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STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
OFFICE OF THE COMMISSIONER  
P.O. BOX 1390  
TRENTON, N.J. 08646  
(609) 991-1811

(IN THE MATTER OF THE PROPOSED)  
(SOLID WASTE MANAGEMENT PLAN)  
(OF THE MONMOUTH COUNTY SOLID)  
(WASTE MANAGEMENT DISTRICT)

CERTIFICATION  
OF  
MODIFICATION

BY ORDER OF THE COMMISSIONER:

On June 7, 1979, the Monmouth County Board of Chosen Freeholders adopted the Monmouth County Solid Waste Management Plan pursuant to the Solid Waste Management Act (N.J.S.A. 13:1E-1 et seq.).

The Department of Environmental Protection has studied and reviewed the Plan in accordance with this Legislation. The review process, established by the Solid Waste Administration in an April, 1979 Policy Memorandum entitled "Policy and Procedures for Review of District Solid Waste Management Plans", was used to evaluate the Monmouth Solid Waste Management Plan. This process was designed to incorporate both State level and public comments into the review. Generally, State agencies evaluated the Plan with regard to its impact on the State solid waste management program and their own programs, and provided advice within their own specialized areas of expertise. Public comments centered mostly on environmental concerns and the possibilities of implementing resource recovery. Additionally, the State has reviewed the Plan to ascertain whether there is sufficient clarity of facts and recommendations to permit program implementation.

Based on the results of this review and evaluation, it is my determination that the Monmouth County Solid Waste Management Plan be granted a Certification of Modification at this time, requiring satisfactory completion of the modifications listed herein.

The Department, as a result of its review of the Monmouth County District Solid Waste Management Plan, and in accordance with the Solid Waste Management Act, has made the following findings and conclusions:

- 1) The Solid Waste Management Act requires each District to include an analysis of existing solid waste collection systems and transportation routes within the Solid Waste Management District and further, to make a survey of proposed collection districts and transportation routes, and to project the transportation costs from collection districts to existing and designated solid waste facilities. While the Monmouth County Solid Waste Management Plan includes a survey of the various types of collection systems, a list of persons actively engaged in the collection and disposal of solid waste within the District and an analysis of existing transportation routes and costs incurred by the majority of municipalities to existing solid waste facilities, the Plan does not include a complete analysis of existing or proposed transportation routes and costs within the District to existing or suitable sites for solid waste facilities.

- 2) The Solid Waste Management Act requires the District Plan to inventory the sources, composition and quantity of solid waste generation for each of the ten years following the year in which the Plan is prepared. The Plan does not totally comply with this requirement.
- 3) The Solid Waste Management Act requires the District Plan to include a solid waste disposal strategy which includes the maximum practicable use of resource recovery. While the Monmouth County Plan indicates it will study the feasibility of resource recovery, a detailed implementation schedule is not included.
- 4) The Solid Waste Management Act requires that each District Plan contain a plan for using terminated landfill disposal sites. While the Monmouth County Plan indicates the need and appropriate technologies for landfill closure and further details general uses of terminated landfills, the Plan does not identify a specific use for each landfill.
- 5) The Solid Waste Management Act and the guidelines and criteria adopted by the Department pursuant to the Act require the District to adopt a solid waste management strategy which includes the maximum practicable use of resource recovery, including source separation and recycling. While the Monmouth County Plan describes methods to reduce the amount of solid waste to be disposed of through the continuation and expansion of existing municipal recycling programs, the Plan lacks a comprehensive program to maximize source separation, including the identification of specific markets and costs, the consideration of regional source separation districts and any legal, institutional or financial measures necessary to implement the program.
- 6) The Solid Waste Management Act provides that a system shall be established for uniform disposal rates within the District. The Monmouth County Plan does not include a detailed procedure for the uniform distribution of resource recovery and disposal costs throughout the District's service area.
- 7) The Department, in its review of District Solid Waste Management Plans for the northeast, finds that certain District Plans, including Monmouth County's, have not identified or included interdistrict agreements for sufficient existing or available suitable sites to treat or dispose of their own wastes either in the short or long term, or both. Districts, including Monmouth County, have not entered interdistrict agreements with one another for the transportation of wastes across District boundaries. The Department finds that such interdistrict waste flow is necessary, particularly during the short term as resource recovery is implemented, and should be part of a comprehensive plan for solid waste management in northeastern New Jersey.

In light of the need for this interdistrict waste flow it is necessary for Monmouth County to enter into interdistrict agreements with neighboring Districts for short term and, possibly long term, disposal capacity.

In developing a combined approach for northeastern New Jersey, the Department intends to issue regulations governing the inter-district flow of waste. These proposed regulations were published in the New Jersey Register of December 6, 1979 and have come to be known as the "Interdistrict Waste Flow Order." The proposed regulations will impact solid waste collection and disposal practices and planning in the multi-district region including Monmouth County.

Therefore, Monmouth County is hereby directed to make the following modifications to its adopted District Solid Waste Management Plan no later than July 1, 1980:

- 1) The Plan shall set forth sufficient data and discussion to identify the existing and proposed configuration of solid waste collection and disposal operations, such that a solid waste franchise system can be developed. This shall include a waste flow diagram, for each type of waste, which shows the existing and proposed flow of solid waste for the ten year planning period from each municipality (source) to a specific processing and/or disposal facility (destination) either within Monmouth County or within another Solid Waste Management District. This shall also identify the specific haulers now involved in collecting waste by municipality.
- 2) The Plan shall include a schedule (including specific milestones) for the completion of indepth studies necessary for resource recovery implementation and an indication of who will undertake the studies, an estimate of their cost, and how the studies will be funded. The studies shall include, as a minimum, the following:
  - a) the means for securing agreements/contracts for markets for materials and energy (including those for source separation/recycling),
  - b) an assessment of available resource recovery technology (including co-disposal) and an evaluation of cost/benefits,
  - c) determination of specific facility site(s), including lot and block numbers,
  - d) collection of more reliable solid waste generation and composition data and justification for facility capacity,
  - e) identification of legal and institutional constraints and solutions thereto,
  - f) projections of both capital and operating costs and the method of financing them,
  - g) environmental assessment of technology and sites, and
  - h) determination of capacity needs and facility locations for the disposal of resource recovery residuals, for emergency backup and for non-processable wastes, and

- 1) identification of a detailed resource recovery implementation schedule.
- 3) The Plan shall include a detailed plan for the use of each terminated land disposal site within the County.
- 4) The Plan shall include a more comprehensive and implementable program for extracting the maximum practicable amount of recoverable materials via recycling, waste exchanges, and similar source separation programs.
- 5) The Plan shall include a more detailed procedure for the uniform distribution of resource recovery and disposal costs throughout the District's service area. This Plan shall include procedures for the uniform distribution of costs necessary to upgrade existing disposal facilities to meet environmental regulations.
- 6) The Plan shall include interdistrict agreements with Burlington and Ocean Counties setting forth the necessary procedures for coordinating and integrating collection, transportation, recovery and disposal services in the area and setting forth specific responsibilities of each District for implementation of the Plan(s). In accordance with the Interdistrict Waste Flow Order, Monmouth County shall not dispose any waste, with the exception of septage and sludge, in Middlesex County. If septage and sludge is shipped to Middlesex County for treatment and disposal, the Plan shall include an appropriate interdistrict agreement with Middlesex County.
- 7) If appropriate, Monmouth County shall negotiate an interdistrict agreement with Burlington and Ocean Counties on the amounts and types of wastes generated within Monmouth County and transported to either existing and/or proposed facilities within Burlington and Ocean Counties for each year addressed in the Plan. The agreed upon data shall be incorporated into Monmouth County's report and Plan.
- 8) The Plan shall accelerate the opening of the Phase II landfill at the Monmouth County Reclamation Center to provide additional disposal capacity for that portion of the County's waste stream precluded from utilizing disposal capacity in Middlesex County.
- 9) In addition, Monmouth County is directed to complete the additional modifications to its Solid Waste Management Plan described in the document attached to this Certification as Appendix I by July 1, 1980.

Attached as Appendix II is a list of recommended modifications to be included in the District Solid Waste Management Plan as part of the two year review required pursuant to N.J.S.A. 13:1E-20.

In accordance with N.J.S.A. 13:1E-24, these required modifications shall be considered major modifications of the District Plan and the District is hereby directed to conduct an additional public hearing no later than 45 days from the date of this Certification.

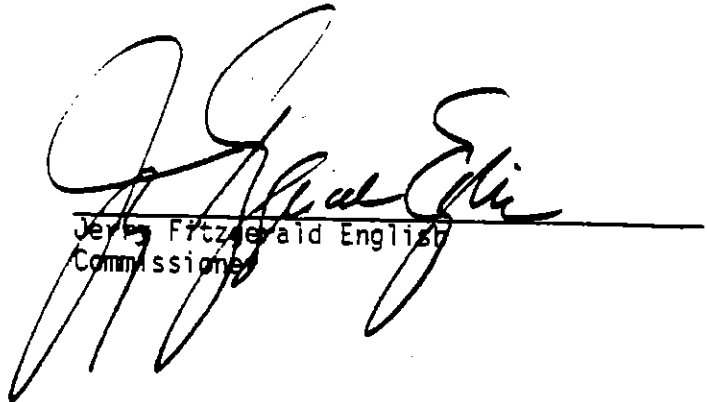
Following submission and review of the adopted modifications, I shall, within 30 days of submittal, certify to the Board of Chosen Freeholders whether or not these modifications are acceptable and if the Plan is approved.

Further, it is noted that the Solid Waste Management Act, the Rules of the Department of Environmental Protection, and other State and federal requirements apply to the permitting and approval of solid waste facilities. Therefore, neither the Certification nor any future action of the Department concerning the District Solid Waste Management Plan shall be construed to be in derogation of, or inconsistent with, such other requirements.

Date

14 December 1979

Jerry Fitzgerald English  
Commissioner

A large, stylized handwritten signature in black ink, appearing to read "Jerry Fitzgerald English", is written over a horizontal line. The signature is fluid and cursive, with the last name being particularly prominent.



## Appendix I

### Additional Modifications Required by July 1, 1980

#### I. SOLID WASTE GENERATION

- The Plan shall include an inventory by source, type, composition, and quantity of solid waste (including sludge and septage) generated within the solid waste management District in the year in which the report is prepared and each of the ten years following the report. In addition, the Plan shall include a specific timetable for the conduct of a program to more accurately define waste generation rates and composition necessary for resource recovery implementation.

#### II. COLLECTION AND HAUL

- The Plan did not provide a specific analysis of industrial waste generation, transportation and disposal within the County. In addition, a strategy for the maximum recovery of industrial wastes should be developed. A specific timetable for undertaking this analysis and developing a strategy shall be included.
- The Plan should also include a strategy for increasing the efficiency of collection and transportation within the County, specifically a study evaluating the maximum utilization of transfer stations and implementation of the COLMIS or similar collection improvement system.

#### III. SLUDGE AND SEPTAGE

- The Solid Waste Management Act requires each District to provide an inventory of the sources and quantities of sludge and septage presently generated within the District, projections of the amounts of sludge and septage which will be generated within the District in each of the subsequent ten years, an inventory and appraisal, including the identify, location and life expectancy of any facility within the District which could be utilized for the processing or land disposal of sludge, and an analysis of the present systems of sludge and septage disposal within the District. As the Plan does not provide detailed or current information in any of these areas, the revised Plan shall include such information.
- In its Plan, the District puts forth nine management steps which give general direction to planning efforts and broadly define the role of the County in relation to other planning entities. The general strategy is in accord with Department policy on the development of sludge and septage management plans, and should be assertively implemented by the District. In view of the magnitude of the sludge and septage disposal problems which face Monmouth County, the Plan should address the following areas:
  - A. The identity, location, capacity and life expectancy of all existing or planned processing/disposal facilities should be determined as soon as possible so that arrangements for funding (if necessary) and construction can proceed in a timely manner.

- B. A detailed analysis of all 201 sludge and septage management efforts within the District should be performed, with particular emphasis given to the scope of work and the estimated date of implementation. This work is necessary for the County to carry out its coordinating role and to clarify the extent to which it will become an active participant in planning or operating supplementary facilities.
- C. If disposal of Monmouth County septage at the Middlesex County Sewerage Authority plant in Sayerville is to continue, an inter-district agreement to that effect must be established.
- D. The District should develop a detailed plan for coordinating planning efforts of the various sewerage authorities.
- E. The utilization of a new landfill in the western part of the County should be re-evaluated. Landfilling of sludge and septage is not generally considered acceptable to the Department as a long term alternative.

#### IV. RESOURCE RECOVERY

- The Plan shall analyze and identify that part of the waste stream which will be recovered by high and low technology resource recovery, in order to minimize costs, conserve energy and enhance environmental quality and capacity. The District shall accelerate its efforts to recover additional materials and energy at the Monmouth County Reclamation Center.

#### V. PUBLIC PARTICIPATION

- The Plan shall set forth an on-going comprehensive public information and participation program. This program shall identify a process for keeping the public informed, for the receipt, evaluation and consideration of public comment, and for the integration of public participation into plan development and implementation.

#### VI. LANDFILLS

- The Plan shall contain a map showing the locations of all existing solid waste facilities, identified by their Department of Environmental Protection Registration Number.
- The Plan shall contain an analysis of the necessary environmental improvements to landfills located within the District.

#### VII. PLAN REVIEW AND UPDATE

- The Solid Waste Management Act requires the District Plan to contain provisions for its review by the Board of Chosen Freeholders once every two years. While the Monmouth County Plan acknowledges this requirement and indicates that the Plan will have to be updated, no specific provisions have been made in the Plan to accomplish this. Therefore, the Plan shall include specific provisions for its update.



## Appendix II

### Recommended Modifications for Two-Year Update of the Monmouth County Solid Waste Management Plan

#### I. DATA BASE

- The Plan should continue to include (update if possible) a table showing existing land distribution (amount and percent) for single family residential, multi-family residential, commercial, industrial, public and quasi-public, conservation and recreation, and open space areas.
- The Plan should include updated census data and population projections consistent with year 2000 policy projections from the New Jersey Department of Environmental Protection Draft New Jersey Water Quality Management Plan, March, 1979.
- Employment projections should be presented according to standard industrial classification to provide consistency with other District data. Methodologies and assumptions used in the formulation of estimates and projections should be included.
- The Plan should contain a section on existing major industrial and institutional developments. Proposed developments and constraints to development should also be included.

#### II. SOLID WASTE GENERATION

- Solid waste estimates and projections should be provided according to waste identification categories in the New Jersey Department of Environmental Protection "Rules of the Solid Waste Administration." This format will provide consistency among District data.
- The updated Solid Waste Management Plan should include, in an appendix, the specific methodology used in obtaining solid waste estimates and projections.
- The Plan should segregate out bulky waste figures from the municipal waste totals to provide a more accurate determination of processible solid waste that can be handled by resource recovery facilities.

#### III. COLLECTION AND HAUL

- The Plan should contain an analysis of the feasibility of alternative collection practices and should require the modifications of those practices where appropriate. This feasibility analysis should include an assessment of the feasibility of eliminating collections of two and three times a week in those areas where recycling programs are successful.