL COST

Morris County - 1985

<u>Municipality</u>	<u>Transport</u> <sup>1</sup>	<u>Disposal</u> <sup>2</sup>	<u>Total</u>
BOONTON	\$ 192,610	\$ 72,448	\$ 265,058
BOONTON TWP.	94,432	34,730	129,162
BUTLER	207,300	57,180	264,480
CHATHAM	143,535	67,872	211,407
CHATHAM TWP.	127,150	56,874	184,024
CHESTER	33,650	17,965	51,615
CHESTER TWP.	70,122	37,436	107,558
DENVILLE	330,476	127,195	457,671
DOVER	434,544	149,827	584,371
EAST HANOVER	338,751	133,484	472,235
FLORHAM PARK	395,460	167,817	563,277
HANOVER	447,507	194,901	642,408
HARDING	46,400	23,997	70,397
JEFFERSON	344,760	95,121	439,881
KINNELON	145,300	48,094	193,394
LINCOLN PARK	200,124	64,942	265,066
MADISON	254,800	113,972	368,772
MENDHAM	71,672	34,887	106,559
MENDHAM TWP.	54,315	26,439	80,754
MINE HILL	53,754	17,444	71,198
MONTVILLE	363,921	128,147	492,068
MORRIS PLAINS	283,863	114,584	398,447
MORRISTOWN	579,616	299,770	879,386
MORRIS TWP.	270,736	140,021	410,757
MT. LAKES	74,407	27,365	101,772
MT. ARLINGTON	----	----	----
MT. OLIVE	447,120	123,331	570,451
NETCONG	97,266	27,754	125,020
PAR-TROY	1,120,980	463,805	1,584,785
PASSAIC	89,581	51,123	140,704
PEQUANNOCK	328,455	100,665	429,120
RANDOLPH	375,406	135,065	510,471
RIVERDALE	77,976	22,640	100,616
ROCKAWAY	166,522	61,243	227,765
ROCKAWAY TWP.	479,964	172,683	652,647
ROXBURY	490,374	150,291	640,665
VICTORY GARDENS	16,275	5,387	21,662
WASHINGTON	332,136	121,553	453,689
WHARTON	155,425	51,446	206,871
Totals	\$ 9,736,685	\$ 3,739,498	\$13,476,183
	Avg. - \$24.50/ton	Avg. - \$9.41/ton	Avg. - \$33.91/ton

<sup>1</sup>Transport cost based on round-trip mileage X \$2.50/mile X # trucks

<sup>2</sup>Disposal cost based on \$3.31/cy @ Edgeboro; \$5.27/cy @ Ocean County

## SOLID WASTE COLLECT. PRACTICES

Municipality	Type of Collection Service: (Residential)	Approximate % of Municipality Served	Type of Collection Service: (Industrial)	Approximate % of Municipality Served	Type of Collection Service: (Commercial)	Approximate % of Municipality Served
<u>Boonton Town</u>	C	100%	C P	50% 50%	C P	75% 25%
<u>Boonton Twp.</u>	P	100%	P	100%	P	100%
<u>Butler Boro</u>	C	100%	P	100%	P	100%
<u>Chatham Boro</u>	P	100%	P	100%	P	100%
<u>Chatham Twp.</u>	P	100%	P	100%	P	100%
<u>Chester Boro</u>	P	100%	P	100%	P	100%
<u>Chester Twp.</u>	P	100%	P	100%	P	100%
<u>Denville Twp.</u>	P	100%	P	100%	P	100%
<u>Dover Town</u>	C	100%	P	100%	C P	75% 25%
<u>East Hanover Twp.</u>	P	100%	P	100%	P	100%
<u>Florham Park Boro</u>	P	100%	P	100%	P	100%
<u>Hanover Twp.</u>	M	100%	M	100%	M	100%
<u>Harding Twp.</u>	P	100%	P	100%	P	100%
<u>Jefferson Twp.</u>	C	100%	C	100%	C	100%

Key to Collection Types:M: Municipal Collection; municipal trucks and crewsC: Municipal Contract; private trucks and crews, paid by municipality pursuant to contractP: Private Collection; private trucks and crews, paid by individuals for their own waste disposalI: Individual Removal; individuals must haul waste to disposal facility

TABLE 6 (cont)

SOLID WASTE COLLECTION PRACTICES

Municipality	Type of Collection Service: (Residential)	Approximate % of Municipality Served	Type of Collection Service: (Industrial)	Approximate % of Municipality Served	Type of Collection Service: (Commercial)	Approximate % of Municipality Served
<u>Kinnelon Boro</u>	C	100%	C	100%	C	100%
<u>Lincoln Park Boro</u>	C	100%	P	100%	C	100%
<u>Madison Boro</u>	C	100%	P	100%	C	50%
<u>Mendham Boro</u>	P	100%	P	100%	P	100%
<u>Mendham Twp.</u>	P	100%	P	100%	P	100%
<u>Mine Hill Twp.</u>	C	100%	C	100%	C	100%
<u>Montville Twp.</u>	P	100%	P	100%	P	100%
<u>Morris Twp.</u>	M	100%	P	100%	P	100%
<u>Morris Plains</u>	C	100%	P	100%	C	100%
<u>Morristown</u>	M	100%	P	100%	P	100%
<u>Mt. Arlington Boro</u>	M	100%	P	100%	P	100%
<u>Mt. Olive Twp.</u>	M	100%	M	50%	M	50%
<u>Mountain Lakes</u>	P	100%	P	100%	P	100%
<u>Netcong Boro</u>	C	100%	P	100%	P	100%

Key to Collection Types:M: Municipal Collection; municipal trucks and crewsC: Municipal Contract; private trucks and crews, paid by municipality pursuant to contractP: Private Collection; private trucks and crews, paid by individuals for their own waste disposalI: Individual Removal; individuals must haul waste to disposal facility

## SOLID WASTE COLLECT PRACTICES

Municipality	Type of Collection Service: (Residential)	Approximate % of Municipality Served	Type of Collection Service: (Industrial)	Approximate % of Municipality Served	Type of Collection Service: (Commercial)	Approximate % of Municipality Served
<u>Parsippany-Troy Hills Twp.</u>	C	100%	P	100%	P	100%
<u>Passaic Twp.</u>	C	100%	P	100%	P	100%
<u>Pequannock Twp.</u>	P	100%	P	100%	P	100%
<u>Randolph Twp.</u>	C	100%	C	100%	C	100%
<u>Riverdale Boro</u>	C	100%	P	100%	P	100%
<u>Rockaway Boro</u>	C	100%	P	100%	P	100%
<u>Rockaway Twp.</u>	P	100%	P	100%	P	100%
<u>Roxbury Twp.</u>	M	100%	M	50%	M	50%
<u>Victory Gardens</u>	C	100%	C	100%	C	100%
<u>Washington Twp.</u>	P	100%	P	100%	P	100%
<u>Wharton Boro</u>	M	100%	P	100%	M	100%

## Key to Collection Types:

M: Municipal Collection; municipal trucks and crews

C: Municipal Contract; private trucks and crews, paid by municipality pursuant to contract

P: Private Collection; private trucks and crews, paid by individuals for their own waste disposal

I: Individual Removal; individuals must haul waste to disposal facility

TABLE 7

MUNICIPAL SOLID WASTE COLLECTION/DISPOSAL CONTRACTS

For those municipalities with Municipal Contracts for residential waste removal

Municipality (or part thereof)	Contractor	Contract Period (day/month/year)	Cost Per Year	Does contract state that waste disposal must comply with District Plan waste flow?
Boonton, Town	B F I	1/1/84 - 12/31/84	\$144,222*	
		1/1/85 - 12/31/85	\$156,183*	
		1/1/86 - 12/31/86	\$168,297*	
		1/1/87 - 12/31/87	\$182,492*	
		1/1/88 - 12/31/88	\$199,013*	
Butler	Haul-Away Inc.	1/1/83 - 12/31/85	\$212,333	
Dover	J. Filiberto	5/1/83 - 4/30/84	\$382,000	
		5/1/84 - 4/30/85	\$432,000	
		5/1/85 - 4/30/86	\$488,000	
Jefferson	F. Fenimore	1/1/84 - 12/31/84	\$457,493	
Kinnelon	Marpal	11/1/82 - 12/31/85	\$425,197	
Lincoln Park	B F I	6/1/82 - 5/31/84	\$264,080	
Madison	West Essex Disposal	1/1/84 - 12/31/84	\$658,000	
Mine Hill	F. Fenimore	1/1/84 - 12/31/84	\$122,200*	
Morris Plains	J. Filiberto	1/1/82 - 12/31/85	\$527,292	
Netcong	F. Fenimore	2/15/84 - 2/15/87	\$95,000	
Par-Troy	BFI/Miele & Sons	1/1/81 - 12/31/85	\$1,260,000	
Passaic	Statewide Environmental Service	1/1/83 - 12/31/86	\$211,687	
Randolph	Hamm's	1/1/84 - 12/31/84	\$379,500	

\*These costs assume disposal at Carrinos or a facility within 25 miles.  
Costs increase for disposal at facilities greater than 25 miles.



TABLE 7 (Cont)

MUNICIPAL SOLID WASTE COLLECTION/DISPOSAL CONTRACTS

For those municipalities with Municipal Contracts for residential waste removal

Municipality (or part thereof)	Contractor	Contract Period (day/month/year)	Cost Per Year	Does contract state that waste disposal must comply with District Plan waste flow?
Riverdale	Frank Stamato	8/7/83 - 8/7/88	\$76,800	
Rockaway Boro	Hamm's	1/1/84 - 12/31/84	\$148,000*	
Victory Gardens	T. Luciano	3/1/84 - 3/1/85	\$28,200	

\*These costs assume disposal at Carrino's or a facility within 25 miles.  
Costs increase for disposal at facilities greater than 25 miles.

TABLE 8

MUNICIPAL SOLID WASTE COLLECTORS

For those municipalities (or portions thereof) which  
have private collection

Municipality (or part thereof)	Contractor(s)
Boonton Twp.	Mt. Lakes Disposal James Valyano Disposal Union Hill Disposal Rajjoppi Tri-County Disposal
Butler Borough	J. Filiberto BFI Laurel Disposal Jersey Carting
Chatham Borough	Model Disposal Michael Schettino Town and Country Disposal
Chatham Township	Model Disposal
Chester Borough	J. Filiberto
Chester Township	J. Filiberto
Denville Township	Union Hill Disposal M & H Carting
Dover Town	Morris County Disposal
East Hanover Township	Morris County Sanitation Town & Country Disposal
Florham Park Borough	William Pryer Frank Bace Pucillo Sanitation C. Egan & Son J. Filiberto Morris County Sanitation Town & Country Disposal

TABLE 8 (cont)

MUNICIPAL SOLID WASTE COLLECTORS

For those municipalities (or portions thereof) which  
have private collection

Municipality (or part thereof)	Contractor(s)
Harding Township	Luciano Rubienetti
Lincoln Park Borough	BFI
Madison Borough	Frank M. Bace Pucillo Sanitation, Inc. Frank V. Bace J. Filiberto A-1 Reliable Disposal
Mendham Borough	J. Filiberto Rizzo
Mendham Township	J. Filiberto
Montville Township	Louis Pinto & Sons Tri-County Disposal Valvano
Morris Plains Borough	Policastro Services Morris County Sanitation
Morristown	J. Filiberto Phoenix
Morris Township	J. Filiberto Policastro Morris County Disposal Wilfong Industrial Great Northern
Mt. Arlington Boro	Policastro

TABLE 8 (cont)

MUNICIPAL SOLID WASTE COLLECTORS

For those municipalities (or portions thereof) which  
have private collection

Municipality (or part thereof)	Contractor(s)		
Mt. Olive Township	BFI Hamm's Sanitation Luciano		
Mountain Lakes Borough	Valvano Mt. Lakes Disposal Morris County Sanitation		
Netcong Borough	Fenimore		
Parsippany-Troy Hills Twp.	<table border="0"> <tr> <td data-bbox="751 974 1117 1163">Louis Pinto &amp; Sons Metropolitan Disposal SCA Services PolICASTRO Advanced Environmental Technology Corp.</td> <td data-bbox="1227 974 1609 1136">Morris County Sanitation S&amp;H Trucking Union Hill Disposal Modern Transportation C Filiberto</td> </tr> </table>	Louis Pinto & Sons Metropolitan Disposal SCA Services PolICASTRO Advanced Environmental Technology Corp.	Morris County Sanitation S&H Trucking Union Hill Disposal Modern Transportation C Filiberto
Louis Pinto & Sons Metropolitan Disposal SCA Services PolICASTRO Advanced Environmental Technology Corp.	Morris County Sanitation S&H Trucking Union Hill Disposal Modern Transportation C Filiberto		
Passaic Township	Murray Hill Disposal Co. R&R Environmental Services Importico's Inc.		
Pequannock Twp.	Frank's Sanitation		
Randolph Twp.	J. Filiberto Morristown Disposal		
Riverdale Borough	Frank's Sanitation		
Rockaway Borough	M&H Carting Hamm's Sanitation		
Rockaway Township	Palumbo Carting Hamm's Sanitation Pissi		

TABLE 8 (cont)

MUNICIPAL SOLID WASTE COLLECTORSFor those municipalities (or portions thereof) which  
have private collection

Municipality (or part thereof)	Contractor(s)
Roxbury Twp.	Frank Fenimore PolICASTRO Hamm's Sanitation
Washington Township	J. Filiberto Hamm's Sanitation High Point Sanitation Kasper Pinky's Inter-County Sanico
Wharton Borough	J. Filiberto Fenimore Hamm's Sanitation