

AMENDMENTS
TO
THE OCEAN COUNTY DISTRICT
SOLID WASTE MANAGEMENT PLAN

DECEMBER 16, 1981

adopted by
THE OCEAN COUNTY BOARD OF CHOSEN FREEHOLDERS

in cooperation with
THE OCEAN COUNTY SOLID WASTE ADVISORY COUNCIL

THE BOARD OF CHOSEN FREEHOLDERS

OCEAN COUNTY
TOMS RIVER, NEW JERSEY 08753



Warren H. Wolf
Freeholder Director

(201) 929-2002

December 21, 1981

Commissioner Jerry English
State of New Jersey
Department of Environmental Protection
P.O. Box 1390
John Fitch Plaza, Room 802
Trenton, NJ 08625

Dear Commissioner English:

I am pleased to inform you that the Ocean County Board of Chosen Freeholders has adopted amendments to the Ocean County District Solid Waste Management Plan. The Amendments were adopted on December 16, 1981. Public hearings concerning the Amendments were conducted on December 3rd and on December 7th. Copies of the Plan Amendment, the public hearing transcripts and other related documents are being sent to you by Mr. Pollock, the County Planning Director.

The Freeholder Board adopted the Plan Amendments in order to arrive at an implementable plan for Ocean County. Time and events have shown a need for these revisions. It is the opinion of the Board of Freeholders that the Plan, as now amended, represents the best most economical and environmentally sound Plan for Ocean County. With your support and approval, the County is fully prepared to proceed with the Plan.

Thank you for your consideration. The Board anxiously awaits your decision.

Very truly yours,

Warren H. Wolf
Freeholder-Director

SLP:WHW:db

CC: Board Members
Ocean County Solid Waste Advisory Council
Steven L. Pollock, Planning Director

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Health Coordinator, Ocean County
Ocean County Utilities Authority
Ocean County Environmental Agency

R-E-S-O-L-U-T-I-O-N
DECEMBER 16, 1981

WHEREAS, the New Jersey Solid Waste Management Act requires the Board of Chosen Freeholders to prepare and adopt a Solid Waste Management Plan for Ocean County; and,

WHEREAS, a Solid Waste Management Plan was adopted by the Board, amended and subsequently approved by the Commissioner of the Department of Environmental Protection on July 31, 1980; and,

WHEREAS, the State approved Plan calls for a Northern and Southern regional landfill and resource recovery for future solid waste disposal; and,

WHEREAS, the Board of Chosen Freeholders, with the support of the Solid Waste Advisory Council and on the advice of its professional advisors and consultants, wishes to modify certain provisions of the adopted Plan; and,

WHEREAS, a Plan Amendment has been prepared specifying the desired changes and engineering studies have been completed which verify the environmental, technical and financial suitability of the new site proposed for the Northern Regional Landfill and the approved site for the Southern Regional Landfill; and,

WHEREAS, public hearings have been conducted concerning the Plan Amendment.

NOW, THEREFORE, BE IT RESOLVED by the Board of Chosen Freeholders of the County of Ocean, State of New Jersey that Plan Amendments dated December 16, 1981 are hereby adopted.

BE IT FURTHER RESOLVED, that the Director of Planning, on behalf of the Board of Chosen Freeholders, is hereby authorized and directed to submit the Amendments to the appropriate representatives of the New Jersey Department of Environmental Protection for State Approval as required by law.

BE IT FURTHER RESOLVED, that certified copies of this Resolution shall be sent to the Commissioner of the New Jersey Department of Environmental Protection, the Ocean County Solid Waste Advisory Council, the Director of Planning, and the Director of the New Jersey Solid Waste Administration.

I certify the foregoing to be a true copy of a Resolution adopted by the Board of Chosen Freeholders of the County of Ocean on the 11th day of Nov 1981
A. Paul King, Clerk

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INTRODUCTION

Presented on the following pages is an amendment to the Ocean County Solid Waste Management Plan. The current Plan became effective 31 July 1980.

This amendment was prepared at the direction of the Ocean County Board of Chosen Freeholders. In accordance with the statute, the Freeholders on 26 October 1981 consulted with the Solid Waste Advisory Council on the proposal.

A public hearing on the proposed amendment was held on 3 December 1981 and continued to 7 December 1981. Written and spoken statements were invited and received from persons interested in the proposal.

In consideration of the comments made at the hearing, the Board has made several changes. The amendment is presented to the New Jersey Commissioner of Environmental Protection for approval, as required by law.

BACKGROUND

The Ocean County Board of Chosen Freeholders adopted a Solid Waste Management Plan on 18 July 1979. This Plan was prepared and adopted in conformity with the New Jersey Solid Waste Management Act (N.J.S.A. 13:1E-1 et seq; L. 1975, c.326).

This Plan was submitted by the Board to the Commissioner of Environmental Protection for approval as required by the statute. On 14 December 1979, the Commissioner required that several modifications of the Plan be made in order for it to be approved.

In consultation with the Solid Waste Advisory Council, the Board prepared and adopted the required modifications and submitted them to the Commissioner on 1 July 1980. The Commissioner conveyed her approval of the Plan on 31 July 1980, with further changes made on her initiative.

PROPOSED PLAN CHANGES

Time and events have shown the need for further amendment in order to achieve an implementable Plan.

The following changes to the Plan are proposed:

- (1) The Northern Regional Landfill site is changed from facility #1518B in Manchester Township to facility #1514A in the Township of Lakewood.
- (2) A revised schedule is established concerning the acquisition, development and commencement of operation of the Northern and Southern regional landfills.
- (3) Waste region boundaries are changed in Berkeley Township and the Boroughs of Ocean Gate, Pine Beach, Beachwood and South Toms River.
- (4) A new date is set for the closure of existing non-regional landfills.

Each of these proposed changes is discussed in detail in the following sections of this report.

AMENDMENT 1 - Northern Regional Landfill Site

The solid waste management studies done in Ocean County--even those done before the advent of Chapter 326--favored two regional landfills as the immediate basis of a County-wide Plan. These two regional landfills were to be used for the disposal of all County waste until resource recovery facilities were ready for use. Thereafter, these landfills were to be used for solid waste volumes beyond those which the resource recovery system could accommodate, wastes which could not be processed in such facilities, and all wastes generated during those times when resource recovery units were not operating.

The County Solid Waste Management Plan now in legal force is based upon this premise. None of the changes contained in this amendment document alters that basic concept of waste management.

In evaluating potential regional sites, the following factors were considered important:

- Location central to the wastes to be collected.
- Reasonable access from highways which can accommodate truck traffic.
- Sufficient isolation from development--particularly residential.
- Suitable physical characteristics, such as soil quality and depth to groundwater.

Essentially on the basis of these criteria, the Ocean County Landfill in Manchester Township was selected as the Northern Regional site for the Plan now in effect.

In recent months, however, there has developed an enormous ground-swell of citizen opposition to this designation. Thousands of residents in the area petitioned the Board to abandon its plan to develop the Manchester site. As a consequence, the Manchester Municipal Utilities Authority has decided not to proceed with its plan to develop and operate the proposed regional landfill as an agent of the County. Also as a consequence, there is now no support on the Board of Freeholders for the use of the Manchester site for long-term regional solid waste disposal.

While it is understood that new or expanded regional landfills are not favored anywhere, the judgment was made that the continued designation of the Manchester site would produce confrontation and no resolution of the waste disposal problem. Therefore, an examination was made of the original study documents to determine the most suitable alternative location. It appeared that the Lakewood municipal landfill in Lakewood Township adequately met the same four criteria.

To determine the validity of this tentative decision, the Board commissioned Elson T. Killam Associates to make an engineering, economic and environmental evaluation of the Lakewood site. The contract with Killam also provided for a similar evaluation of the Southern Regional Landfill site. The Killam studies were completed in September of 1981. The final reports were distributed in October.

A presentation of study findings and recommendations was made by Killam representatives to a public meeting of the Board of Freeholders, to a regular meeting of the SWAC, and to the Engineering and Planning staff of the Solid Waste Administration of NJDEP.

Essentially, Killam found the two sites to be environmentally acceptable and their development to be technically and economically feasible. Killam cautioned, however, that a more intensive evaluation of groundwater conditions should be done before a final decision to proceed is made by the Board.

Specifically, Killam recommended that existing water quality data be verified by independent testing for contaminants including priority pollutants identified in DEP hazardous waste regulations; that, on the basis of the findings of this additional testing, a mapping be made of the extent and degree of existing contamination; that additional borings be made to assure that waste already deposited does not lie below the water table; that a determination be made of the rates of groundwater and pollutant migration.

On 16 September 1981, a contract was awarded by the Board to New York Testing Laboratories, Inc. for groundwater testing for metals, inorganic compounds and priority pollutants. The results of this testing corroborate the findings of the Killam groundwater investigation. The additionally required hydrogeological work will be undertaken by the Board as part of the Site Acquisition Program. The necessary funding for this work has been authorized by the

Board in Bond Ordinances which were approved at the Freeholder meeting of 16 December 1981. The ordinances also provide funding for final engineering design and site acquisition.

On the basis of the results of groundwater testing already done and of the findings and recommendations of the engineering consultants, the Board of Freeholders has concluded that the Ocean Township and Lakewood Landfill sites are suitable locations for construction of regional disposal facilities. Unless the subsequent hydrogeology provides serious contraindications the Board will proceed to acquisition, engineering design, development and operation of these sites if this amendment to the Solid Waste Plan is approved by DEP.

AMENDMENT 2 - Schedule for Landfill Implementation

The table on the following page provide a schedule for implementing the Northern and Southern Regional Landfills. The events through December 1981 have been completed. Assuming timely approvals from the Department first for the Plan Amendments, and subsequently for the Engineering Designs, it is anticipated that the Regional Landfills can be in operation by September 1983.

TABLE 1

Revised Schedule of Events for the Northern and Southern Regional Landfills

<u>EVENT</u>	<u>DATE</u>
Engineering, Economic and Environmental Feasibility Study and Preliminary Engineering	Completed September 1981
Supplementary Testing of Groundwater for NJDEP Priority Pollutants	Completed November 1981
Adoption and Submission of Plan Amendment to NJDEP	Completed December 1981
Authorization of Project Financing by Board of Chosen Freeholders	Completed December 1981
Approval of Plan Amendment by NJDEP Commissioner	January 1982
Authorization to Initiate the Site Acquisition Process Including:	} ----- February 1982
- Detailed hydrogeological testing	
- Real Estate Appraisal	
- Legal and Fiscal Negotiations	
Initiation of Final Design including Permit Approvals at NJDEP	May 1982
Approval of Final Design by NJDEP	February 1983
Commencement of Operation	September 1983

AMENDMENT 3 - Waste Region Boundary

The boundary which separates the Northern and Southern regions is changed to make haulage more efficient. The change is made at the request of the municipalities involved. The change, which is depicted on the map on the next page directs wastes originating in South Toms River, Beachwood, Ocean Gate and Pine Beach and portions of Berkeley Township, to the Southern Regional Landfill. Wastes originating in the Holiday City and Silver Ridge Park areas of Berkeley and South Seaside Park are directed to the Northern Regional Landfill.

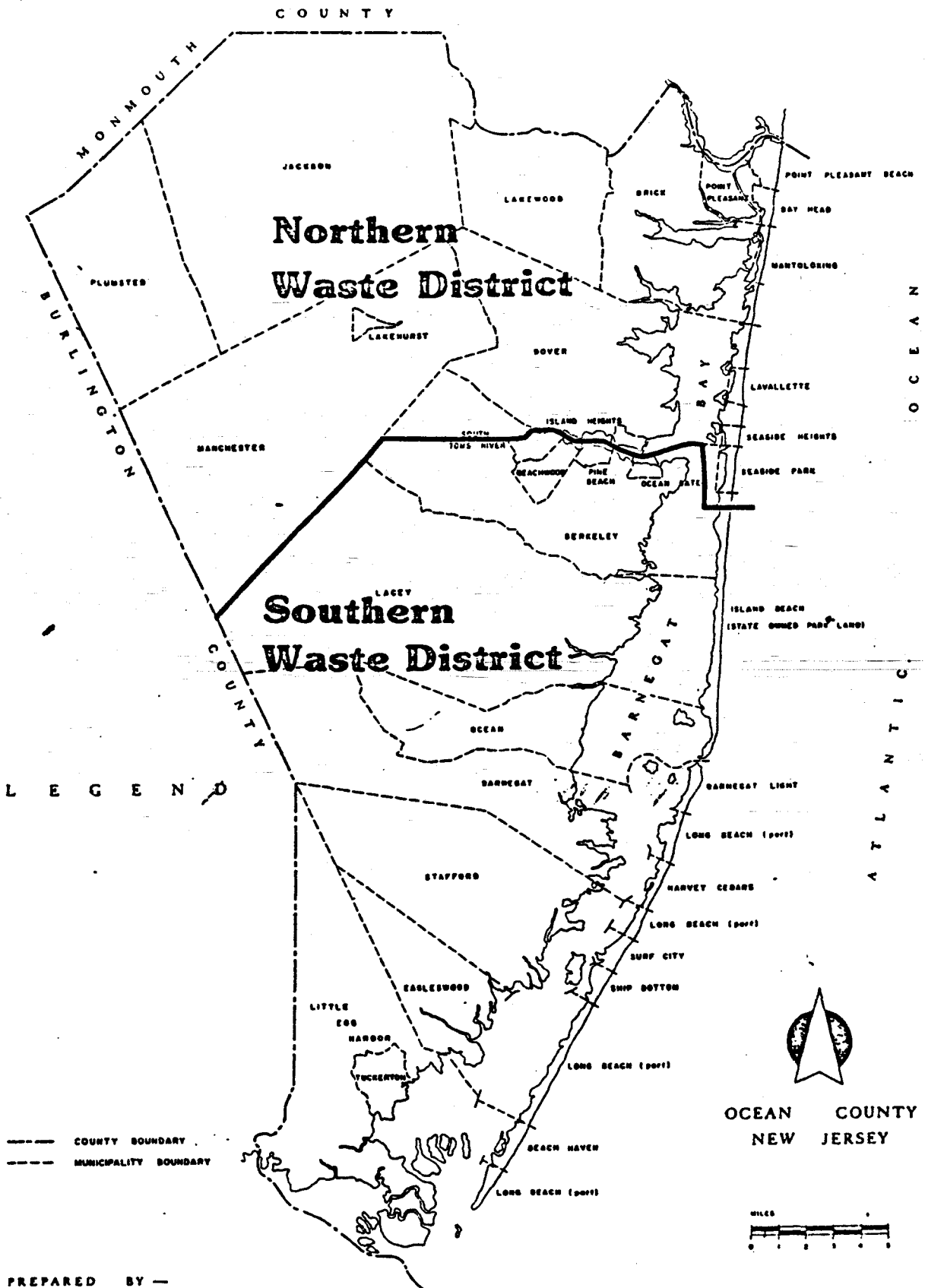
AMENDMENT 4 - Closure of Existing Non-regional Landfills

The Solid Waste Management Plan now in effect calls for the closure of non-regional landfills by 1 November 1981. However, the closure directive contains a condition. In the modifications adopted by the Commissioner it is stated that "...wastes going to these (non-regional) facilities shall be disposed of at theregional site...providing the engineering and upgrading requirements have been met."*

In the schedule established in this amendment, the two regional landfills will be ready lawfully to receive wastes in September, 1983. Waste now going to non-regional landfills should be redirected to the regional facilities no later than September 1983. All other landfills should be closed immediately thereafter in accordance with the requirements of DEP regulations.

* Certification of Approval with Modification of the Ocean County District Solid Waste Management Plan, Department of Environmental Protection, July 31, 1980.

REVISED WASTE DISTRICT MAP



LEGEND

- COUNTY BOUNDARY
- ... MUNICIPALITY BOUNDARY

PREPARED BY —

• OCEAN COUNTY PLANNING BOARD •

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RESOURCE RECOVERY

The Board remains committed to the use of resource recovery facilities at the earliest possible time as the principal method of solid waste disposal. The Board is hopeful that the Ocean County Utilities Authority feasibility study which is being conducted as part of the Authority's Sludge Management Planning will show a promising opportunity to move toward resource recovery as the preferred long-term solid waste disposal technique. The Authority's consultants have completed a preliminary screening of alternatives. An option involving thermal codisposal and energy recovery with raw solid waste has been selected as one of seven options which will be studied further. A determination regarding these options will be made during 1982.