

Let's protect our earth



STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
RICHARD T. DEWLING, Ph.D., P.E., COMMISSIONER
CN 402
TRENTON, N.J. 08625
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(IN THE MATTER OF CERTAIN AMENDMENTS)
(TO THE ADOPTED AND APPROVED SOLID)
(WASTE MANAGEMENT PLAN OF THE)
(OCEAN COUNTY SOLID WASTE)
(MANAGEMENT DISTRICT)

CERTIFICATION
OF THE OCTOBER 21, 1987
AMENDMENT TO THE
OCEAN 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 Board of Chosen Freeholders and the Hackensack Meadowlands Development Commission develop comprehensive plans for waste management in their respective districts. On July 31, 1980, the Department approved, with modifications, the Ocean 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.)

Amendments to the Act found in N.J.S.A. 13:1E-1 et seq. specifically N.J.S.A. 13:1E-99.11 et seq. requires that counties amend their district solid waste management plan to include a

district recycling plan. The Ocean County Board of Chosen Freeholders adopted an amendment on October 21, 1987, to its approved district solid waste management plan.

The amendment proposes to incorporate the district recycling plan into the approved district solid waste management plan as per the requirements of the New Jersey Statewide Mandatory Source Separation and Recycling Act, N.J.S.A. 13:1E-99.11 et seq. (herein referred to as the "Recycling Act").

The amendment was received by the Department of Environmental Protection on October 28, 1987, and copies were distributed to various state level agencies for review and comment, as required by law. The Department has reviewed this amendment, as well as the entire Ocean County District Solid Waste Management Plan, and has determined that the amendment adopted by the Ocean County Board of Chosen Freeholders on October 21, 1987, is approved with modification as provided in N.J.S.A. 13:1E-24.

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

Pursuant to N.J.S.A. 13:1E-24a(1) and N.J.S.A. 13:1E-99.11, I, Richard T. Dewling, Commissioner of the Department of Environmental Protection have studied and reviewed the October 21, 1987, amendment to the Ocean County District Solid Waste Management Plan according to the objectives, criteria, and standards developed in the Statewide Solid Waste Management Plan and N.J.S.A. 13:1E.99.11 et seq. and I find and conclude that this plan amendment is consistent in part and inconsistent in part with these requirements.

In addition, the Division of Solid Waste Management circulated the plan amendment to eight review agencies and solicited their review and recommendations. Pursuant to N.J.S.A. 13:1E-24a(2) and (3), these agencies included various agencies, bureaus, and divisions within the Department of Environmental Protection, as well as the Board of Public Utilities and the Department of Community Affairs. In addition, a memo identifying the amendment as a district recycling plan was distributed to various agencies, bureaus, and divisions within the DEP as well as the Department of the Public Advocate, the Department of Health, the Department of Agriculture, the Department of Transportation, and the New Jersey Turnpike Authority. These agencies were notified of the opportunity to examine a copy of the plan upon request to the Office of Recycling. Of these agencies, the following did not object to the proposed plan amendment: N.J.D.E.P. Division of Solid Waste Management, Bureau of Solid Waste and Resource Recovery Planning, Division of Water Resources, Bureau of Ground Water Quality Management; N.J. Department of Community Affairs, Division of Local Government Services; Board of Public Utilities; and the New Jersey Advisory Council on Solid Waste Management. The following agencies failed to respond to our requests for comments: the N.J.D.E.P. Divisions of

Fish, Game and Wildlife, Coastal Resources, and Parks and Forestry; the Pinelands Commission; the State Departments of Agriculture, Health, Transportation and the Public Advocate; the Green Acres Program, the New Jersey Turnpike Authority, and the U.S. Environmental Protection Agency. N.J.D.E.P. DEQ's Bureau of Air Quality Planning and Evaluation, DSWM Bureau of Resource Recovery, DWR's Bureau of Ground Water Quality Management, and DSWM's Office of Recycling submitted substantive comments which are further addressed below.

N.J.D.E.P. Division of Environmental Quality, Bureau of Air Quality Planning and Evaluation commented that certain regulations apply to recycling centers and composting facilities. In response, a copy of these comments will be forwarded to Ocean County.

The DSWM's Bureau of Resource Recovery submitted the following comments:

1. The document indicates that recovery targets for recyclables, which are found in table 2 on page 16, may be revised upon completion of an ongoing waste composition and generation study. To date, Ocean County has failed to provide this Division with accurate waste generation and composition data. On November 20, 1987, the Department issued a PEHIS approval for Ocean County's proposed resource recovery facility. However, this approval was conditioned on Ocean County obtaining accurate waste generation and composition data by conducting these studies in accordance with N.J.A.C. 7:26-2B.4(a)14. The Bureau recommends that Ocean County be required to demonstrate that the percentage of recyclables in the county's municipal waste stream are sufficient to reach the minimum 25% recycling goal.

2. In addition, the 25% goal should apply to the total municipal waste stream. However, this recycling goal is applied in the Ocean County Recycling Plan to only the baseload waste and ignores the seasonal waste. Since seasonal waste is a significant portion of the total municipal waste stream in Ocean County, the recycling requirement should apply to it as well.

In response to item #1, the Office of Recycling requires submittal of the waste composition and generation study within 30 days of the certification of this plan amendment. Based upon the results of the waste composition and generation study, Ocean County must adjust its recycling targets to meet the minimum 15% and 25% recycling goals if it is found that the present targets are too low. In reference to item #2, seasonal waste increases shall be included in the minimum 15% and 25% recycling targets.

The DWR, Bureau of Ground Water Quality Management had no objections to the plan, however, the bureau did comment that the proposed and existing recycling centers and leaf composting facilities may be required to obtain a NJPDES Discharge to Ground Water permit.

Recycling and leaf composting facilities which are located at landfills will be regulated under the NJPDES/DGW permit for that landfill: facilities owned and/or operated by agencies that do not currently have NJPDES/DGW permits will be required to obtain the necessary permit if such permits are applicable.

In response, Ocean County is hereby notified of the above mentioned requirements.

The DSWM, Office of Recycling, submitted the following comments:

1. In designating the materials to be source separated in the residential, commercial, and institutional sectors, the plan designated aluminum cans, glass containers, newspapers and tin cans to be source separated. The plan states on pages 7 and 8, "The above listed materials are those initially designated for source separated collection. As markets for other potentially recyclable materials develop or expand, and as the County's ability to process and market additional materials improves, the County will consider adding to the initial list of materials. Those materials which should be considered for designation as additional source separated recyclables include: 1. plastic, 2. office paper (commercial), 3. corrugated board (commercial and household)...Municipalities, organizations and private businesses currently collecting other materials for recycling encouraged to continue doing so but these efforts are considered to be in addition to the recycling effort operated by Ocean County." According to the Recycling Act, N.J.S.A. 13:1E-99.13, each district recycling plan is required to include, but not be limited to, "designation of the recyclable materials to be source separated in each municipality which shall include, in addition to leaves, at least three other recyclable materials separated from the municipal solid waste stream." The municipal solid waste stream, waste type 10, consists of residential, commercial and institutional waste. Therefore, Ocean County must also designate the materials to be recycled in the commercial and institutional sectors. The Office of Recycling recommends that Ocean County include the following recyclables, at a minimum, for the commercial and institutional waste streams: glass bottles and cans from bars, taverns and restaurants, mixed high grade office paper from institutions (offices, hospitals, etc.), and corrugated cardboard from commercial, retail or wholesale establishments.

The plan states on page 11 section 4.1, Commercial Recycling Transfer Facilities and similar private, commercial recycling facilities, "Many of these facilities generate quantities of waste, such as corrugated cardboard and office paper for which recycling markets may presently exist but which are not designated recyclable materials under this Plan." As per N.J.S.A. 13:1E 99.13 as stated in the paragraph above, recyclables such as corrugated cardboard and office paper should be designated as recyclable materials for the commercial and institutional sectors.

2. Pursuant to the requirements of N.J.S.A. 13:1E.99.14, within six months of the date of this certification, the two proposed recycling centers must be operational for use by the municipalities which have elected to deliver their recyclables to the recycling centers.

3. Appendix F, the Model Ordinance for Mandatory Recycling, Section 2, Definitions, defines commercial establishments as, properties used primarily for commercial purposes and those multiple dwelling residential buildings containing more than four dwelling units." Because the county did not mandate recycling for commercial establishments (see the DSWM, Office of Recycling's comment, item #1 above), as required by N.J.S.A. 13:1E-99.13, the plan does not require residents living in "multiple dwelling residential buildings containing more than four dwelling units" to recycle the designated recyclables, which, according to the Recycling Act, they must. The Model Ordinance for Mandatory Recycling should include a provision for residents living in "multiple dwelling residential buildings containing more than four dwelling units" to recycle the designated recyclables as other households are required in the county plan.

4. Appendix F, the Model Ordinance for Mandatory Recycling, Section 7, Collection by Unauthorized Person, states "Each such collection in violation of this Ordinance shall constitute a separate and distinct offense punishable as hereinafter provided." Specific minimum monetary penalties should be outlined in the Model Ordinance for Mandatory Recycling.

5. Appendix F, the Model Ordinance for Mandatory Recycling, Section 8, Enforcement and Administration, states "The (municipality, recycling coordinator, superintendent of public works) is hereby authorized and directed to establish and promulgate reasonable regulations detailing the manner, days and times for the collection of the recyclable materials designated in Section 3 of this Ordinance and such other matters as are required to implement this Ordinance." Each Ocean County municipality is required to include an enforcement provision in its adopted ordinance. The Model Ordinance for Mandatory Recycling should include a requirement for implementing enforcement actions.

6. The district recycling plan does not provide sufficient data to determine if Ocean County has enough permitted capacity for leaf composting. According to N.J.S.A. 13:1E-99.21, "Within 12 months of the effective date of this amendatory and supplementary act, all leaves collected by a municipality pursuant to the provisions of Section 14 of this amendatory and supplementary act shall be transported to a leaf composting facility. Each district recycling plan shall identify the leaf composting facility or facilities to be utilized by each municipality within the county." Ocean County has not met the above requirement, and shall provide the Office of Recycling with a list setting forth where each municipality will take its leaves.

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7. The procedures described on page 18, section 8, Modification of District Recycling Plan, do not include a provision for public notice or comment. This section should be expanded to include a legal notice in a newspaper of general circulation. A period of 30 days should be allowed for comment on any proposed modification prior to incorporation into the county's district recycling plan. A methodology for addressing the comments received prior to incorporation into the county's district recycling plan shall also be incorporated into the procedures for the modification of the recycling plan.

C. Certification of Ocean County District Solid Waste Management Plan Amendment

I, Richard T. Dewling, 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 October 21, 1987, amendment to the approved Ocean County District Solid Waste Management Plan and certify to the Ocean County Board of Chosen Freeholders that the October 21, 1987, amendment is approved with modification. Ocean County is required to conduct a public hearing within forty-five (45) days of the date of this certification to address a subsequent solid waste management plan amendment which will remedy the deficiencies in the district recycling plan identified in Section B. 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 Ocean 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 Ocean 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.

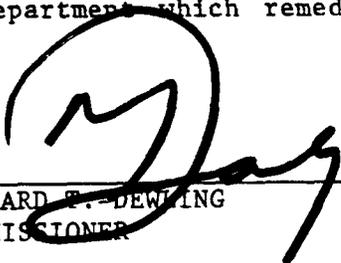
7. Reservation of Authority

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 Ocean 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.

E. Certification of approval with modification 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 with modification the amendment as outlined in Section C. of this certification, to the Ocean County District Solid Waste Management Plan which was adopted by the Ocean County Board of Chosen Freeholders on October 21, 1987. I further direct the Ocean County Board of Chosen Freeholders to conduct a public hearing within forty-five (45) days of the date of this certification to address the deficiencies outlined in Section B. of this certification and to submit a plan amendment within thirty (30) days of the public hearing date to the Department which remedies the outlined deficiencies.

March 22, 1988
DATE



RICHARD T. DEWLING
COMMISSIONER

Recycling Centers

Recycling centers are subject to the provisions of N.J.A.C 7:27-5, "Prohibition of Air Pollution". This regulation prohibits odors and other air contaminants which interfere with the enjoyment of life or property.

Recycling centers are considered solid waste facilities, which are subject to N.J.A.C. 7:27-8.2(a)16 which requires air pollution control permits for any equipment which vents a solid waste facility directly or indirectly into the outdoor atmosphere. Such vents may require devices to control odors and other air contaminants.

The combustion of used oil, and mixtures of used oil and other oil are subject to the provisions of N.J.A.C 7:27-8.2(a)13 which requires the combustion of such oil only be done in controlled devices with air pollution control permits specific to the combustion of used waste oil.

Composting Facilities

Composting Facilities are subject to the provisions of N.J.A.C. 7:27-5, "Prohibition of Air Pollution". This regulation prohibits odors and emissions of other air contaminants which interfere with the enjoyment of life or property. Additionally, air pollution control permits are required for equipment used to vent a solid waste facility to the ambient atmosphere (N.J.A.C. 7:27-8.2(a)16).

Stationary conveying equipment which causes fugitive emissions of air contaminants requires air pollution control permits pursuant to the provisions of 7:27-8.2(a)11.

OCEAN COUNTY
RECYCLING PLAN

An Amendment to the
Ocean County District
Solid Waste Management Plan

Revision Dates:
August 24, 1987
August 31, 1987
October 20, 1987

Ocean County Planning Board
119 Hooper Avenue
Toms River, New Jersey
(201)929-2054

THE BOARD OF CHOSEN FREEHOLDERS

OCEAN COUNTY
TOMS RIVER, NEW JERSEY 08754



H. George Buckwald
Freeholder Director

(201) 929-2004

October 27, 1987

To: Ocean County Mayors, Public Officials, and Residents

I am pleased to provide you with a copy of the Ocean County Recycling Plan adopted by the Board of Chosen Freeholders on October 21, 1987. This Plan was prepared and adopted in accordance with the provisions of the New Jersey Mandatory Source Separation and Recycling of Solid Waste Act (PL 1987, c. 102) commonly referred to as the Mandatory Recycling Act.

The law requires each county in the State to prepare and adopt a County Recycling Plan which includes the following elements; designation of a District Recycling Coordinator, designation of the recyclable materials to be source separated, designation of a strategy for the collection, marketing and disposition of recyclable materials and the designation of recovery targets for each constituent municipality.

The Ocean County Recycling Plan was adopted following a public hearing on September 30, and after receiving unanimous approval from the Ocean County Solid Waste Advisory Council on August 31, 1987. In addition, the County conducted several meetings with the designated municipal recycling coordinators to review and discuss the Plan prior to its adoption.

The Ocean County Recycling Plan is an amendment to the Ocean County District Solid Waste Management Plan. As such, it provides for the implementation of the recycling element of that Plan. It provides a program of recycling that will enable the County to recycle 25 percent of the municipal solid waste generated in Ocean County in 1990. The achievement of this goal will require close cooperation between the County and its municipalities.

If you have any questions with regard to the provisions of the Plan, please do not hesitate to contact the Ocean County Planning Board at (201)929-2054.

Very truly yours,

H. George Buckwald
Freeholder Director

HGB:sh

cc: Members, Board of Chosen Freeholders
Members, SWAC

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INTRODUCTION

The recycling of materials which would otherwise be disposed of as solid waste, and returning them to the cycle of use has long been advocated as a waste management tool by conservationists. As the State has moved forward with more stringent regulation of waste disposal and waste management, the concept of recycling a far greater percentage of municipal solid waste for beneficial reuse has received increasing emphasis. The culmination of this legislative and regulatory process was the enactment, on April 20, 1987, of the New Jersey Mandatory Source Separation and Recycling of Solid Waste Act (P.L. 1987, c.102), commonly referred to as the Mandatory Recycling Act.

The Act requires that each County in the State and every municipality, develop and implement a mandatory recycling plan. The law further requires that the County, through the adoption of its District Recycling Plan, designate the recyclable materials to be source separated in each municipality which must include, in addition to leaves, at least three other recyclable materials separated from the municipal solid waste stream. The Act establishes recovery targets of at least 15 percent of the prior year's total municipal solid waste stream within the first year following the adoption of mandatory recycling plans, and 25 percent of the second preceeding year's total municipal solid waste stream by the end of the second full year.

These provisions of the statute, if they are to be achieved, will require every household and each commercial and institutional establishment in Ocean County to substantially change their method of solid waste disposal. It will also require the identification and securement of markets for the designated recyclable materials, since the Act provides for the issuance by the Department of Environmental Protection of a temporary exemption in the event that the County is unable to enter into contracts or otherwise execute agreements to market specific designated recyclable materials necessary to achieve the designated recovery targets.

It is the position of the Ocean County Board of Chosen Freeholders that the recovery targets for recycling set forth in

the Act must be achieved and; if possible, exceeded. The purpose of this District Recycling plan is to set forth the program necessary to achieve these recovery rates through the collection and marketing of recyclable materials in Ocean County, and to comply with the requirements of the State law.

The Solid Waste Management Act (P.L. 1975, c.326 as amended) designates Ocean County as a solid waste management district and requires the County to prepare, adopt and implement a solid waste management plan for the disposal of solid waste generated in Ocean County. The Ocean County District Solid Waste Management Plan was adopted by the Board of Chosen Freeholders on July 18, 1979 and was most recently amended October 7, 1986. As required by law, the District Solid Waste Management Plan has been approved by the Commissioner of the Department of Environmental Protection. The District Plan's strategy for the management of Ocean County's solid waste has three essential components:

- * An active recycling program to recover reusable materials from wastes;
- * A waste-to-energy facility to burn wastes which cannot be recycled, recovering the heat to generate electricity; and
- * An environmentally secure and regulated landfill for the disposal of ash residue from the burning process and for those wastes which can neither be recycled nor burned.

The County placed recycling first in this list for good reasons. Recycling as defined here is the recovery of materials which would otherwise be waste and which, with or without processing, are returned to the cycle of use. Reuse of materials taken from the wastestream is prudent management of resources. Beyond this, recycling reduces the environmental impact, and the high cost, of the available methods of waste disposal.

Therefore, by providing for a program to increase waste recycling in Ocean County the Board of Chosen Freeholders is not only complying with the new law, but also advancing the implementation of its District Solid Waste Management Plan. Recycling has always been an element of its waste management strategy, and

the Board of Chosen Freeholders sought guidance in the spring of 1986 on the best means to increase its role in recycling county-wide. The Board contracted with its consultant, New Jersey First, Inc., to report on ways to improve the volume of materials recycled in Ocean County both to achieve the strategy of its District Plan, and in anticipation of the enactment of the Mandatory Recycling Act.

The report prepared by New Jersey First, Inc. entitled Recycling in Ocean County, was presented to the Board in January, 1987. The report researched recycling activities across the State and suggested possibilities for Ocean County to pursue. The release of this report, closely followed by the enactment of the Mandatory Recycling Act, fostered increased discussions between the Board, its staff and consultants, the Solid Waste Advisory Council, municipal officials and the general public on the best means to proceed to increase recycling in Ocean County, to achieve the recycling targets set forth in the Act and to implement the recycling strategy of the Ocean County District Solid Waste Management Plan.

On April 1, 1987 the Board of Chosen Freeholders adopted a Resolution directing that a county-wide solid waste recycling program be established to maximize recycling opportunities and conform with the requirements of the Mandatory Recycling Act. It further directed that the Solid Waste Advisory Council and the County's professional staff review and consider the recommendations contained in the Recycling in Ocean County report, seek input and advice from municipal officials and the public and report to the Board on specific steps that should be taken. The SWAC moved promptly to fulfill its responsibilities, hosting a series of public meetings on the report recommendations. This Plan, which is based upon those discussions and the provisions of the Act, represents the County's program to implement mandatory recycling county-wide.

THE OCEAN COUNTY RECYCLING PLAN

Under the provisions of the New Jersey Mandatory Source Separation and Recycling of Solid Waste Act, Ocean County has a

number of responsibilities. Principally, by October 20, 1987 the Board of Chosen Freeholders is required to prepare and adopt as an element of the District Solid Waste Management Plan a district recycling plan. The district recycling plan must include, by statute, the following major elements:

1. Designation of a County Recycling Coordinator within the designated solid waste implementing agency.
2. Designation of at least three recyclable materials to be source separated in the residential, commercial and institutional sectors in each municipality.
3. Designation of the collection, marketing and disposition strategies for designated recyclable materials.
4. Recovery targets of at least 15 percent of the prior year's total municipal solid waste stream by the end of the first full year after adoption of the plan, and 25 percent of the prior year's total municipal solid waste stream by the end of the second full year.
5. Recycling of residentially generated leaves as compost by April 1988 and identification of operating and proposed leaf composting facilities for use by each municipality.
6. Provisions for enforcing the implementation of the district recycling plan.
7. Minimum requirements for a public education program to notify participants of source separation requirements and local recycling opportunities.

There are several items in addition to these major elements which are required to be covered in the district recycling plan and which are addressed in subsequent plan elements.

The overall concept behind the district recycling plan is to maximize the collection and recycling of designated recyclable materials. The Act requires that these materials be source separated. The term source separation is jargon for putting recyclables and non-recyclable waste apart at the curb, either in separate containers or on different days, for separate collection. The level of participation by households, commercial and institutional establishments in the program will determine the

amount of recovery of recyclables. Participation can be mandated by the adoption of a municipal ordinance which requires the separation of materials and prohibits curbside scavenging by others.

In the discussions that occurred prior to the preparation of this plan, the following suggestions have been repeatedly put forth by municipal officials and private citizens concerning mandatory curbside separation:

1. Make the procedure simple and convenient for the homeowner and business person.
2. Assure regular collection so that participation is not discouraged.
3. Be able to assure the public that the materials they separate are actually recycled.
4. Let the public know that it is participating in a successful program.
5. Undertake a public education program to let people know how to participate and why everyone must cooperate.

The County proposes to address these suggestions by designating materials to be recycled that can be commingled in a single container. Collection will continue to be the responsibility of the municipality, as it generally is now, either by municipal collection, contract hauler or a municipal arrangement with an organization for collection. Those municipalities which do not provide for collection of municipal solid waste, relying instead on contracts between haulers and individual households, associations, communities and similar organizations, commercial and institutional establishments, will also have to provide for collection of designated recyclables. The County will provide two recycling centers for the receipt, processing and marketing of commingled source separated materials delivered by the municipality, or any other person that collects designated recyclable materials in Ocean County.

Alternatively, a municipality may choose to collect, transport and market recyclable materials separate from the County-provided systems, and report to the County the volume of recycled materials on a regular basis. Of course, any existing recycling projects

operated by municipalities, non-profit organizations or private businesses may continue and will be encouraged to expand, especially for non-designated recyclables.

The following sections of the plan set forth in plan elements the specific provisions of the district recycling plan necessary to comply with the requirements of the Act. The plan presents a framework of solid waste recycling activities including the designation of materials to be recycled, a description of the facilities and markets to be utilized, the responsibilities of the various public jurisdictions and agencies, a timetable for implementing the plan and the financing and revenue allocation methods necessary to implement each recycling activity.

1.0 Designation of County Recycling Coordinator and Implementing County Agency.

In Ocean County, the Department of Solid Waste Management is the agency responsible for implementing the provisions of the District Solid Waste Management Plan. The Department was created by Resolution of the Board of Chosen Freeholders and presently consists of the Director, a Principal Planner, Assistant Planner, Planner Trainee and various clerical and administrative support staff. The Principal Planner was designated as the County Recycling Coordinator in 1982. The Department of Solid Waste Management will carry out the implementation responsibilities under the provisions of the Mandatory Recycling Act and the district recycling plan for the County.

2.0 Designation of Recyclable Materials to be Source Separated in the Residential, Commercial and Institutional Sectors.

As stated previously in the introduction to this Plan, State law requires that all municipalities recycle leaves through composting and at least three other recyclable materials. In order to simplify collection and marketing strategies, all municipalities in Ocean County will, at a minimum, designate the same materials as specified in this Plan. All municipalities must separately collect leaves for composting. Materials other than leaves designated for recycling as source separated materials are:

1. Aluminum cans
2. Glass containers
3. Newspapers
4. Ferrous metal (tin) cans

Municipalities must provide for the source separated collection at the curb of these designated recyclable materials. They can be delivered to one of the two Ocean County Recycling Centers or if it chooses to do so, a municipality may market its own materials. The designated recyclable materials, other than leaves, may be commingled in a single container. It is preferred, however, that newspapers be collected separate from the other designated materials. In any case newspapers must be bundled, either tied with sturdy string or placed in a kraft paper (brown paper) bag. The individual bundles should be no greater than 12 inches high and 30 pounds in weight.

The above listed materials are those initially designated for source separated collection. As markets for other potentially recyclable materials develop or expand, and as the County's ability to process and market additional materials improves, the County will consider adding to the initial list of materials. Those materials which should be considered for designation as additional source separated recyclables include:

1. Plastic
2. Office paper (commercial)
3. Corrugated board (commercial and household)

The County also intends to investigate the need at a later stage for facilities to recycle the following materials collected in Ocean County:

1. Brush and stumps
2. Rubble and concrete
3. Appliances (white goods)
4. Batteries
5. Household hazardous waste

Municipalities, organizations and private businesses currently collecting other materials for recycling are encouraged to continue doing so but these efforts are considered to be in addition to the recycling effort operated by Ocean County. However, if sufficient interest and markets are found for any of these other materials, the County will consider expanding its program. In addition, the County will continue to process automobile tires for recycling in association with the Artificial Reef Project, subject to the provisions of a Resolution adopted by the Board establishing this program and to applicable State requirements.

3.0 Designation of the Strategy for the Collection, Marketing and Disposition of Designated Recyclables.

3.1 Existing Recycling Projects Existing recycling projects operated by municipalities, non-profit organizations, and businesses will be able to continue in operation if their sponsors so desire. The amount of materials recycled by these programs must be reported to the County on a monthly basis.

3.2 Determination of Participation A municipality may elect to provide for the processing and marketing of the designated recyclable materials without using the County Recycling Centers. A municipality so electing, must report the amount of materials recycled to the County on a monthly basis to ensure compliance with the recovery targets set forth in the Act. The County will monitor compliance with the State mandated recovery targets of 15 and 25 percent and will notify the Department of Environmental Protection if a municipality does not comply. If a municipality determines that it will not utilize the County Recycling Centers for marketing and disposition of designated recyclable materials, it must make an official determination of its intent not to participate and so notify the County.

3.3 Collection of Materials Each municipality must make provision for the collection of designated recyclable materials. The method of collection may vary and can include municipal collection, contract hauler or a municipal arrangement with an organization for collection. As an example of the latter, the County is exploring the potential for assisting the Ocean County Occupational Center in developing the ability to provide for curbside pickup of recyclable materials. If this program can be completed, a municipality could contract directly with the Occupational Center for collection of recyclable materials. Other similar opportunities may develop with other Ocean County organizations. Even if a municipality currently provides no collection services within its jurisdiction, relying instead on private contracts between haulers and residential, commercial and institutional establishments, it must make provision for the collection of designated recyclable materials.

3.4 Marketing and Disposition of Designated Recyclables The County intends to provide for the operation of two Ocean County Recycling Centers. Recyclable materials collected at curbside will be transported to one of the two centers for processing. The purpose of processing is to prepare the designated recyclable materials to meet the specifications of identified markets. The County will undertake materials market development for designated recyclables to be delivered to its Recycling Centers. The potential markets will be contacted to determine the following information:

- a. Types of materials purchased;
- b. Current prices offered;
- c. Materials specifications;
- d. Limitations on material quantities; and
- e. Special services available (i.e., transportation or equipment leases)

The County will seek to obtain Letters of Intent (LOI) to purchase each of the designated recyclable materials. These will be converted to contract when materials are available for sale to the market.

The County will only undertake marketing and disposition of designated recyclable materials if those materials are received at an Ocean County Recycling Center. Municipalities that elect not to participate in the County system will be responsible for the marketing and disposition of designated recyclable materials collected by their programs.

4.0 Facilities

The County will provide for the operation of two Ocean County Recycling Centers, one located to serve southern Ocean County municipalities and one for northern Ocean County municipalities. Those municipalities currently within the southern waste district of the District Plan will utilize the southern Ocean County Recycling Center. Municipalities in the northern waste district of the District Plan will utilize the northern Ocean County Recycling Center.

The County will provide for the planning, procurement, financing, construction and operation of the two Ocean County Recycling Centers. The County will prepare guidelines, invite proposals and negotiate contracts with a private vendor for the construction and operation of the two facilities. The guidelines will include information on the materials to be delivered to the County Recycling Centers as designated recyclable materials and the level of processing required for marketing those materials.

The Recycling Centers will be sized based upon the amount of recyclable materials expected to be delivered for processing. A protocol for sizing a recycling facility is included as an appendix to this Plan. Based on an application of this protocol to Ocean County, the County anticipates the need for an initial processing capacity of 100 tons of recyclable materials per day,

based upon a recycling participation rate of 50 percent. The final capacity will be determined based upon the number of municipalities choosing to use the County Recycling Centers and the design will provide for the future expansion of the Recycling Centers.

4.1 Commercial Recycling Transfer Facilities and similar private, commercial recycling facilities.

To achieve the recycling goals set forth in this Plan, commercial and institutional facilities must actively participate in recycling. Many of these facilities generate quantities of waste, such as corrugated cardboard and office paper for which recycling markets may presently exist but which are not designated recyclable materials under this Plan. In addition, most such facilities utilize commercial haulers for the collection of solid waste.

To help achieve the County goals of recycling the maximum volume of materials for which markets exist, the County, as a matter of policy, supports the establishment of commercial recycling transfer facilities for the recycling of non-designated commercial and institutional wastes. These facilities remove recyclable materials from the waste stream prior to disposal at a solid waste disposal facility. The approval of such facilities by the New Jersey Department of Environmental Protection is considered to be consistent with the District Solid Waste Management Plan and the County Recycling Plan. If any such facilities obtain Department approval in the future, the facilities will be incorporated in subsequent amendments to the District Plan.

5.0 Leaf Composting

The Mandatory Recycling Act requires that every municipality provide a collection system for leaves generated from residential

premises. Any persons occupying residential premises must source separate leaves for collection for composting from September 1 to December 31 of each year, beginning in 1988. The District Recycling Plan anticipates that composting of leaves through this period will be accomplished in cooperation with existing municipal leaf composting centers. At present, there are seven (7) permitted municipal compost facilities in Ocean County, six (6) of which are in operation. In addition, Brick Township has applied for the permitting of its facility, and additional applications for municipal facilities may be forthcoming. A map showing the location of each of the listed facilities appears on the following page.

- | | |
|---------------|------------|
| 1. Beachwood | (active) |
| 2. Brick | (pending) |
| 3. Dover | (inactive) |
| 4. Jackson | (active) |
| 5. Lacey | (active) |
| 6. Lakewood | (active) |
| 7. Manchester | (active) |
| 8. Stafford | (active) |

The County has completed a survey of these permitted compost facilities, and the results are presented in Table 1. It appears that sufficient total capacity exists to provide for all municipalities. The regionalization of municipal facilities will require the agreement of the affected municipalities. The County will pursue the necessary agreements and, to facilitate cooperation in the County Plan will provide equipment and marketing assistance to municipal compost facilities that permit other municipalities to deliver leaves for compost.

The County will acquire, operate and maintain equipment to assist in compost processing and to improve the quality of compost products. The equipment to be purchased includes:

Table 1

SURVEY OF OCEAN COUNTY MUNICIPAL LEAF COMPOST FACILITIES: MUNICIPALITIES WITHOUT COMPOST PERMITS

DATA ANALYSIS OF SURVEY QUESTIONS	BEACHWOOD BOROUGH	DOVER TOWNSHIP	JACKSON TOWNSHIP	LACEY TOWNSHIP	LAKENOOD TOWNSHIP	MANCHESTER TOWNSHIP	STAFFORD TOWNSHIP
1. Operation status of the facility?:	ACTIVE	NOT ACTIVE	ACTIVE	ACTIVE	ACTIVE	ACTIVE	ACTIVE
2. Acreage of the facility?:	10 ACRES	4-5 ACRES		N.A.	60 ACRES	5 OF 94 ACRES	263.02 ACS.
3. Materials the facility handles?:	L, WD & GC	L		L, PN & GC	L, LS, GC	L, GC, S & LS	L
4. Processing/storage capacity of facility (cu. yds.)? * :	1,500	N.A.		375	20,000	30,000	N.A.
5. Seasonal avg.(cu. yds.) of compost handled? * :	149.94	N.A.		420	N.A.	N.A.	357
6. Volume (cu. yds.) of compost materials collected in 1986? * :	16	N.A.		N.A.	10,780	16,382	N.A.
7. Acceptance of yard waste from other municipalities?:	NO	NO		NO	NO	NO	NO
8. Is finished compost exchanged with other municipalities?:	NO	NO		NO	YES	NO	NO
9. Are fees charged for depositing yard waste at the facility?:	NO	NO		NO	NO	NO	NO
10. Number of front-end loaders utilized?:	ONE	TWO		FOUR	ONE	N.A.	ONE
11. Largest capacity front-end loader utilized?:	1.5 CU. YDS.	2 CU. YDS.		3 CU. YDS.	3 CU. YDS.	N.A.	3 CU. YDS.
12. Special equipment (screens, shredders etc.) utilized?:	NONE	NONE		1 SHREDDER	1 SHREDDER	NONE	NONE
13. Is a storage/maintenance garage available the facility?:	YES	YES		YES	YES	YES	YES
14. Is the typical windrow composting method utilized?:	YES	YES		YES	YES	YES	YES
15. Are additives (inoculants, fertilizers, lime) utilized?:	NO	NO		YES	NO	NO	CURRENTLY-NO
16. How often are windrows turned?:	6 MONTHS	AS NEEDED		4-5 WEEKS	EVERY 4 WEEKS	WEEKLY	CURRENTLY-NO
17. Has the facility experienced odor problems?:	NO	AS NEEDED		NOT WATERED	NOT WATERED	NOT WATERED	NOT WATERED
18. How often are the windrows watered?:	NO	YES		NO	NO	NO	NO
19. Is water available at the site?:	NO	PARTIALLY		NO	PARTIALLY	NO	NO
20. Is the operations area fenced?:	NO	N.A.		YES	NO	NO	YES
21. Is the facility publicized?:	NO	N.A.		NO	NO	NO	YES
22. Is vermin control provided?:	NO	N.A.		NO	NO	NO	NO
23. Is the operations area paved or soil?:	SOIL	SOIL		SOIL	SOIL	SOIL	SOIL
24. Does the site have acreage to expand?:	YES	VERY LITTLE		YES	YES	YES	YES
25. Is expansion planned?:	YES	NO		NO	YES	POSSIBLE	POSSIBLE
26. Number of persons involved in the operation?:	3-7	N.A.		14	4	2	2
27. Does the facility contain sedimentation ponds?:	NO	N.A.		NO	NO	ONE	NO
28. Does the facility utilize sand fillers or berms?:	NO	NO		NO	ONE BERM	NO	NO
29. How long does the process take to produce compost?:	3-4 YEARS	N.A.		1 YEAR	2 YEARS	18 MOS.-2 YRS.	N.A.
30. Is the finished compost marketed?:	NO	N.A.		NO	NO	NO	NO
31. Is the finished compost used for municipal needs?:	YES	POSSIBLE		YES	YES	YES	YES
32. Is finished compost made available to residents?:	NO	POSSIBLE		YES	YES	YES	YES
33. Operational problems?:	C, E, & WF	LA		NONE	F	SL	WF

COMPOST MATERIALS CODES (QUESTION # 3)	OPERATIONAL PROBLEMS CODES (QUESTION # 33)	QUESTION # 4 TOTALS	QUESTION # 5 TOTALS	QUESTION # 6 TOTALS
L: LEAVES	C: COLLECTION	51,875 CYS.	926.94 CYS.	27,178 CYS.
PN: PINE NEEDLES	E: EQUIPMENT	10,375 TONS.	185.39 TONS.	5,435.60 TONS.
WD: WOODY DEBRIS (TREE DEBRIS, WOODY SHRUB DEBRIS, ETC.)	WF: WORK FORCE			
LS: LIGHT SHRUB DEBRIS	LA: LIMITED ACREAGE			
GC: GRASS CLIPPINGS	SL: SITE LOCATION			
S: SOD	WF: WATERING FACILITIES			
	F: FINANCING			

*- Assuming the following conversion factor: 5 cubic yards/1 ton.

Conversion Factor Source: "Leaf Composting Manual for New Jersey Municipalities", Peter F. Strom and Melvin S. Finstein; Rutgers University, N.J.; October, 1985.

- a. Windrow Turner
- b. Shredder
- c. Finished compost screen

This equipment will be mobile and will be provided to those compost sites which provide space for other municipalities and serve as regional centers. The use of the equipment will reduce the amount of time required to produce compost and will also assure a product of consistent quality.

The County will assist in the expansion of existing facilities or in the development of additional facilities to increase total capacity if required. In addition, the statute only requires the collection and compost of leaves for the fall season. It is recognized that significant volumes of leaves and other vegetative wastes are generated during the spring season as well. It is the intent of the County to provide for the composting of these materials in a subsequent phase.

6.0 Designation of Recovery Targets

The County will assign a recovery target for each municipality based upon the solid waste reported in the Department of Environmental Protection reports and the amount of material currently being recycled. The assigned recovery targets which appear in Table 2 are based on data from 1985, the most recent year that all the required information is available. The County has contracted for a waste composition and generation study which began in August, 1987. This study will provide the most current and representative figures on the composition and volume of solid wastes generated in Ocean County. Upon completion of this study in February, 1988, the recovery targets may be revised.

The County plans to achieve the municipal recovery targets consistent with the Act, of 15 percent by 1989 and 25 percent by 1990 through the following initiatives:

1. Continuance of existing County, municipal, non-profit and profit making recycling activities.

Recycling Targets for Ocean County Municipalities

Municipality	1985		1985 Recycling Tons	1985 Tons Generated	15%		25%	
	Baseload Tons Disposed ID #10	Recycling Tons			Recycling Goal Tons	Recycling Goal Tons		
Barnegat Township	6,440	293	6,733	1,010	1,683			
Barnegat Light Borough	556	137	693	104	173			
Bay Head Borough	1,046	0	1,046	157	262			
Beach Haven Borough	1,513	123	1,636	245	409			
Beachwood Borough	6,178	1,325	7,503	1,125	1,876			
Berkeley Township	25,076	8,379	33,455	5,018	8,364			
Brick Township	46,245	4,788	51,033	7,655	12,758			
Dover Township	54,333	9,727	64,060	9,609	16,015			
Eagleswood Township	829	45	874	131	219			
Harvey Cedars Borough	295	0	295	44	74			
Island Heights Borough	861	0	861	129	215			
Jackson Township	21,726	2,622	24,348	3,652	6,087			
Lacey Township	14,233	2,394	16,627	2,494	4,157			
Lakehurst Borough	2,222	0	2,222	333	555			
Lakewood Township	30,581	3,208	33,789	5,068	8,447			
Lavellette Borough	1,697	84	1,781	267	445			
Little Egg Harbor Township	7,982	120	8,102	1,215	2,025			
Long Beach Township	2,870	32	2,902	435	726			
Manchester Township	17,651	1,933	19,584	2,938	4,896			
Mantoloking Borough	342	0	342	51	85			
Ocean Township	1,548	149	1,697	255	424			
Ocean Gate Borough	1,135	40	1,175	176	294			
Pine Beach Borough	1,392	0	1,392	209	348			
Plumsted Township	1,662	0	1,662	249	416			
Point Pleasant Borough	14,411	1,145	15,556	2,333	3,889			
Point Pleasant Beach Borough	4,287	604	4,891	734	1,223			
Seaside Heights Borough	1,499	16	1,515	227	379			
Seaside Park Borough	1,476	121	1,597	240	399			
Ship Bottom Borough	1,190	0	1,190	179	298			
South Toms River Borough	3,014	0	3,014	452	753			
Stafford Township	9,577	0	9,577	1,437	2,394			
Surf City Borough	1,248	0	1,248	187	312			
Tuckerton Borough	1,960	0	1,960	294	490			
TOTAL	287,075	37,285	324,360	48,654	81,090			

Notes:
 1. 1985 Baseload tons reflect residential and commercial tonnage excluding industrial, construction, demolition and summer peak.
 2. Recycling figures prepared by Ocean County Planning Board.
 3. Recycling figures exclude asphalt tonnage.

Source: Ocean County Planning Board, 1987.

2. Implementation of the commingled source separated material collection and processing in the Ocean County Recycling Centers.
3. Implementation and expansion of the composting facilities for leaves.
4. Enhancement and expansion of all existing non-curbside recycled materials programs; examples include, Ocean County office paper recycling, white goods recycling and commercial corrugated recycling.
5. Development and encouragement of new profit making ventures in the recycling field; for example, recycled plastic forming facility and private collector initiatives.

7.0 Enforcement and Public Information Provisions

The Plan includes in the appendix a model ordinance for enforcing the implementation of the district recycling plan. Each municipality is required to include an enforcement provision in its adopted ordinance to assure the collection of designated recyclable materials.

Each municipality must provide notification of the requirements of the Mandatory Recycling Act and its mandatory recycling ordinance(s) to each residential, commercial and institutional waste generator within its boundaries within six months of the effective date of its recycling ordinance and every six months thereafter. Each municipality is responsible for enforcing the provisions of its recycling program for waste generators within its boundaries.

As part of plan implementation, the County will operate a public information program to encourage county-wide participation. This program will be designed to encourage participation among year-round and seasonal residents as well as visitors to Ocean County. This information program will begin well in advance of start-up of the County Recycling Centers.



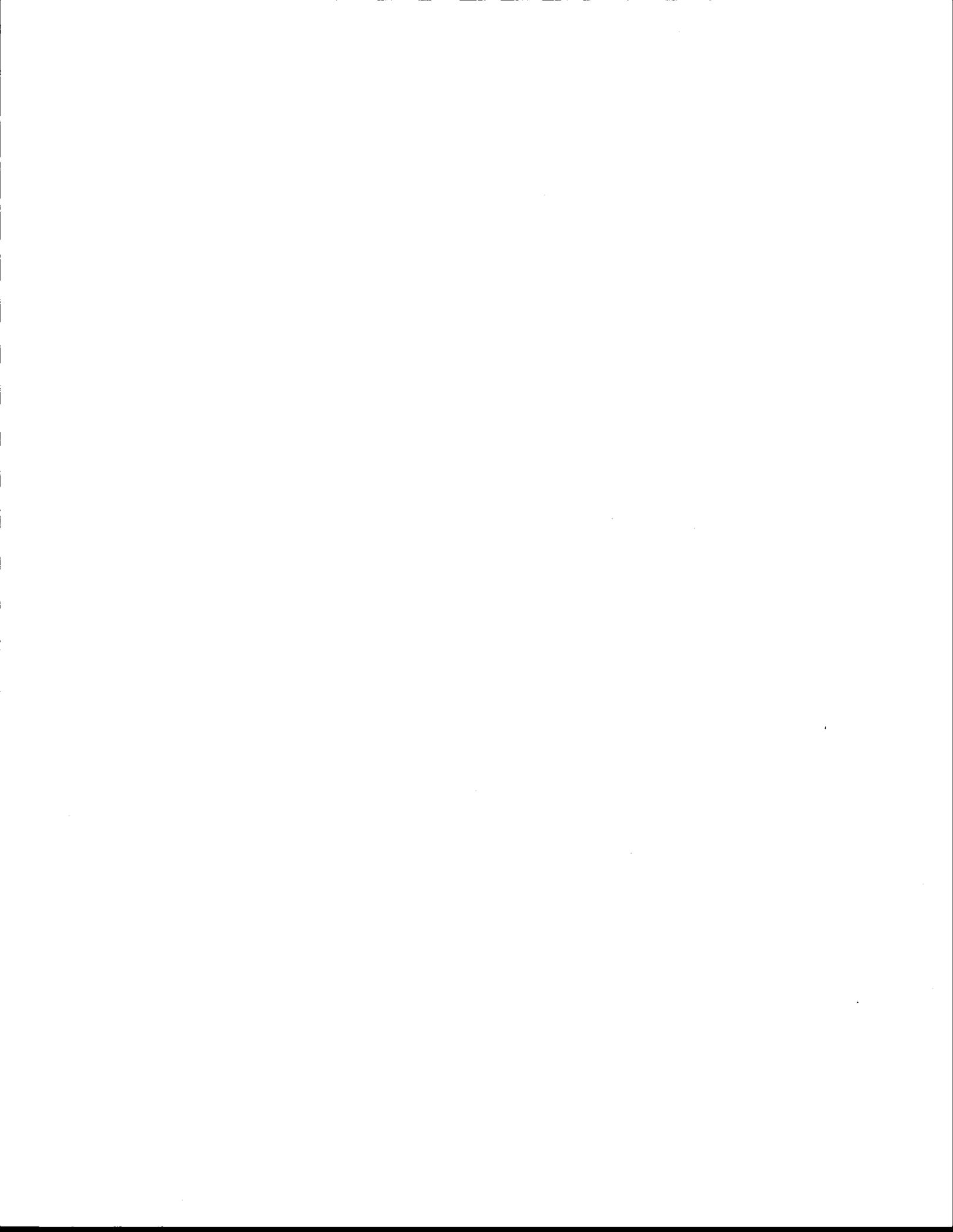
9.0 Strategy for Priority Consideration for Persons Engaged in Recycling Businesses Prior to January 1, 1986

The Mandatory Recycling Act requires that priority consideration be given to persons engaged in the business of recycling or otherwise lawfully providing recycling services on behalf of a county or municipality on January 1, 1986, if that person continues to provide uninterrupted recycling services prior to Plan adoption. The State Office of Recycling has provided a listing of persons or entities providing recycling services in Ocean County on January 1, 1986 which appears in the appendices of this Plan. No private entity was operating a recycling service on behalf of the County or any municipality as of that date. In addition none of the private entities listed operated a recycling center for any of the materials designated for recycling under this Plan.

Should the County require recycling services for that kind of service provided by the eligible persons or entities, the County would seek to give priority consideration to such persons in a manner consistent with the provisions of the Act. Any eligible business shall be notified of a request for services if the County requires a similar service under the provisions of this Plan.

10.0 Financing and Revenue Allocation

The County is responsible for development of two Ocean County Recycling Centers. The County proposes to fund the cost of these centers through the issuance of General Obligation Bonds. The County has previously stated its interest to utilize funding made available to it through the Resource Recovery Investment Tax for the support of recycling activities. The County will proceed to prepare and adopt an amendment to the District Solid Waste Management Plan to allocate revenues received from the Resource Recovery Investment Tax to retire the General Obligation Bonds issued for the development of the two Ocean County Recycling Centers. The amount of funding currently estimated as available under this



11.0 Time Schedule for Plan Implementation

Mandatory Recycling Law Enacted	April 1987
County Recycling Plan Proposed	August 1987
County Conducts Composition Study 1988	August
County Expands Tire Reef Project	August 1987
SWAC Recommends Recycling Plan to BCF	August 1987
BCF Conducts Public Hearing	September 1987
County Initiates Public Information & Education Program - Phase I 1987	September/October
County Negotiates with Ocean County Occupational Training Center	October 1987
County Establishes Recycling Center Site(s)	October 1987
BCF Adopts Recycling Plan Amendment	October 1987
County Identifies Regional Leaf Compost Site(s)	October 1987
Municipalities Make Determination Not to Use County Recycling Centers	October 1987
County Issues RFP - Recycling Center(s)	October 1987
RRI Tax Plan - Plan Amendment	December 1987
County Negotiates Operator Contract	January 1988
NJ DEP Adopts Recycling Plan	April 1988
Municipalities Introduce Mandatory Recycling Ordinance	April 1988
Construction of Recycling Centers Begin Public Information and Education Program - Phase II	April 1988
Municipalities Submit Tonnage Grants	May - September 1988
Mandatory Recycling Begins	June 1988
	October 1988

LIST OF APPENDICES

- A. Ocean County Municipal Recycling Coordinators
- B. List of Public Meetings Regarding Recycling
- C. Notice of Public Hearing
- D. Resolution of Adoption, Board of Freeholders
- E. Resolution, Solid Waste Advisory Council
- F. Model Ordinance for Mandatory Recycling
- G. Recycling Markets - Preliminary Letters of Interest
- H. Permitted Leaf Compost Facilities Certification
- I. Inventory of Recycling Businesses Meeting Priority
Consideration Criteria
- J. Resolution Supporting Ocean County Tire Reef Project
- K. Resolution Establishing the Ocean County Department of Solid
Waste Management
- L. Affidavit of Public Notice

Appendix A

Ocean County Municipal Recycling Coordinators

Ocean County Municipal Recycling Coordinators

Coordinator	Municipality
Ronald Cop.....	Barnegat Township
Edward Richards.....	Barnegat Township
Ethan Allen Smith.....	Barnegat Light Borough
Peter L. Bockius, Jr.....	Bay Head Borough
Richard Crosta.....	Beach Haven Borough
John G. Weigand, Jr.....	Beachwood Borough
Salvatore Minneci.....	Berkeley Township
Louis Buono.....	Brick Township
George Clayton.....	Dover Township
John Shannon.....	Dover Township
Anthony Yagiello.....	Eagleswood Township
Clovis Loreaux.....	Harvey Cedars Borough
Helen Kaplowitz.....	Island Heights Borough
John Smatusik, Jr.....	Jackson Township
Walter J. Baillie, Jr.....	Lacey Township
John Carr.....	Lakehurst Borough
Gil Carlson.....	Lakewood Township
Tedd Golubowski.....	Lavallette Borough
Richard Wenzel.....	Lavallette Borough
F. Richard Chiovarou.....	Little Egg Harbor Township
John J. Jones.....	Long Beach Township
James Jados.....	Manchester Township
Betsy Colie.....	Mantoloking Borough
Mayor William C. Campbell.....	Ocean Township
George Althouse.....	Ocean Gate Borough
Peter Evertz.....	Pine Beach Borough
Catherine O'Steen.....	Plumsted Township
Irv Brown.....	Point Pleasant Borough
Robert A. Meany.....	Point Pleasant Beach Borough
Leonard Ipri.....	Seaside Heights Borough
J. W. Cordaro.....	Seaside Park Borough
Councilman John J. Guld, Jr.....	Ship Bottom Borough
Councilman Roger Mallow.....	South Toms River Borough
Margaret Livingston.....	Stafford Township
Ronald C. Freitag.....	Surf City Borough
David Tooker.....	Tuckerton Borough

Appendix B

List of Public Meetings Regarding Recycling

Schedule of Public Meetings Held
Concerning Recycling Activities in Ocean County

- 1987 April 20 - SWAC/CAC
May 18 - SWAC
June 22 - SWAC
July 10 - NJ Office of Recycling - Coordinator's Mtg.
July 15 - 18 - O.C. Fair - Exhibit
July 27 - O.C. Recycling Coordinator's Meeting
July 27 - SWAC
August 21 - O.C. Recycling Coordinator's Meeting
August 24 - SWAC
August 31 - SWAC Endorses County Recycling Plan
September 30 - Board of Freeholders hold Public Hearing on
Recycling

Recycling Facility Tours

- February 6 - Camden County Recycling Facility/Delaware
Solid Waste Authority's Reclamation Plant,
New Castle, Delaware.
February 26 - Lakewood Municipal Recycling Center - (The
County hosted the NJ Association of
Recyclers Meeting).
July 30 - Rutgers Plastics Recycling Institute,
Piscataway, New Jersey.

Appendix C

Notice of Public Hearing

MEMBERS
H. GEORGE BUCKWALD, FREEHOLDER, CHAIRMAN
PHILLIP D. BERTRAND, VICE CHAIRMAN
JOSEPH H. VICARI, FREEHOLDER
RICHARD E. LANE, COUNTY ENGINEER
PETER CARLSON
ERNEST KAUFMAN
ERNEST H. MANUWALD
G. THOMAS OAKLEY
DR. JORGE WINKLER



OCEAN COUNTY PLANNING BOARD
COURT HOUSE SQUARE
C.N. 2191
Toms River, New Jersey 08754
(201) 929-2054

STEVEN L. POLLOCK
DIRECTOR

PETER S. HENNES
COUNSEL

IRENE L. HOOPER
SECRETARY

September 3, 1987

Asbury Park Press
P.O. Box 421
132 Hooper Avenue
Toms River, New Jersey 08753

TO WHOM IT MAY CONCERN:

Please print the attached public notice in the legal section of your newspaper on the following dates; September 11th and 18th, 1987.

Enclosed is a voucher which should be signed and returned to the Planning Board office for payment along with a Affidavit of Publication.

Should you have any questions, please feel free to contact me.

Very truly yours,

Kathleen C. Wallace
Principal Planner

KCW:sa
Attachment

MEMBERS
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PHILLIP D. BERTRAND, VICE CHAIRMAN
JOSEPH H. VICARI, FREEHOLDER
RICHARD E. LANE, COUNTY ENGINEER
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ERNEST KAUFMAN
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COUNSEL

IRENE L. HOOPER
SECRETARY

September 3, 1987

Times Observer
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Toms River, New Jersey 08753

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Principal Planner

KCW:sa
Attachment

LEGAL NOTICE

Public Hearing on the Ocean County Recycling Plan - An Amendment to the Ocean County District Solid Waste Management Plan

The Ocean County Board of Chosen Freeholders will conduct a special meeting on Wednesday, September 30, 1987 and will begin at 3:00 PM. The meeting will be held in Room 119 of the County Administration Building, 101 Hooper Avenue, Toms River, New Jersey. The special meeting includes two agenda items; the first item is a public hearing on proposed amendments to the Ocean County Water Quality Management Plan. The second item is a public hearing on the proposed Ocean County Recycling Plan, an amendment to the Ocean County District Solid Waste Management Plan and will begin immediately following the first public hearing.

The County has prepared a Recycling Plan in accordance with the requirements of the Mandatory Recycling and Source Separation Law of 1987. The Plan identifies the designated recyclable materials and defines recovery target rates for each Ocean County municipality and sets forth the strategy for collection, marketing and disposition of the recyclable materials. Under the plan the County proposes to construct two regional recycling centers to process the materials collected.

Appendix D

Resolution of Adoption, Board of Freeholders

R E S O L U T I O N

October 21, 1987

WHEREAS, the Ocean County Board of Chosen Freeholders has adopted and the Commissioner of the Department of Environmental Protection has certified, as required by State law, a Solid Waste Management Plan for Ocean County; and

WHEREAS, the New Jersey Mandatory Source Separation and Recycling of Solid Waste Act (P.L. 1987, c.102) requires that each county in the State prepare, adopt and implement a mandatory recycling plan as an element of its District Solid Waste Management Plan; and

WHEREAS, the County's professional staff, consultants and the Ocean County Solid Waste Advisory Council have recommended that the Board of Chosen Freeholders adopt the Ocean County Recycling Plan as an amendment to the Ocean County District Solid Waste Management Plan to provide for mandatory recycling of designated materials in Ocean County; and

WHEREAS, a proposed Plan amendment report together with necessary maps and supportive documents was prepared and publicly distributed as required by law, and the proposed Plan amendment was subject to public comment during a public hearing conducted on September 30, 1987 in the Ocean County Administration Building, Toms River, New Jersey; and

WHEREAS, the Ocean County Board of Chosen Freeholders has carefully considered the recommendations of its staff and consultants, the Solid Waste Advisory Council and has further considered both oral and written comments and testimony from the public hearing.

NOW, THEREFORE, BE IT RESOLVED that the Ocean County Board of Chosen Freeholders hereby adopts the document entitled, "Ocean County Recycling Plan" dated October 20, 1987 as an amendment to the Ocean County Solid Waste Management Plan.

BE IT FURTHER RESOLVED that copies of this Resolution and the Plan amendment report, copies of the public hearing transcript and other pertinent information be submitted to the Commissioner of the New Jersey Department of Environmental Protection for State certification as required by law and that copies of this Resolution be forwarded to the Ocean County Solid Waste Advisory Council, Ocean County Citizens Advisory Committee on Resource Recovery, Ocean County Mayors, Ocean County Legislators, and other parties as required by law.

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

21st day of October, 1987

Richard J. Blanchard
Deputy Clerk of the Board

Appendix E

Resolution, Solid Waste Advisory Council

RESOLUTION

August 31, 1987

WHEREAS, the Solid Waste Management Act, N.J.S.A. 13:1E-1 et seq. designates Ocean County as a Solid Waste Management District and requires the County to prepare, adopt and implement a Solid Waste Management Plan for the disposal of solid waste generated in Ocean County; and

WHEREAS, the Ocean County Board of Chosen Freeholders adopted the Ocean County District Solid Waste Management Plan on July 18, 1979 and said Plan was certified by the Commissioner of the New Jersey Department of Environmental Protection as required by law; and

WHEREAS, the Ocean County District Solid Waste Management Plan was most recently amended by the Ocean County Board of Chosen Freeholders on October 7, 1986 and said amendment was likewise certified by the Commissioner of the New Jersey Department of Environmental Protection on February 27, 1987; and

WHEREAS, the Legislature has adopted the New Jersey State-wide Mandatory Source Separation and Recycling Act, P.L. 1987, c.102, which requires each county to prepare and adopt a district recycling plan as an amendment to its Solid Waste Management Plan on or before October 20, 1987; and

WHEREAS, the Ocean County Planning Board staff has prepared and submitted to the Ocean County Solid Waste Advisory Council a draft document entitled, "Ocean County Recycling Plan, August, 1987" for its review and recommendations; and

WHEREAS, the County proposes to adopt this draft Plan as an amendment to the Ocean County District Solid Waste Management Plan; and

WHEREAS, the Ocean County Solid Waste Advisory Council is responsible for reviewing and taking formal action on all significant aspects of the Ocean County Solid Waste Management Plan

and for making recommendations to the Board of Chosen Freeholders on all proposed amendments and changes thereto; and

WHEREAS, the Ocean County Solid Waste Advisory Council has heard presentations from the County's consultants and staff and has reviewed the proposed "Ocean County Recycling Plan, August, 1987"; and

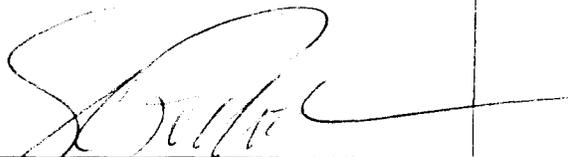
WHEREAS, the Ocean County Solid Waste Advisory Council finds that it is in the public interest to mandate the source separation of marketable waste materials generated in Ocean County so that reusable materials may be returned to the economic mainstream in the form of raw materials or products; and

WHEREAS, the source separation and collection of marketable recyclable materials is mandated by the New Jersey Statewide Mandatory Source Separation and Recycling Act;

NOW, THEREFORE, be it resolved by the Ocean County Solid Waste Advisory Council, Ocean County, New Jersey as follows:

1. The Ocean County Solid Waste Advisory Council recommends that the Ocean County Board of Chosen Freeholders adopt the proposed "Ocean County Recycling Plan, August, 1987" as an amendment to the Ocean County District Solid Waste Management Plan.

2. A copy of this resolution shall be forwarded to the Ocean County Board of Chosen Freeholders, the Ocean County Planning Board, the Commissioner of the New Jersey Department of Environmental Protection, and the Clerk of each municipality in Ocean County.


Steven L. Pollock, Secretary

Appendix F

Model Ordinance for Mandatory Recycling

MODEL RECYCLING ORDINANCE

(TOWNSHIP/BOROUGH) OF _____

ORDINANCE NO. 87-____

AN ORDINANCE TO ESTABLISH A PROGRAM FOR THE COLLECTION OF RECYCLABLE MATERIAL FROM RESIDENCES AND COMMERCIAL AND INSTITUTIONAL ESTABLISHMENTS IN THE (TOWNSHIP/BOROUGH of _____); TO PROHIBIT THE DISPOSAL OF RECYCLABLE MATERIALS INTO THE CONVENTIONAL MUNICIPAL SOLID WASTE DISPOSAL SYSTEM; TO EMPOWER THE (MUNICIPALITY, RECYCLING COORDINATOR, SUPERINTENDENT OF PUBLIC WORKS) TO PROMULGATE REASONABLE REGULATIONS THEREFORE; AND TO FIX PENALTIES FOR THE VIOLATION THEREOF.

WHEREAS, the removal of recyclable materials from the municipal solid waste stream will decrease the flow of solid waste to sanitary landfill facilities; aid in the conservation and recovery of valuable resources; conserve energy in the manufacturing process; and increase the supply of reusable raw materials for the State's industries; and

WHEREAS, it is in the public interest to mandate the source separation of marketable waste materials generated in the (Township/Borough) of _____ so that reusable materials may be returned to the economic mainstream in the form of raw materials or products rather than be disposed of at a sanitary landfill facility; and

WHEREAS, the Legislature has adopted the New Jersey Statewide Mandatory Source Separation Recycling Act, P.L. 1987, c.102, which requires that each municipality in the State adopt an ordinance providing for the separation from the municipal solid waste stream of specified recyclable materials and establishing a collection system for the same; and

WHEREAS, the source separation and collection of recyclable materials from residences and commercial and institutional establishments promotes the general public interest and is mandated by law;

Residence. Any occupied single or multi-family dwelling having up to four dwelling units per structure from which a municipal or private hauler collects solid waste.

Solid Waste shall mean garbage, refuse, and other discarded solid material normally collected by a municipal or private hauler.

Section 3. Establishment of Program: There is hereby established a program for the mandatory separation of the following recyclable materials from the municipal solid waste stream by all persons within the (Township/Borough) of _____, hereinafter referred to as the "Municipality":

1. Aluminum Cans
2. Ferrous Containers
3. Glass Containers
4. Newspapers

Section 4. Separation of Recyclables and Placement for Disposal:

A. The recyclable materials designated in Section 3 of this Ordinance, excluding newspapers, shall be put in a suitable container, separate from other solid waste, and placed at the curb or such other designated area for collection at such times and dates as may be hereinafter established in the Municipality's recycling regulations. The container for recyclable materials shall be clearly labelled and placed at the curb or such other designated area for each collection, regardless of whether any recyclable materials are available for collection.

B. Newspapers shall be bundled and tied with twine or placed in a kraft paper (brown paper) bag and placed at the curb or other designated area for collection at such times and dates as are established in the Municipality's recycling regulations. The maximum weight of each bundle of newspaper shall not exceed 30 pounds (approximately 12 inches high).

Section 5. Separation of Leaves and Placement for Disposal: All persons within the Municipality shall, for the period from September 1 through December 31 of each year, separate leaves from other solid waste generated at their premises and,

Section 9. Violations and Penalties:

A. Any person, firm or corporation violating the provisions of Section 6 of this Ordinance shall be subject to a fine of not less than One Hundred Dollars (\$100.00) nor more than Five Hundred Dollars (\$500.00) for each offense.

B. Any person, firm or corporation violating any provision of this Ordinance other than Section 6, or any regulations adopted hereunder, shall be subject to a fine of not less than Twenty-five Dollars (\$25.00) nor more than Five Hundred Dollars (\$500.00) for each offense.

C. No action shall be taken to enforce the provisions of Sections 3 and 4 of this Ordinance until three months after the effective date of the promulgation of the regulations authorized hereunder.

D. Each and every day in which a violation of any of the provisions of this Ordinance exists shall constitute a separate offense.

Section 10. Exemptions: The (Township Committee/ Council) of the Municipality may exempt persons occupying commercial and institutional establishments from the source separation requirements of Section 4 of this Ordinance if those persons have otherwise provided for the recycling of recyclable materials designated in Section 3 of this Ordinance. To be eligible for an exemption under this Section, the person seeking the same shall, prior to June 1 of each year, provide written documentation to the Municipality of the total amount of materials recycled during the preceding calendar year.

Section 11. Severability: If any section, sentence or any other part of this Ordinance is adjudged unconstitutional or invalid by a court of competent jurisdiction, such judgment shall not affect, impair or invalidate the remainder of this Ordinance but shall be confined in its effect to the section, sentence or other part of this Ordinance directly involved in the controversy in which such judgment shall have been rendered.

Section 12. Inconsistent Ordinances Repealed: All ordinances or parts of ordinances which are inconsistent with the provisions of this Ordinance are hereby repealed to the extent of such inconsistency.

Appendix G

Recycling Markets -
Preliminary Letters of Interest



MEMBERS
H. GEORGE BUCKWALD, FREEHOLDER, CHAIRMAN
PHILLIP D. BERTRAND, VICE CHAIRMAN
JOSEPH H. VICARI, FREEHOLDER
RICHARD E. LANE, COUNTY ENGINEER
PETER CARLSON
ERNEST KAUFMAN
ERNEST H. MANUWALD
G. THOMAS OAKLEY
DR. JORGE WINKLER

OCEAN COUNTY PLANNING BOARD
COURT HOUSE SQUARE
C.N. 2191
Toms River, New Jersey 08754
(201) 929-2054

STEVEN L. POLLOCK
DIRECTOR

PETER S. HENNES
COUNSEL

IRENE L. HOOPER
SECRETARY

September 3, 1987

Re: Advance Letter of Interest to Purchase Recovered Materials

Dear Sir/Madam:

The County of Ocean is proposing to develop two Recycling Centers to process and market recyclable materials. The materials designated for mandatory source separated recycling by each municipality in Ocean County are aluminum and ferrous (tin) containers, newspaper and glass containers. It is anticipated that the two County Recycling Centers will be operational in September, 1988 and that mandatory recycling will begin in October, 1988.

In order to more accurately define the market availability for secondary materials, the County is asking those companies interested in purchasing materials from the Ocean County Recycling Centers to endorse this advance Letter of Interest. This expression of interest is in no way a commitment on your part to purchase materials, or to continue as an interested party. The intent of this letter is to establish a working relationship between you, a materials processor/market, and Ocean County for the implementation of its recycling program.

Thank you for your expression of interest. Please retain an endorsed copy for your records and return this letter with the completed survey form to Ocean County at the above address. If you should have any questions, please feel free to contact Mr. John Haas at 201-929-2054.

Very truly yours,

Steven L. Pollock
Planning Director

SLP:sh
Attach:Survey
cc: Board of Chosen Freeholders

MEMBERS
H. GEORGE BUCKWALD, FREEHOLDER, CHAIRMAN
PHILLIP D. BERTRAND, VICE CHAIRMAN
JOSEPH H. VICARI, FREEHOLDER
RICHARD E. LANE, COUNTY ENGINEER
PETER CARLSON
ERNEST KAUFMAN
ERNEST H. MANUWALD
G. THOMAS OAKLEY
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(201) 929-2054

STEVEN L. POLLOCK
DIRECTOR

PETER S. HENNES
COUNSEL

IRENE L. HOOPER
SECRETARY

Letter of Interest to Purchase Recovered Materials
Page 2 of 2
September 3, 1987

Signature

Name (Please Print)

Company

Address

Materials Interested In
(Specify)

Ocean County, New Jersey

SECONDARY MATERIALS MARKET SURVEY

1. Your Name: _____
Title: _____
Company Name: _____
Address: _____
Telephone: _____

Type of Company: Manufacturer Broker/Processor Recycling Center

<u>Secondary Materials Purchased</u>	<u>Approximate Price (\$/ton)</u>	<u>Minimum Quantities Accepted</u>	<u>Material Specifications</u>
Paper			
Newsprint	_____	_____	_____
OCC	_____	_____	_____
CPO	_____	_____	_____
Metal			
Aluminum cans	_____	_____	_____
Tin cans	_____	_____	_____
Bimetal cans	_____	_____	_____
Glass			
Color-sorted	_____	_____	_____
Color-mixed	_____	_____	_____
Plastics			
PET bottles	_____	_____	_____
Other	_____	_____	_____

2. Will you provide storage containers, processing equipment, or collection services?
Yes _____ No _____

Comment: _____

3. Will you enter into a contract with a recycling program for the purchase of recyclables?

Please comment _____

4. Additional comments: _____

Your time and consideration in completing and promptly returning this form is very much appreciated.

PLEASE RETURN BY OCTOBER 15, 1987.

Distribution List - Advance Letter of Interest to Purchase
Recovered Materials

Allied Waste Products, Inc.
61 Midland Avenue
Wallington, NJ 07057

Aluminum Smelters of NJ, Inc.
9000 River Road
Delair, NJ 08110

Attn: A.J. Grossman

Daniel Parisi & Son
P.O. Box 56
Delair, NJ 08110

Attn: Luis Parisi

Morris Fibres, Inc.
1809 Lark Lane
Box 597
Cherry Hill, NJ 08002

Attn: Maurice Colontonia

S. Yaffa's Sons Inc.
619 Chestnut Street
Camden, NJ 08103

Attn: Jerry Yaffa

V. Ponte & Sons, Inc.
1300 Pine Street
Camden, NJ 08103

Goldmet Corp.
325 Freylinghuysen Avenue
Newark, NJ 07102

Attn: Alan Goldstein

Paper Recycling Corp.
145 Manchester Place
Newark, NJ 07104

Attn: Anthony Giodano

F. Rover and Son Iron & Steel
516 Central Avenue
Harrison, NJ 07029

C & R Waste Materials Inc.
Beakes Street
Trenton, NJ 08605

Attn: Fred Pallotti

Edison Recycling Company
355 Meadow Road
Edison, NJ 08903

Attn: John Daniello

Brockway Inc.
Center Street
Freehold, NJ 07728

Attn: Roger Wangerien

Monmouth Recycling Corporation
492 Rear Joline Avenue
Long Branch, NJ 07740

Attn: Richard M. Rosen

Monmouth Processing Company
3418 Sunset Avenue
Ocean Township, NJ 07712

Attn: Jeffrey Serkin

Recycling & Salvage Corporation
Freylinghuysen Avenue
Newark, NJ 07114

Attn: Dan Fasano

Lakewood Paper Recycling Center
845 Towbin Avenue
Lakewood, NJ 08701

Attn: Lyle Smith

Point Pleasant Distributors
P.O. Box 1046
Pt. Pleasant Beach, NJ 08742

Attn: John Wardel

Al-Jan Corporation
Route 206
Byram, NJ 07874

Attn: Albert Raimo

Wagen Container Company
RD 4, Box 180
Pleasantville, NJ 08232

Attn: Steve Wagen

Reynolds Metal Company
401 Madrid Avenue
Torrance, CA 90505

Attn: Ted Lising

Appendix H

Permitted Leaf Compost Facilities Certification

H-1	Beachwood Borough
H-2	Brick Township
H-3	Dover Township
H-4	Jackson Township
H-5	Lacey Township
H-6	Lakewood Township
H-7	Manchester Township
H-8	Stafford Township

Appendix H-1

Beachwood Borough Compost Facility
Facility Registration Number 1504B



State of New Jersey
DEPARTMENT OF ENVIRONMENTAL PROTECTION

DIVISION OF WASTE MANAGEMENT
32 E. Hanover St., CN 028, Trenton, N.J. 08625

DR. MARWAN M. SADAT, P.E.
DIRECTOR

LINO F. PEREIRA, P.E.
DEPUTY DIRECTOR

May 10, 1984

John G. Weigane, Jr.
Assistant Public Works Superintendent
315 Atlantic City Boulevard
Beachwood, NJ 08722

RE: Beachwood Compost Facility, Located on Block H-49, 64 & 63,
Lots 1 to 60 and 1 to 30, Hickory Street and Longboat Avenue,
Beachwood, Ocean County

Dear Mr. Weigane:

I am enclosing herewith a Certificate of Approved Registration and Engineering Design Approval regarding your subject facility.

Conditions have been incorporated within this approval that must be complied with in order for this Certificate to remain valid. The Department will consider amendment or modification of the specific terms of the conditions of this Certificate, if the Registrant submits a written request by certified mail within fifteen days of receipt of the Certificate. Said written request must clearly state the proposed amendment or modification, and the factual basis for the request. This registration is non-transferable.

Also note that if pollution control equipment is required to meet certain conditions within the attached document, you may be eligible for financial assistance. I have enclosed additional information concerning financial assistance for pollution control facilities.

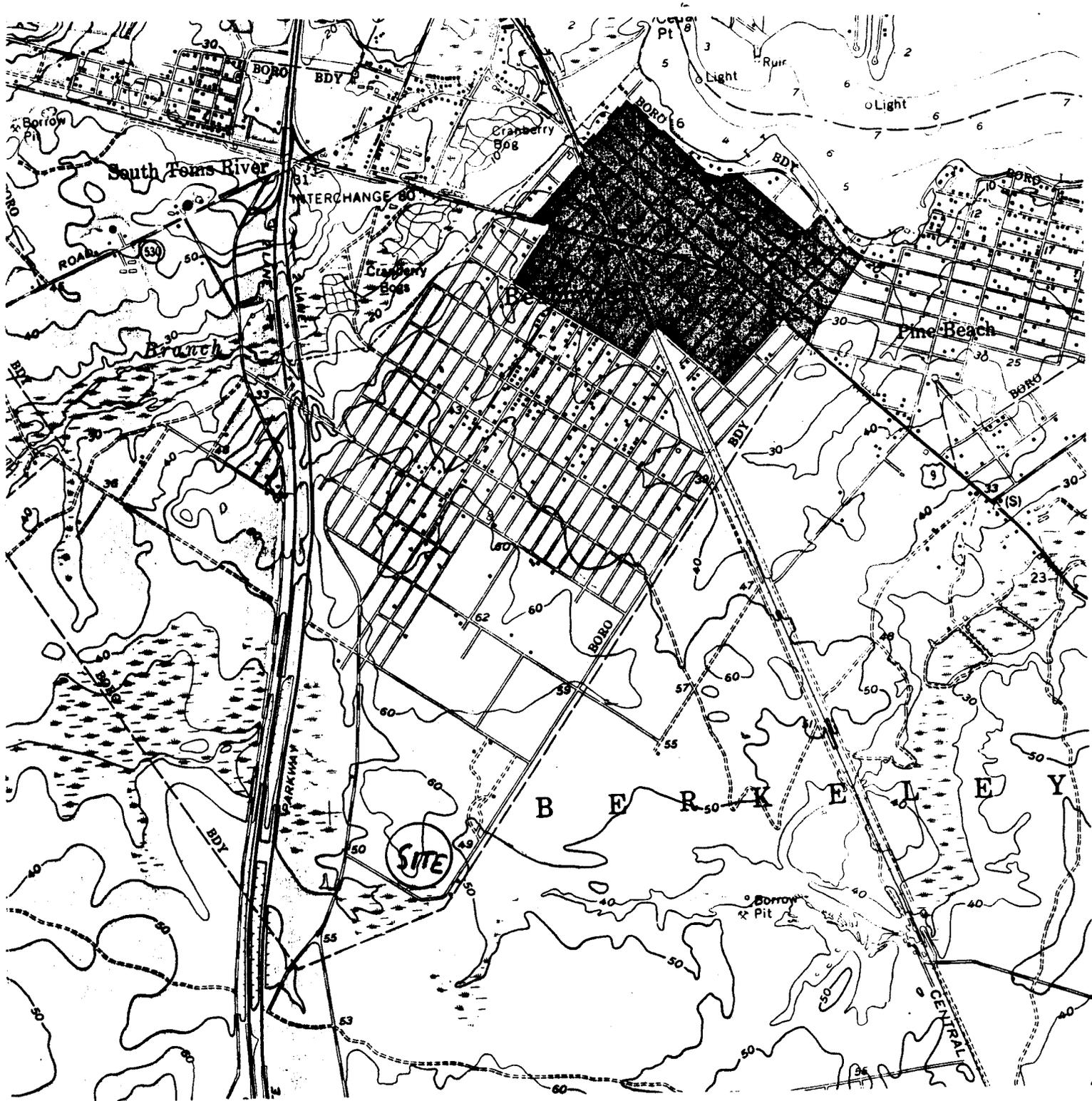
Very truly yours,

Walter Burshtin, P.E., P.P.
Chief, Bureau of Solid Waste Facility Review

EP26:gk

Enclosure

MAY 14 1984



Beachwood Borough Compost Facility



State of New Jersey
DEPARTMENT OF ENVIRONMENTAL PROTECTION

DIVISION OF WASTE MANAGEMENT
32 E. Hanover St., CN 028, Trenton, N.J. 08625

DR. MARWAN M. SADAT, P.E.
 DIRECTOR

CERTIFICATE OF APPROVED REGISTRATION
AND ENGINEERING DESIGN APPROVAL

LINO F. PEREIRA, P.E.
 DEPUTY DIRECTOR

Under the provisions of N.J.S.A. 13:1E-et seq known as the Solid Waste Management Act, this registration is hereby issued to:

BEACHWOOD

for the purpose of operating a:	<u>Compost Facility</u>
on Lot No.(S)	<u>1 to 60, 1 to 30</u>
BLOCK NO. (S)	<u>H - 49, 64 & 63</u>
in the municipality of	<u>Beachwood</u>
county	<u>Ocean</u>
under Facility Registration Number	<u>1504B</u>
Expiration Date	<u>May 10, 1994</u>

This approval is subject to compliance with all conditions specified herein and all regulations promulgated by the Department of Environmental Protection and shall be voided if: (1) construction of the facility identified herein does not begin within one year of the date of this approval (2) operation of the facility identified herein does not commence within two years of the date of this approval.

This approval shall not prejudice any claim the State may have to Riparian land, nor does it permit the registrant to fill or alter, or allow to be filled or altered, in any way, lands that are deemed to be Riparian, Wetlands, Stream encroachment or flood plains, or within the Coastal Area Facility Review Act (CAFRA) zone and the New Jersey Pinelands Protection Act of 1979 or allow the discharge of pollutants to waters of this State without first acquiring the necessary grants, permits or approvals from the Department of Environmental Protection.

This registration is non-transferable.

Date May 10, 1984

Walter Burshtin
 Walter Burshtin, P.E., P.P.
 Chief, Bureau of Solid Waste
 Facility Review

Certificate of Approved Registration and Engineering Design Approval for Beachwood Compost Facility, Ocean County, New Jersey

This Certificate of Approved Registration and Engineering Design Approval is conditioned upon the compliance with and implementation of the following:

1. Only the following waste materials may be accepted for composting at this facility:

<u>I.D.</u>	<u>Description.</u>
23	Vegetative Waste

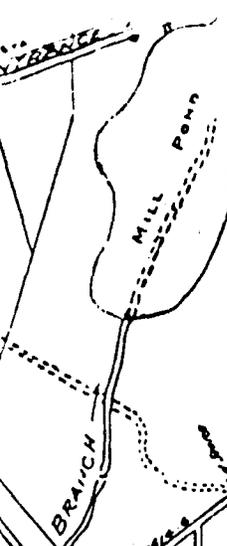
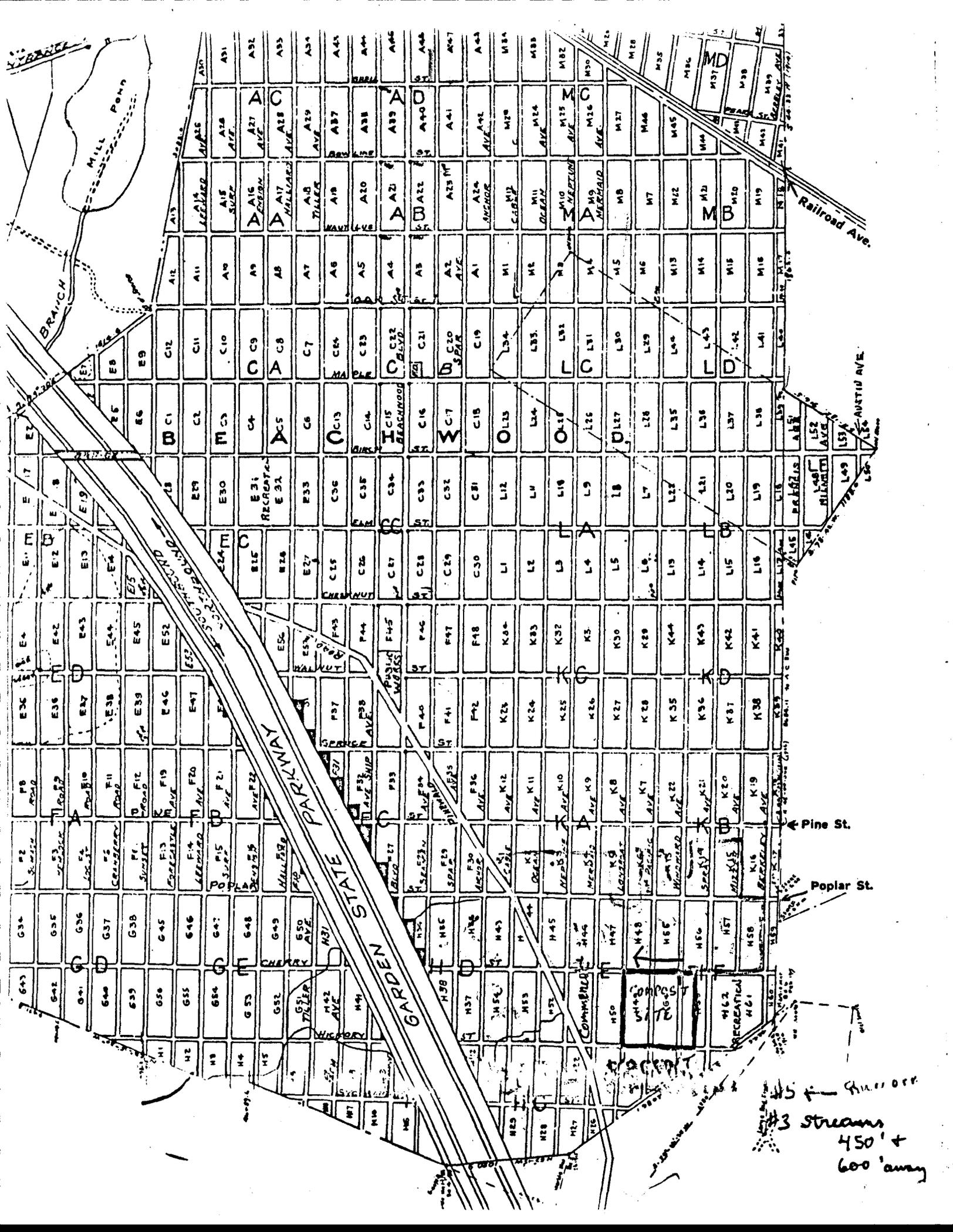
2. The following waste materials are specifically prohibited for disposal at this facility:

<u>I.D.</u>	<u>Description</u>
10	Municipal (Household, Commercial and Institutional)
12	Dry Sewage Sludge
13	Bulky Waste
25	Animal and Food Processing Waste
27	Dry Industrial Waste
72	Bulk Liquid and Semi-Liquids
73	Septic Tank Clean-Out Waste
74	Liquid Sewage Sludge

3. The operation of this facility must follow acceptable methods of composting which result in the biochemical degradation of the organic material received.
4. Windrows shall be properly constructed to provide the suitable conditions for composting.
5. Turning, shredding and reconstruction of the windrows shall be performed at least once (1) every ten (10) months to supply the adequate amount of oxygen within the piles for converting leaves to humus and to reduce the volume of the windrows.
6. Proper drainage shall be maintained to avoid excessive moisture and anerobic conditions during wet weather.
7. Upon completion of the composting cycle the leaf mold must receive a final aeration and cleaning to insure the best end result for use as a soil mixture.
8. This approval is for a maximum period of ten (10) years from the date of its issuance. This approval can be renewed at that time upon proper application provided that the operation will meet all Division of Waste Management requirements that may exist when renewal application is made.
9. The operation of this facility must be in accordance with the provisions of N.J.A.C. 7:26-1 et seq. and the conditions of this Certificate.

10. This approval permits operation of the facility only insofar as the facility operates in compliance with the Approved Ocean County District Solid Waste Management Plan, or any modifications of said plan approved after the effective date of this registration.
11. The registrant hereby agrees, consents and authorizes representatives of the Department of Environmental Protection (hereinafter DEP) to make whatever inspections, searches and examinations of all premises occupied by it which may be impacted by the activities authorized by this approval whenever these representatives, in their discretion, consider such an inspection, search and/or examination necessary to determine the extent of compliance with any and all conditions of the approval. Any refusal to allow entry to the Department's representatives shall constitute grounds for either suspension and/or revocation of this approval. Furthermore, the Registrant hereby agrees, consents and authorizes the representatives of the Department to present a copy of this approval to any Municipal or State Police officer having jurisdiction over the registrant's premises in order to have said officer effectuate compliance with this right of entry, should the Registrant at any time refuse to allow entry to said DEP inspectors.

Failure to comply with any or all limitations heretofore mentioned will result in the Department seeking relief under N.J.S.A. 13:1E-1 et seq., the Solid Waste Management Act. Specifically, failure to so comply may result in loss of operating authority, pursuant to N.J.S.A. 13:1E-12.



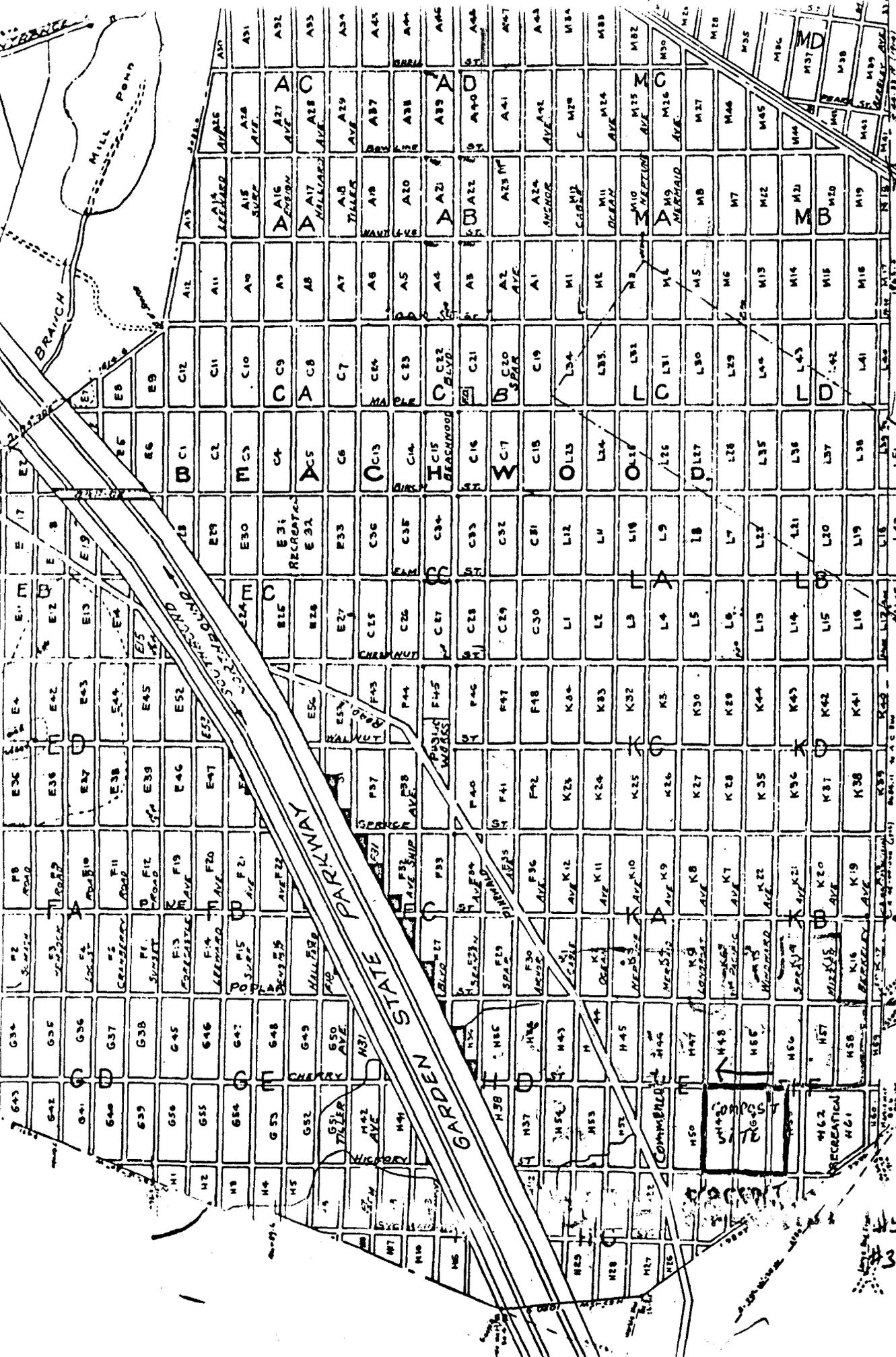
Railroad Ave.

AUSTIN AVE.

Pine St.

Poplar St.

3 streams
450' +
600' away



Let's protect our earth



State of New Jersey
DEPARTMENT OF ENVIRONMENTAL PROTECTION

STANDARD APPLICATION FORM (CP #1)
CONSTRUCTION AND DISCHARGE PERMITS

FEB 29

READ REQUIREMENTS
PLEASE TYPE OR PRINT

JOHN G. WEIGAND JR., ASST. PUBLIC WORKS SUPT.

1. Applicant/Owner * Borough of Beachwood Telephone (201) 349-2522

Permanent Legal Address 315 ATLANTIC CITY BLVD.

City or Town BEACHWOOD State NEW JERSEY Zip Code 08722

2. Location of Work Site _____

Name of Facility, if applicable N/A

Street/Road Corner of Hickory St. and Longboat Ave.

Lot No. 1 to 60 & 1 ³⁰ Block No. H-49, 61 & 63

City or Town same State same Zip Code same

Municipality Borough of Beachwood County Ocean

3. If applicable, give name of: Engineer/Surveyor/Well Driller/Geologist/Soil Scientist (Specify).

Name N/A N.J. License No. _____

Name of Firm, if employee _____

Address _____ County _____

Municipality _____ State _____ Zip Code _____

Telephone () _____

4. This is an application for 9.23 Solid Waste Permit
(Name of permit, certification, approval or exemption. See Item 9. Next Page.)

5. Fee is attached (If applicable). \$ _____
(Provide explanation of how fee was calculated. Read Requirements Section of Standard Application booklet.)

6. Estimated construction cost of project:

a. \$ 500.00 total cost of the project.

b. \$ 500.00 portion for which this permit is requested.

7. I have included certifications of any public notifications. Yes _____ No XXX

8. If applicable:

(For Waterfront Development and Stream Encroachment applications, 8c. must be completed.)

a. Source of Water Supply _____

b. For Treatment at (Water Treatment Plant) _____

c. Stream, Waterway, Pond or Lake _____

d. Wastewater Treatment Facility _____

* Applicant/Owner must be the individual or municipality, public agency, utility, company, industry who will be the eventual owner and operator of said facility (sewer extension or treatment works) when completed.

9. Have any other applications for this site/project been submitted, or have any state permits been issued for this project? (If yes, indicate status and project number below.)

No XXX..... Yes Decision

PERMIT TYPE	(Use additional sheets if necessary.)	APPLICATION STATUS	PROJECT #
		(PENDING - APPROVED)	
9.1	CAFRA.....	_____	_____
9.2	Waterfront Development (Riparian).....	_____	_____
9.3	Wetlands.....	_____	_____
9.4	Purchase Water	_____	_____
	Diversion:		
9.5	Divert Water Supply for Public Use.....	_____	_____
9.6	Divert Surface Waters for Private Use	_____	_____
9.7	Divert Subsurface/Percolating Water for Private Use	_____	_____
9.8	Well Drilling	_____	_____
9.9	Permanent Water Lowering	_____	_____
9.10	Temporary Water Lowering.....	_____	_____
9.11	Construct/Modify, Operate Public Potable Water Works.....	_____	_____
9.12	Connection between an approved water supply and non-approved supply ...	_____	_____
9.13	Water Quality Certification.....	_____	_____
9.14	Construct/Repair Dam	_____	_____
9.15	Stream Encroachment.....	_____	_____
9.16	Sewer Systems: Collectors, Pump Station, etc.....	_____	_____
9.17	Exemption from Sewer Ban	_____	_____
9.18	New Jersey Pollutant Discharge Elimination System (Specify).....	_____	_____
9.19	Solid Waste Permits (Specify).....	_____	_____
9.20	Air Quality Permits (Specify).....	_____	_____
9.21	Delaware and Raritan Canal Review Zone "Certificate of Approval"	_____	_____
9.22	Pinelands Certificate	_____	_____
9.23	Other State agencies' permits.....	_____	_____
9.24	Local Permits	_____	_____
9.25	Federal Permits.....	_____	_____

10. Brief Description of the Proposed Project and Intended Use:

Municipal compost operation collecting leaves, grass clippings and branches.

11. I hereby certify that the information furnished on this application (and the attachments) is true. I am aware that false swearing is a crime in this State and subject to prosecution.

John G. Weigane Jr 2-7-81
Type: Name and Date


Signature of Applicant

Asst. Public Works Supt.
Type: Position

Feb. 7 1981
Date

ENGINEERING PLAN REQUIREMENTS
FOR COMPOST AREAS
LEAVES, BRANCHES AND
AGRICULTURAL WASTE

1. Completed application form () Blank form enclosed

LOCATION:

2. Site location map, including roads and any streams, ponds, etc. within a one half mile radius of the site, and delineate the boundary of the compost area.
- () 3. Encroachment permit from Division of Water Resources, if necessary.
4. Surrounding land use (e.g. rural, residential, commercial).
5. Drainage characteristics (e.g. direction of run-off slope of land, any ditches, and run-off from surrounding areas).
6. Surface soil characteristics.

OPERATIONAL PROCESS:

7. Estimated volume of leaves per year (cubic yards).
8. Brief description of composting process including:
- () Aeration methods
 - () If shredding is employed (and if so, please explain process)
 - () If additives are employed (and if so, please explain process)
9. If agricultural wastes are accepted or employed as additive:
- () Types of agricultural waste
 - () Amounts of waste
 - () Description of means for mixing with leaves
 - () Method of erosion prevention
10. Length of time to compost.
11. Method of odor control.
12. Types of equipment used.
- FINAL USE:
13. Description of how end product will be used or disposed.

BOROUGH OF BEACHWOOD

Public Works Department

1150 BEACHWOOD BOULEVARD
BEACHWOOD, NEW JERSEY 08722

Phone: (201) 349-2522



February 7, 1984

ENGINEERING PLAN REQUIREMENTS

1. Yes
2. See Attached map - County roads, Hickory St., Berkeley Ave., & Pinewald rd.
Municipal roads, -all in the imediate area are paper streets, all land owned
by the Borough. Closet stream 450' next stream 640' both small streams.
- 3.
4. Residential, Commercial, & Recreation
5. See attached map
6. Sand & gravel
7. 500 cu. yds.
8. A. Turning over with a 930 Catillar rubber tire loader
B. N/A
C. N/A
9. N/A
10. 1 to 2 years
11. Lime
12. Garbage trucks, dump trucks, & front end loaders
13. Will be used on Municipal projects (land reclamation, erosion ect.),
offered to the Borough residents, and for sale for commercial use.

Appendix H-2

Brick Township Compost Facility
(Application Pending Approval)



Brick Township Compost Facility



State of New Jersey
DEPARTMENT OF ENVIRONMENTAL PROTECTION

STANDARD APPLICATION FORM (CP # 1)
CONSTRUCTION AND DISCHARGE PERMITS

FOR OFFICIAL USE

READ REQUIREMENTS
PLEASE TYPE OR PRINT

1. Applicant/Owner* Township of Brick Telephone (201) 477-3000
Permanent Legal Address 401 Chambersbridge Road
City or Town Brick State N.J. Zip Code 08723
2. Location of Work Site 900' North of Sally Ike Road
Name of Facility, if applicable Public Works Garage
Street/Road Ridge Road
Lot No. 4, 20, 21 & 25 Block No. 1422
City or Town Brick State N.J. Zip Code 08723
Municipality Brick Township County Ocean
3. If applicable, give name of: Engineer/Surveyor/Well Driller/Geologist/Soil Scientist (Specify).
Name N/A N.J. License No. _____
Name of Firm, if employee _____
Address _____ County _____
Municipality _____ State _____ Zip Code _____
Telephone () _____
4. This is an application for 9.23 Solid Waste Permit
(Name of permit, certification, approval or exemption. See Item 9. Next Page.)
5. Fee is attached (If applicable). \$ N/A
(Provide explanation of how fee was calculated. Read Requirements Section of Standard Application booklet.)
6. Estimated construction cost of project:
 - a. \$ _____ total cost of the project.
 - b. \$ _____ portion for which this permit is requested.
7. I have included certifications of any public notifications. Yes _____ No X
8. If applicable:
(For Waterfront Development and Stream Encroachment applications, 8c. must be completed.)
 - a. Source of Water Supply _____
 - b. For Treatment at (Water Treatment Plant) _____
 - c. Stream, Waterway, Pond or Lake _____
 - d. Wastewater Treatment Facility _____

* Applicant/Owner must be the individual or municipality, public agency, utility, company, industry who will be the eventual owner and operator of said facility (sewer extension or treatment works) when completed.

9. Have any other applications for this project been submitted, or have any state permits been issued for this project? (If yes, indicate status and project number below.)

No Yes Decision

PERMIT TYPE	(Use additional sheets if necessary.)	APPLICATION STATUS	PROJECT #
		(PENDING - APPROVED)	
9.1	CAFRA.....	_____	_____
9.2	Waterfront Development (Riparian).....	_____	_____
9.3	Wetlands.....	_____	_____
9.4	Purchase Water.....	_____	_____
	Diversion:		
9.5	Divert Water Supply for Public Use.....	_____	_____
9.6	Divert Surface Waters for Private Use.....	_____	_____
9.7	Divert Subsurface/Percolating Water for Private Use.....	_____	_____
9.8	Well Drilling.....	_____	_____
9.9	Permanent Water Lowering.....	_____	_____
9.10	Temporary Water Lowering.....	_____	_____
9.11	Construct/Modify, Operate Public Potable Water Works.....	_____	_____
9.12	Connection between an approved water supply and non-approved supply.....	_____	_____
9.13	Water Quality Certification.....	_____	_____
9.14	Construct/Repair Dam.....	_____	_____
9.15	Stream Encroachment.....	_____	_____
9.16	Sewer Systems: Collectors, Pump Station, etc.....	_____	_____
9.17	Exemption from Sewer Ban.....	_____	_____
9.18	New Jersey Pollutant Discharge Elimination System (Specify).....	_____	_____
9.19	Solid Waste Permits (Specify).....	_____	_____
9.20	Air Quality Permits (Specify).....	_____	_____
9.21	Delaware and Raritan Canal Review Zone "Certificate of Approval".....	_____	_____
9.22	Pinelands Certificate.....	_____	_____
9.23	Other State agencies' permits.....	_____	_____
9.24	Local Permits.....	_____	_____
9.25	Federal Permits.....	_____	_____

10. Brief Description of the Proposed Project and Intended Use:

Municipal compost operation collecting leaves, grass, clippings and branches

11. I hereby certify that the information furnished on this application (and the attachments) is true. I am aware that false swearing is a crime in this State and subject to prosecution.

Daniel F. Newman

Type: Name and Date

Mayor

Type: Position


Signature of Applicant

12-24-84

Date

SOLID WASTE SUPPLEMENT TO
STANDARD APPLICATION FORM CP # 1

STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WASTE MANAGEMENT (DWM)
CN 028, TRENTON, N.J. 08625



I. Application for: (Circle A. or B.)

- A. New Facility
B. Existing Facility -- Indicate (Expansion/Closure/Disruption _____).

II. Facility Type: (Circle appropriate letters.) (Separate application for each)

- | | | | |
|---|------------------------|---------------------|---------------|
| A. Sanitary Landfill | D. Chemical Processing | F. Transfer Station | J. Disruption |
| B. Incinerator | & Treatment Facility | G. Shredder | X. Other |
| <input checked="" type="radio"/> C. Compost | E. Resource Recovery | H. Baler | .. |

III. Waste Type: (Circle all types of waste requested for acceptance at this facility by numbers.)

SOLIDS

LIQUIDS

- | | |
|---|----------------------------------|
| 10. Municipal Waste (household, commercial and institutional) | 72. Bulk Liquid and Semi-Liquid |
| 12. Dry Sewage Sludge | 73. Septic Tank Clean-Out Wastes |
| 13. Bulky Waste | 74. Liquid Sewage Sludge |
| <input checked="" type="radio"/> 23. Vegetative Waste | |
| 25. Animal and Food Processing Wastes | |
| 27. Dry Industrial | |

IV. Facility Life and Capacity:

		YEARS	TONS	CUBIC YARDS
a. Proposed Facility	Estimate	<u>Indefinite</u>	_____	<u>10,000</u>
b. Facility Expansion	Estimate	_____	_____	_____

V. Identification Numbers:

- A. Facility Registration # N/A
 B. Federal Employer ID # N/A
 C. Social Security # N/A
 D. Board of Public Utilities Commission (BPU) # N/A

Is (Will) this facility (be) under BPU regulation? Yes No

USE ADDITIONAL PAPER, IF REQUIRED, IN ORDER TO GIVE FULL AND COMPLETE DISCLOSURES TO THE FOLLOWING ITEMS.

VI. Type of Organization: (Circle appropriate letter.)

- | | | |
|-------------------|--|-----------------------|
| A. Proprietorship | <input checked="" type="radio"/> D. Municipal Government | G. Authority |
| B. Partnership | E. County Government | H. Federal Government |
| C. Corporation | F. State Government | X. Other |

VII. PARTNERSHIP DATA:

1. State the name and address of each partner, including silent or limited, and their interest:

NAME	ADDRESS	PROPORTION OF INTEREST
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

2. Registered in State of: _____ County of: _____
 3. Date of Filing: _____
 4. Agent's Name _____
 (Last) (First) (M.I.)
 Street Address _____ Telephone () _____
 City _____ State _____ Zip Code _____

VIII. CORPORATE DATA:

1. Date of Incorporation _____
 2. Registered Agent (Name) _____
 (Address) _____
 3. Corporate Officers:

OFFICIAL TITLE	NAME	BUSINESS ADDRESS
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

4. Directors:

NAME OF DIRECTOR	RESIDENCE	TERM OF OFFICE
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

5. Identify below any individual, corporation or other business organization having ownership or a controlling interest in the applicant. If applicable, the chain of ownership or control should be traced to the main parent company.

NAME _____
 ADDRESS _____
 NATURE OF CONTROL _____

6. Principal Security Holders and Voting Power. Identify the owner(s) of all securities in the applicant corporation having more than ten (10) percent of value.

NAME	ADDRESS	TYPE OF SECURITIES*	NUMBER OF VOTES
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

*(Common stock, Preferred stock, etc.)

1425

3
2378 AC.

15.1
15.339 AC
NO. 267

2.89 AC.

633 AC

7
295 AC.

18
8.84 AC

19
12.17 AC.
NO. 268

6
9.65 AC
NO. 269

Sally the ...

Ridge Rd

14.30 AC.

Composting Area

21
4.91 AC.
BRICK TWP

25
12.18 AC.

BRICK TWP

2.8 AC.

2.8 AC.

2.8 AC.

1422.B3

1422.B04

1422.B01

4
11.25 AC.

BRICK TWP

BRICK TWP

1422

1422

53
45 AC

1422.B06

1422.B05

1422.B02

7
4.90 AC.

19
14.00 AC.

1422.G

EAGLE VIEW RIDGE

1422.E

1422.D

1422.S

1422.A

1422.5

1422.A03

10
12.50 AC

13
5.32 AC

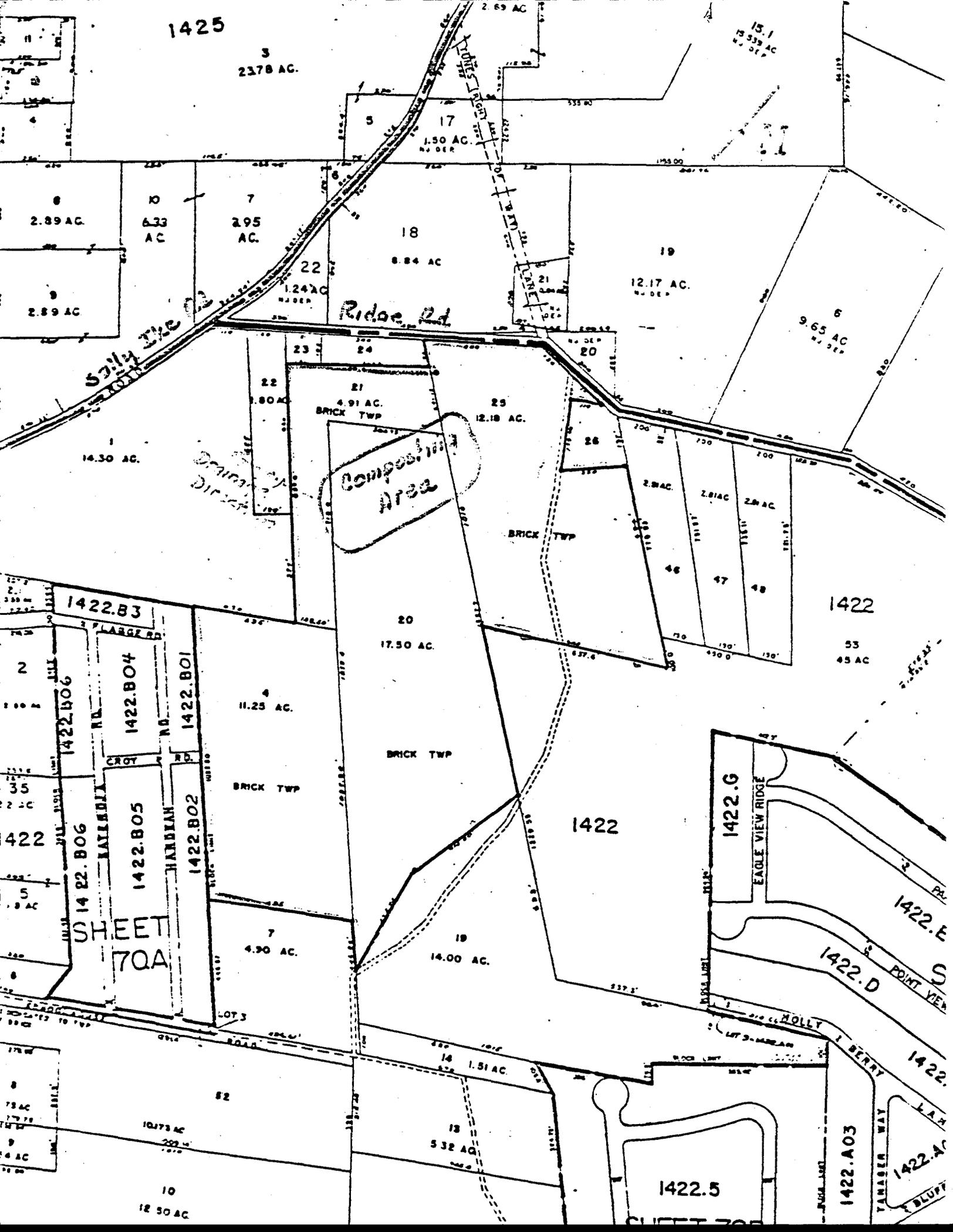
14
1.51 AC

10
12.50 AC

1422.A03

1422.A

1422.A



ENGINEERING PLAN REQUIREMENTS FOR
COMPOST AREAS
LEAVES, BRANCHES & AGRICULTURAL WASTE

1. Completed application form (blank form enclosed).

LOCATION:

2. Site location map, including roads and any streams, ponds, etc. within a one-half mile radius of the site, and delineate the boundary of the compost area.

3. U.S.G.S. Quad Sheet - Topographic Map.

4. Enroachment permit from the Division of Water Resources, if necessary.

5. Surrounding land use (e.g. rural, residential, commercial).

6. Drainage characteristics (e.g. direction of run-off slope of land, any ditches and run-off from surrounding areas).

7. Surface soil characteristics.

OPERATIONAL PROCESS:

8. Estimated volume of leaves per year (cubic yards).

9. Brief description of composting process including:

Aeration methods

If shredding is employed (and if so, please explain process)

If additives are employed (and if so, please explain process)

10. If agricultural wastes are accepted or employed as additive:

Types of agricultural waste

Amounts of waste

Description of means for mixing with leaves

Method of erosion prevention

11. Length of time to compost.

12. Method of odor control.

13. Types of equipment used.

FINAL USE:

14. Description of how end product will be used or disposed.

see
"Operational Process"

TOWNSHIP OF BRICK

OCEAN COUNTY, NEW JERSEY

401 CHAMBERS BRIDGE ROAD, BRICK TOWN, N.J. 08723

*Department of
Engineering & Public Works
Division of Engineering*

ROBERT H. CHANKALIAN, P.E., DIRECTOR

(201) 477-3000



OPERATIONAL PROCESS

BRICK TOWNSHIP COMPOST FACILITY

Annual volume of leaves per year:
5000-7000 CY

The leaves are picked up in plastic bags and are dumped in windows at the site. Shortly thereafter the bags are opened and the leaves shredded. The shredded leaves are then replaced in windows approximately eight (8') feet apart and are aerated mechanically every three (3) months.

Composting period is one (1) year.

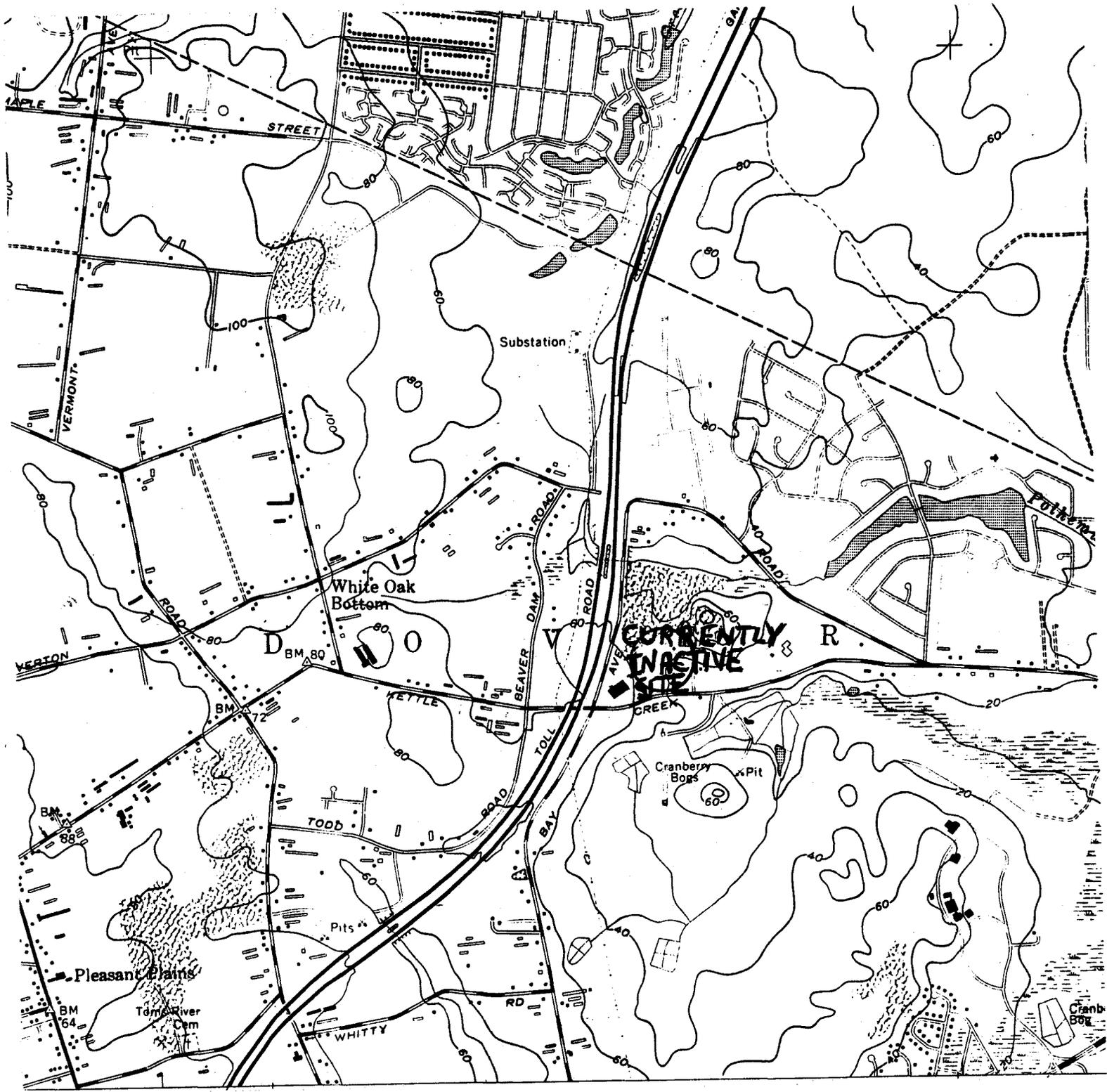
The addition of lime is used as necessary for odor control.

The leaf bags are delivered to the site in 25CY garbage trucks. A top loading shredder is used to shred the leaves and a front end loader is used for turning of the leaves.

The Township has used compost from this past year to supplement topsoil at various recreation fields. With increased production, it is anticipated that compost will become available to individuals for their landscaping and gardening needs.

Appendix H-3

Dover Township Compost Facility
Facility Registration Number 1507F



Dover Township Compost Facility



State of New Jersey
DEPARTMENT OF ENVIRONMENTAL PROTECTION

DIVISION OF WASTE MANAGEMENT
32 E. Hanover St., CN 028, Trenton, N.J. 08625

DR. MARWAN M. SADAT, P.E.
DIRECTOR

RICHARD C. SALKIE, P.E.
ASSOCIATE DIRECTOR

APR 14 1986 4:28

TOMS RIVER, N.J.

L. Manuel Hirshblond
33 Washington Street
Toms River, New Jersey 08753

RE: Dover Township Compost Facility,
Church Road and Bay Avenue, Lots 10 and 7,
Block 231, Toms River, Dover Township,
Ocean County

Dear Mr. Hirshblond:

I am enclosing herewith a Certificate of Approved Registration and Engineering Design Approval regarding your subject solid waste facility.

Conditions have been incorporated within this approval that must be complied with in order for this Certificate to remain valid. The Department will consider amendment or modification of the specific terms of the conditions of this Certificate, if the Registrant submits a written request by certified mail within fifteen days of receipt of the Certificate. Said written request must clearly state the proposed amendment or modification, and the factual basis for the request. This registration is non-transferable.

Also note that if pollution control equipment is required to meet certain conditions within the attached document, you may be eligible for financial assistance. I have enclosed additional information concerning financial assistance for pollution control facilities.

Sincerely,

Albert Montague, P.E.
Chief Engineer

EP26/sc
Enclosure



State of New Jersey
DEPARTMENT OF ENVIRONMENTAL PROTECTION

DIVISION OF WASTE MANAGEMENT
 32 E. Hanover St., CN 028, Trenton, N.J. 08625

DR. MARWAN M. SADAT, P.E.
 DIRECTOR

RICHARD C. SALKIE, P.E.
 ASSOCIATE DIRECTOR

**CERTIFICATE OF APPROVED REGISTRATION
 AND ENGINEERING DESIGN APPROVAL**

Under the provisions of N.J.S.A. 13:1E- et seq. known as the Solid Waste Management Act this registration is hereby issued to:

Dover Township Compost Facility

FACILITY TYPE	<u>Compost</u>
LOT NO.(S)	<u>10 and 7</u>
BLOCK NO.(S)	<u>231</u>
MUNICIPALITY	<u>Dover Township</u>
COUNTY	<u>Ocean</u>
FACILITY REGISTRATION NUMBER	<u>1520B 1507E *</u>
EXPIRATION DATE	<u>April 4, 1991</u>

This approval is subject to compliance with all conditions specified herein and all regulations promulgated by the Department of Environmental Protection and shall be voided if: (1) construction of the facility identified herein does not begin within one year of the date of this approval (2) operation of the facility identified herein does not commence within two years of the date of this approval.

This approval shall not prejudice any claim the State may have to Riparian land, nor does it permit the registrant to fill or alter, or allow to be filled or altered, in any way, lands that are deemed to be Riparian, Wetlands, Stream Encroachment or Flood Plains, or within the Coastal Area Facility Review Act (CAFRA) Zone and the New Jersey Pinelands Act of 1979 or allow the discharge of pollutants to waters of this State without first acquiring the necessary grants, permits or approvals from the Department of Environmental Protection.

This Registration is non-transferable.

Date April 4, 1991

Edward J. Londres, P.E.
 Assistant Director
 Engineering

* Change pursuant to Mr. Kunko
 consultation of 6/17/86
 New Jersey Is An Equal Opportunity Employer



State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES

CN 029

TRENTON, NEW JERSEY 08625

JOHN W. GASTON JR., P.E.
DIRECTOR

DIRK C. HOFMAN, P.E.
DEPUTY DIRECTOR

Township of Dover
33 Washington Street
Toms River, New Jersey 08753

OCT 29 1985

Compos-Permit

Attention: Lawrence P. Cagliostro

Re: Stream File No. 1507-85

Dear Mr. Cagliostro:

This is with reference to the proposed Dover Township Public Works Compost Facility, encompassing an area of approximately one (1) acre at a location approximately 1000 feet northeasterly of the Bay Avenue and Church Road intersection, within Lot Nos. 7 and 10 of Block No. 231, Dover Township, Ocean County, New Jersey.

A review of the submitted location map indicates that no stream encroachment permit other than this letter will be required from this Bureau for the proposed construction at the location indicated, provided that adequate soil erosion and sediment control measures in accordance with "Standards for Soil Erosion and Sediment Control in New Jersey", dated November, 1982 are implemented.

This letter is valid for a period of two (2) years from the date of issuance, and does not exempt you from obtaining any Federal, Municipal, or other State consents that may be necessary.

Should you have any further questions regarding the above, please contact Chris Gernat at (609) 292-2402.

Very truly yours,

Narinder K. Ahuja

Narinder K. Ahuja, P.E.
Section Chief
Bureau of Flood Plain Management

NKA:CG:reb

cc: Walter Burshtin
Ocean County Engineer
Township of Dover Clerk

TOWNSHIP of DOVER
Toms River, New Jersey 08753

7/3/85
Jim Pagan
609-984-3158
Pending after Rem. V. Services
D. Council
Postbox

984-329

Reply to: Office of Township Engineer

Telephone (201) 341-1000

February 19, 1985

State of New Jersey
Department of Environmental Protection
Division of Waste Management
P. O. Box CN-27
Trenton, New Jersey 08625

Re: Municipal Composting Permit-Township of Dover
Ocean County, New Jersey

Gentlemen:

Enclosed please find the final application being made for a Municipal Compost Permit for the Township of Dover with this site to be located to the rear of the Public Works Administration Maintenance Building at the corner of Church Road and Bay Avenue. In accordance with the guidelines submitted to the Township, the following items are included in this application:

- (1) Three (3) copies of the standard application form CP-1 executed and signed by the appropriate municipal official;
- (2) Three (3) copies of the solid waste supplement to the standard application form CP-1 executed and signed by the appropriate municipal officials;
- (3) Three (3) copies of a topographical survey of the Dover Township sanitary landfill as was prepared by T & M Associates known as Sheet 2 of 12 indicating the location of the proposed compost site;
- (4) Three (3) copies of the Dover Township Land Use Plan indicating the location of the proposed compost site;
- (5) Three (3) copies of information relating to the proposed compost site indicating the evaluation of this site and operational process;
- (6) Three (3) copies of a memorandum from Ian Borden, Conservation Officer, Dover Township, indicating that a permit is not needed from the Dover Township Conservation Officer in reference to the proposed compost site;

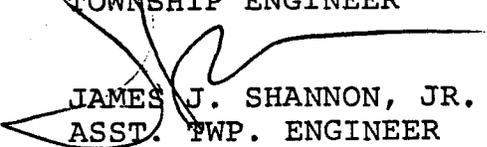
Re: Municipal Composting Permit-Township of Dover
Page 2
February 19, 1985

It is my understanding that this application is to be reviewed by your office in addition to the Division of Water Resources. If during this review you find you require any additional information or wish to discuss this application in more detail, please so advise.

Thanking you in advance.

Very truly yours,

FOR: LAWRENCE P. CAGLIOSTRO
TOWNSHIP ENGINEER

BY:  JAMES J. SHANNON, JR.
ASST. PWP. ENGINEER

JJS/cf

cc: Dover Twp. Recycling Advisory Committee
Dover Township Committee
L. Manuel Hirshblond, Clerk Administrator
George W. Clayton, Director, Public Works



State of New Jersey
DEPARTMENT OF ENVIRONMENTAL PROTECTION

STANDARD APPLICATION FORM (CP #1)
CONSTRUCTION AND DISCHARGE PERMITS

READ REQUIREMENTS
PLEASE TYPE OR PRINT

1. Applicant/Owner* Township of Dover Telephone (201) 341-1000
Permanent Legal Address 33 Washington Street
City or Town Toms River State N.J. Zip Code 08753
2. Location of Work Site Dover Township Public Works Yard, Church Rd. & Bay Ave.
Name of Facility, if applicable Dover Twp. Public Works
Street/Road Church Road & Bay Avenue, Toms River
Lot No. 10 & 7 Block No. 231
City or Town Toms River State N.J. Zip Code 08753
Municipality Dover Township County Ocean
3. If applicable, give name of: Engineer/Surveyor/Well-Driller/Geologist/Soil Scientist (Specify).
Name N/A N.J. License No. _____
Name of Firm, if employee _____
Address _____ County _____
Municipality _____ State _____ Zip Code _____
Telephone () _____
4. This is an application for 9.23 Solid Waste (Leaf Composting) Permit
(Name of permit, certification, approval or exemption. See Item 9. Next Page.)
5. Fee is attached (If applicable). \$ Not required
(Provide explanation of how fee was calculated. Read Requirements Section of Standard Application booklet.)
6. Estimated construction cost of project:
 - a. \$ 2,000.00 total cost of the project. (not including equipment)
 - b. \$ _____ portion for which this permit is requested.
7. I have included certifications of any public notifications. Yes _____ No X
8. If applicable:
(For Waterfront Development and Stream Encroachment applications, 8c. must be completed.)
 - a. Source of Water Supply _____
 - b. For Treatment at (Water Treatment Plant) _____
 - c. Stream, Waterway, Pond or Lake _____
 - d. Wastewater Treatment Facility _____

* Applicant/Owner must be the individual or municipality, public agency, utility, company, industry who will be the eventual owner and operator of said facility (sewer extension or treatment works) when completed.

9. Have any other applications for this site/project been submitted, or have any state permits been issued for this project? (If yes, indicate status and project number below.)

No Yes Decision

PERMIT TYPE	(Use additional sheets if necessary.)	APPLICATION STATUS	PROJECT #
		(PENDING - APPROVED)	
9.1	CAFRA.....	_____	_____
9.2	Waterfront Development (Riparian).....	_____	_____
9.3	Wetlands.....	_____	_____
9.4	Purchase Water.....	_____	_____
	Diversion:		
9.5	Divert Water Supply for Public Use.....	_____	_____
9.6	Divert Surface Waters for Private Use.....	_____	_____
9.7	Divert Subsurface/Percolating Water for Private Use.....	_____	_____
9.8	Well Drilling.....	_____	_____
9.9	Permanent Water Lowering.....	_____	_____
9.10	Temporary Water Lowering.....	_____	_____
9.11	Construct/Modify, Operate Public Potable Water Works.....	_____	_____
9.12	Connection between an approved water supply and non-approved supply...	_____	_____
9.13	Water Quality Certification.....	_____	_____
9.14	Construct/Repair Dam.....	_____	_____
9.15	Stream Encroachment.....	_____	_____
9.16	Sewer Systems: Collectors, Pump Station, etc.....	_____	_____
9.17	Exemption from Sewer Ban.....	_____	_____
9.18	New Jersey Pollutant Discharge Elimination System (Specify).....	_____	_____
9.19	Solid Waste Permits (Specify).....	_____	_____
9.20	Air Quality Permits (Specify).....	_____	_____
9.21	Delaware and Raritan Canal Review Zone "Certificate of Approval".....	_____	_____
9.22	Pinelands Certificate.....	_____	_____
9.23	Other State agencies' permits.....	_____	_____
9.24	Local Permits.....	_____	_____
9.25	Federal Permits.....	_____	_____

10. Brief Description of the Proposed Project and Intended Use:

Municipal Compost Operation Collecting Leaves,
Grass Clippings & Branches

11. I hereby certify that the information furnished on this application (and the attachments) is true. I am aware that false swearing is a crime in this State and subject to prosecution.

L. Manuel Hirshblond
 Type: Name and Date


 Signature of Applicant

Clerk Administrator
 Type: Position

2/20/85
 Date



SOLID WASTE SUPPLEMENT TO STANDARD APPLICATION FORM CP # 1

STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION SOLID WASTE ADMINISTRATION (SWA) DIVISION OF ENVIRONMENTAL QUALITY P.O. BOX CN-027, TRENTON, N.J. 08625

I. Application for: (Circle A. or B.)

- (A) New Facility
B. Existing Facility - Indicate (Expansion/Closure/Disruption _____).

II. Facility Type: (Circle appropriate letters.) (Separate application for each)

- A. Sanitary Landfill B. Incinerator (C) Compost D. Chemical Processing & Treatment Facility E. Resource Recovery F. Transfer Station G. Shredder H. Baler I. Sludge Farm J. Disruption X. Other

III. Waste Type: (Circle all types of waste requested for acceptance at this facility by numbers.)

SOLIDS

LIQUIDS

- 10. Municipal Waste (household, commercial and institutional) 12. Dry Sewage Sludge 13. Bulky Waste 17. Hazardous Waste - Dry 18. Chemical Waste-Dry (non-hazardous) (23) Vegetative Waste 25. Animal and Food Processing Wastes 26. Oil Spill Clean-up Wastes 27. Industrial (non-chemical) 70. Waste Oil and Sludge 72. Bulk Liquid and Semi-Liquids 73. Septic Tank Clean-Out Wastes 74. Liquid Sewage Sludge 76. Hazardous Waste Liquids 77. Liquid Chemical Waste

IV. Facility Life and Capacity:

YEARS TONS CUBIC YARDS

- a. Proposed Facility Estimate Ten (10) 3,000/10-yr. 12,000 (10-yr.)
b. Facility Expansion Estimate _____

V. Identification Numbers:

- A. Solid Waste Administration # N/A
B. Federal Employer ID # N/A
C. Social Security # N/A
D. Public Utility Commission # N/A
Is (Will) this facility (be) under PUC regulation? Yes/No No

USE ADDITIONAL PAPER, IF REQUIRED, IN ORDER TO GIVE FULL AND COMPLETE DISCLOSURES TO THE FOLLOWING ITEMS.

VI. Type of Organization: (Circle appropriate letter.)

- A. Proprietorship (D) Municipal Government G. Authority
B. Partnership E. County Government H. Federal Government
C. Corporation F. State Government X. Other

VII. PARTNERSHIP DATA:

1. State the name and address of each partner, including silent or limited, and their interest:

Table with 3 columns: NAME, ADDRESS, PROPORTION OF INTEREST. Includes five rows of blank lines for data entry.

ENDORSEMENTS

SOME PERMIT APPLICATIONS REQUIRE SPECIFIC ENDORSEMENTS OF OWNERS, AGENTS, MUNICIPALITIES, ETC. ENDORSEMENTS MAY BE REQUIRED FOR YOUR PERMIT.

VERIFY THE NEED FOR ENDORSEMENTS IN THE "REQUIREMENTS" SECTION OF THE STANDARD APPLICATION FORM CP #1 BOOKLET OR WITH THE APPROPRIATE DEP AGENCY.

A. PROPERTY OWNER'S CERTIFICATION*†

I hereby certify that Township of Dover
Property Owner's Name

is the owner of the property upon which the proposed work is to be done. This endorsement is certification that the owner grants permission for the conduct of the proposed activity.

In addition, the aforementioned property owner shall certify:

- 1. Whether any work is to be done within an easement — Yes _____ (initial) No LMJ (initial)
- 2. Whether any part of the entire project (i.e., pipeline, roadway, cable, transmission line, etc.) will be located within property belonging to the State of New Jersey. Yes _____ (initial) No LMJ (initial)

Type or Print Name and Address of Owner, if different from Item 1 on Page 1

x 2/20/85
Date

x [Signature]
Signature of Owner

* Not required for Sewer System Application.
† Required for the Land Application of Sludge, Septage or Compost.

B. APPLICANT'S AGENT

I, the applicant (name) L. Manuel Hirshblond authorize to act as my agent/representative in all matters pertaining to my application the following person:

Name Lawrence P. Cagliostro Phone (201) 341-1000
 Address 33 Washington Street County Ocean
 City or Town Toms River, New Jersey State N.J. Zip Code 08753
 Occupation/Profession Township Engineer

x [Signature]
Signature of Applicant

L. Manuel Hirshblond, Clerk/Admr.

AGENT'S CERTIFICATION

Sworn before me this 20th day of Feb. 19 85

[Signature]
ROBYN A. JONES
NOTARY PUBLIC OF NEW JERSEY
My Commission Expires Mar. 1, 1987
Notary Public

I agree to serve as agent for the above-named applicant

x [Signature]
Signature of Agent

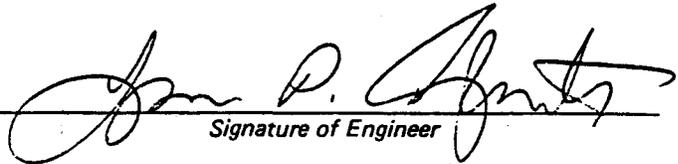
C. PROPER CONSTRUCTION AND OPERATION CLAUSE (Sewer Extensions, Treatment Works Approval, Water Works)

I, the applicant, agree that the works will be properly constructed and operated in accordance with the engineering plans and specifications, as approved, and the conditions under which approval is granted by the State Department of Environmental Protection.

Signature of Applicant

D. STATEMENT OF PREPARER OF PLANS, SPECIFICATIONS AND ENGINEER'S REPORT

I hereby certify that the engineering plans, specifications and engineer's report applicable to this project comply with the current rules and regulations of the State Department of Environmental Protection with the exceptions as noted.



Signature of Engineer

Lawrence P. Cagliostro
Type: Name and Date

Township Engineer
Position, Name of Firm

PROFESSIONAL ENGINEER'S
EMBOSSSED SEAL

E. OWNER'S COMPLIANCE WARRANT (NJPDES ONLY)

I, the owner, hereby agree that any treatment works constructed to meet the NPDES/NJPDES permit discharge limits will be properly constructed and operated to meet those limits. I also warrant that the discharge (s) will meet the effluent limitations as described in the NPDES/NJPDES permit, as issued.

Signature of Owner

Title

Date

EVALUATION OF SITE

The site to be used is part of the existing Dover Township Public Works complex which includes the Administration/Maintenance Building and the landfill site which was closed in 1981. This site is located along two (2) County roads, Church Road and Bay Avenue. This site has been utilized by Dover Township since 1958. The entire site contains approximately 33 acres. The site for composting is to be located due east of the existing Administration Building as shown on the enclosed engineering plan.

Existing soil characteristics under the proposed composting operation site is municipal landfill. The original and adjacent soil characteristics of the area are Lakehurst sands as shown on a natural resource inventory study conducted by Collins Dutot, Consultants, for the Dover Township Environmental Commission in 1974.

The prevailing wind direction at the site are as follows:

<u>MONTH OF YEAR</u>	<u>DIRECTION *</u>
April-June	SSW-SW
July-October	SSE-SW
November-March	SW-NW

*Information supplied by Ocean County meteorologists

The distances to nearest-developed sites as shown on the engineering plan is 1650', which is to the nearest residential site downwind of the proposed operation. The site is screened by a natural heavy, wooded area to the north and east.

OPERATIONAL PROCESS

The volume of leaves proposed to be composted per year has been estimated to be 1200 cubic yards per year.

The following is a description of the composting process to be implemented.

- (1) Site Preparation-the basic design of the composting site will be in accordance with the plan and the appropriate regulations. Appropriate vehicle access is available to the composting site from the existing facilities and a sufficient buffer does exist between the compost piles and the nearby properties. A water supply for wetting the leaves or fire fighting is available in addition to portable water tanks which may also be utilized. Site drainage will be directed parallel to the windrows. A firm base will be provided around the windrows to prevent tire rutting.
- (2) During the fall months, leaves will be brought to the registered composting site and unless they arrive wet, leaves shall be hosed down as they are dumped. A front-end loader will be utilized to form the windrows to a maximum height of 6' by a width of 4' on top. Settling will more than likely reduce the height to approximately 4'. Four foot aisle widths between windrows will be the minimum utilized.
This composting site will utilize the actual decomposition process of the bacteria already present in the leaves. There will be no additives provided other than the water to start or maintain the natural processes.
- (3) During the subsequent months, the windrows will be turned inside out in order to accelerate the decomposition through increased aeration and the size of the windrows and the aisle widths will be maintained as originally provided. Shredding will be investigated for future years; however, no determination has been made at this time in order to provide this service, and agricultural wastes will not be accepted or employed as additives.

It has been determined through various studies that the process as proposed will take approximately one-two years for a complete composting. However, leaves collected in the second year of the two-year program will be piled separately and not mixed with the previous year's leaves. The method for odor control will be implementing the turning, shredding or reconstruction of the windrows during cold weather months.

The types of equipment utilized will be a front-end loader and as we proceed into a shredding operation, a shredder and/or chipper will be utilized.

The following additional information is hereby provided:

- (1) All delivery containers, including plastic bags, shall be emptied at the time they are deposited. The delivered leaves shall be piled into windrows as described above and any unacceptable material will be separated and disposed of in the proper manner;
- (2) Any branches and/or large tree products will be stockpiled and chipped at a later date and deposited in another location and not included in the leaves for composting. It will be requested that grass clippings not be included for addition to our compost site due to it's high nitrogen content, which could generate a very strong and unpleasant odor, which we do not want to have at this site;

The finished composted material will then be used for a topsoil dressing on those portions of the present Dover Township landfill that had been utilized to it's full useful life, in addition to it's use at the various public lands throughout the Township of Dover. A decision is pending to make this material available to the public for their use.

TOWNSHIP OF DOVER

MEMORANDUM

To: JAMES J. SHANNON, JR., ASST. TWP. ENGINEER
From: IAN BORDEN, CONSERVATION OFFICER *IB*
Date: FEBRUARY 15, 1985
Subject: DOVER TOWNSHIP LANDFILL, PERMIT #711
Copy To: ENVIRONMENTAL COMMISSION

As you requested, I have reviewed your proposed plan to maintain a leaf composting operation at the Dover Township Landfill site. The operation as proposed will not disturb more than 5000' of soil and thus will not require a soil disturbance permit as issued by this office in conformance with the New Jersey Soil Erosion and Sediment Control Act. (Chapter 251).

In addition, the proposed operation will not hinder or conflict with the continuing stabilization of the landfill as outlined in Soil Disturbance Permit #711.

If you have any questions, please advise.

IB/cf

Appendix H-4

Jackson Township Compost Facility
Facility Registration Number 1511C
(To Be Included)

Appendix H-5

Lacey Township Compost Facility
Facility Registration Number 1512D



State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION

STANDARD APPLICATION FORM (CP # 1)
CONSTRUCTION AND DISCHARGE PERMITS

FOR OFFICIAL USE

READ REQUIREMENTS
PLEASE TYPE OR PRINT

1. Applicant/Owner* Township of Lacey Telephone (609) 693-7489
 Permanent Legal Address 818 West Lacey Road
 City or Town Forked River State New Jersey Zip Code 08731

2. Location of Work Site Lacey Township Public Works
 Name of Facility, if applicable N/A
 Street/Road Municipal Lane
 Lot No. 5 Block No. 1837
 City or Town Forked River State New Jersey Zip Code 08731
 Municipality Lacey Township County Ocean

3. If applicable, give name of: Engineer/Surveyor/Well Driller/Geologist/Soil Scientist (Specify).
 Name Edward Vernick, P.E. N.J. License No. NJPE 25691
 Name of Firm, if employee Remington & Vernick, Engineers
 Address 615 West Lacey Road County Ocean
Forked River, New Jersey
 Municipality Lacey Township State New Jersey Zip Code 08731
 Telephone (609) 693-6154

4. This is an application for 9.23 Solid Waste Permit
 (Name of permit, certification, approval or exemption. See Item 9. Next Page.)

5. Fee is attached (If applicable). \$ 100.00
 (Provide explanation of how fee was calculated. Read Requirements Section of Standard Application booklet.)

6. Estimated construction cost of project:
 a. \$ 100 total cost of the project.
 b. \$ 100 portion for which this permit is requested.

7. I have included certifications of any public notifications. Yes _____ No XXX

8. If applicable:
 (For Waterfront Development and Stream Encroachment applications, 8c. must be completed.)
 a. Source of Water Supply _____
 b. For Treatment at (Water Treatment Plant) _____
 c. Stream, Waterway, Pond or Lake _____
 d. Wastewater Treatment Facility _____

* Applicant/Owner must be the individual or municipality, public agency, utility, company, industry who will be the eventual owner and operator of said facility (sewer extension or treatment works) when completed.

9. Have any other applications for this site/project been submitted, or have any state permits been issued for this project? (If yes, indicate status and project number below.)

No XXX Yes Decision

PERMIT TYPE	(Use additional sheets if necessary.)	APPLICATION STATUS	PROJECT #
		(PENDING - APPROVED)	
9.1 CAFRA.....			
9.2 Waterfront Development (Riparian).....			
9.3 Wetlands.....			
9.4 Purchase Water.....			
Diversion:			
9.5 Divert Water Supply for Public Use.....			
9.6 Divert Surface Waters for Private Use.....			
9.7 Divert Subsurface/Percolating Water for Private Use.....			
9.8 Well Drilling.....			
9.9 Permanent Water Lowering.....			
9.10 Temporary Water Lowering.....			
9.11 Construct/Modify, Operate Public Potable Water Works.....			
9.12 Connection between an approved water supply and non-approved supply ...			
9.13 Water Quality Certification.....			
9.14 Construct/Repair Dam.....			
9.15 Stream Encroachment.....			
9.16 Sewer Systems: Collectors, Pump Station, etc.....			
9.17 Exemption from Sewer Ban.....			
9.18 New Jersey Pollutant Discharge Elimination System (Specify).....			
9.19 Solid Waste Permits (Specify).....			
9.20 Air Quality Permits (Specify).....			
9.21 Delaware and Raritan Canal Review Zone "Certificate of Approval".....			
9.22 Pinelands Certificate.....			
9.23 Other State agencies' permits.....			
9.24 Local Permits.....			
9.25 Federal Permits.....			

10. Brief Description of the Proposed Project and Intended Use:

Municipal compost operation collecting leaves, grass,
clippings & branches

11. I hereby certify that the information furnished on this application (and the attachments) is true. I am aware that false swearing is a crime in this State and subject to prosecution.

Henry A. Delo, Jr. 09/17/84
 Type: Name and Date

Henry A. Delo, Jr.
 Signature of Applicant

Mayor, Township of Lacey
 Type: Position

 Date

ENDORSEMENTS

SOME PERMIT APPLICATIONS REQUIRE SPECIFIC ENDORSEMENTS OF OWNERS, AGENTS, MUNICIPALITIES, ETC. ENDORSEMENTS MAY BE REQUIRED FOR YOUR PERMIT.

VERIFY THE NEED FOR ENDORSEMENTS IN THE "REQUIREMENTS" SECTION OF THE STANDARD APPLICATION FORM CP #1 BOOKLET OR WITH THE APPROPRIATE DEP AGENCY.

A. PROPERTY OWNER'S CERTIFICATION*†

I hereby certify that Lacey Township, Ocean County
Property Owner's Name

is the owner of the property upon which the proposed work is to be done. This endorsement is certification that the owner grants permission for the conduct of the proposed activity.

In addition, the aforementioned property owner shall certify:

- 1. Whether any work is to be done within an easement — Yes _____ No _____
(initial) (initial)
- 2. Whether any part of the entire project (i.e., pipeline, roadway, cable, transmission line, etc.) will be located within property belonging to the State of New Jersey.
Yes _____ No _____
(initial) (initial)

Type or Print Name and Address of Owner, if different from Item 1 on Page 1

09/17/84
Date

Henry A. Delo, Jr.
Signature of Owner

Mayor Henry A. Delo, Jr.

- * Not required for Sewer System Application.
- † Required for the Land Application of Sludge, Septage or Compost.

B. APPLICANT'S AGENT

I, the applicant (name) Township of Lacey authorize to act as my agent/representative in all matters pertaining to my application the following person:

Name Edward Vernick, P.E. Phone 609-693-6154
Remington & Vernick, Engineers
Address 615 West Lacey Road County Ocean
City or Town Forked River, State NJ Zip Code 08731
Occupation/Profession Township Engineer

Henry A. Delo, Jr.
Signature of Applicant
Mayor Henry A. Delo, Jr.

AGENT'S CERTIFICATION

Sworn before me
this 21st day of
September 19 84

Debra L. Mac Sherray
Notary Public

I agree to serve as agent for the above named applicant

Edward Vernick
Signature of Agent

C. PROPER CONSTRUCTION AND OPERATION CLAUSE (Sewer Extensions, Treatment Works Approval, Water Work

I, the applicant, agree that the works will be properly constructed and operated in accordance with the engineering plans and specifications, as approved, and the conditions under which approval is granted by the State Department of Environmental Protection.

X Henry G. Deby
Signature of Applicant

D. STATEMENT OF PREPARER OF PLANS, SPECIFICATIONS AND ENGINEER'S REPORT

I hereby certify that the engineering plans, specifications and engineer's report applicable to this project comply with the current rules and regulations of the State Department of Environmental Protection with the exceptions as noted.

X Edward Vernick
Signature of Engineer

Edward Vernick, P.E.

Type: Name and Date

PROFESSIONAL ENGINEER'S
EMBOSSSED SEAL

Vice President, Remington & Vernick, Engi
Position, Name of Firm

E. OWNER'S COMPLIANCE WARRANT (NJPDES ONLY)

I, the owner, hereby agree that any treatment works constructed to meet the NPDES/NJPDES permit discharge limits will be properly constructed and operated to meet those limits. I also warrant that the discharge (s) will meet the effluent limitations as described in the NPDES/NJPDES permit, as issued.

Signature of Owner

Title

Date



SOLID WASTE SUPPLEMENT TO STANDARD APPLICATION FORM CP # 1

STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION SOLID WASTE ADMINISTRATION (SWA) DIVISION OF ENVIRONMENTAL QUALITY P.O. BOX CN-027, TRENTON, N.J. 08625

I. Application for: (Circle A. or B.)

- A. New Facility
B. Existing Facility - Indicate (Expansion/Closure/Disruption)

II. Facility Type: (Circle appropriate letters.) (Separate application for each)

- A. Sanitary Landfill B. Incinerator C. Compost D. Chemical Processing & Treatment Facility E. Resource Recovery F. Transfer Station G. Shredder H. Baler I. Sludge Farm J. Disruption -X. Other

III. Waste Type: (Circle all types of waste requested for acceptance at this facility by numbers.)

SOLIDS

LIQUIDS

- 10. Municipal Waste (household, commercial and institutional) 12. Dry Sewage Sludge 13. Bulky Waste 17. Hazardous Waste - Dry 18. Chemical Waste-Dry (non-hazardous) 23. Vegetative Waste 25. Animal and Food Processing Wastes 26. Oil Spill Clean-up Wastes 27. Industrial (non-chemical) 70. Waste Oil and Sludge 72. Bulk Liquid and Semi-Liquids 73. Septic Tank Clean-Out Wastes 74. Liquid Sewage Sludge 76. Hazardous Waste Liquids 77. Liquid Chemical Waste

IV. Facility Life and Capacity:

YEARS TONS CUBIC YARDS

Table with 4 columns: Facility Type, Estimate, YEARS, TONS, CUBIC YARDS. Row 1: a. Proposed Facility, Estimate, 10, [blank], 10,000. Row 2: b. Facility Expansion, Estimate, [blank], [blank], [blank].

V. Identification Numbers:

- A. Solid Waste Administration # N/A B. Federal Employer ID # N/A C. Social Security # N/A D. Public Utility Commission # N/A Is (Will) this facility (be) under PUC regulation? Yes/No No

USE ADDITIONAL PAPER, IF REQUIRED, IN ORDER TO GIVE FULL AND COMPLETE DISCLOSURES TO THE FOLLOWING ITEMS.

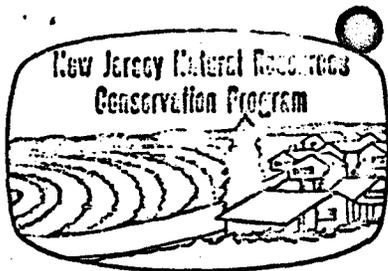
VI. Type of Organization: (Circle appropriate letter.)

- A. Proprietorship B. Partnership C. Corporation D. Municipal Government E. County Government F. State Government G. Authority H. Federal Government X. Other

VII. PARTNERSHIP DATA:

1. State the name and address of each partner, including silent or limited, and their interest:

Table with 3 columns: NAME, ADDRESS, PROPORTION OF INTEREST. Multiple rows of blank lines for data entry.



OCEAN COUNTY SOIL CONSERVATION DISTRICT

6 Mott Place, C.N. 2191,
Toms River, N.J. 08753
Telephone: (201) 244-7048

SUPERVISORS:
FRANK BARTOLF, CHAIRMAN
GEORGE EMLEY, VICE CHAIRMAN
SIGMOND ZSOLDOS, TREASURER
ALBERT E. NEWBY
A. JEROME WALNUT

Township of Lacey
119 West Lacey Road
Toms River, NJ 08731

September 10, 1974

Re: ACC #1438, Lacey Township Leaf Compost Site, Block 1037,
Lot 5, 119 West Lacey Road, Lacey Township

Pursuant to Chapter 251, Soil Erosion and Sediment Control Act, P.L. 1975, the Ocean County Soil Conservation District hereby grants certification of the soil erosion and sediment control plan for the above captioned project, subject to the following:

1. That the applicant carries out all land disturbance activities in accordance with the Standards for Soil Erosion and Sediment Control in New Jersey promulgated by the State Soil Conservation Committee.
2. The applicant must notify the District office, by mail, at least 72 hours prior to initial land disturbance.
3. A letter must be written notifying the District office of project completion within 48 hours immediately following completion.
4. Changes in the certified plan relating to or that will affect land disturbance on the site must be submitted to the District office for reevaluation and approval.
5. A copy of the certified plan and a copy of these provisions must be kept on the job site at all times.

Failure to comply with any of the above conditions may result in the issuance of a stop construction order.

RECEIVED

Sincerely,

SEP 14 1974

REMINGTON & VERNICK

Distribution: White - Applicant
Green - Construction Official
Canary - Planning Board
Pink - Township Engineer
Goldenrod - District



REMINGTON
& VERNICK
ENGINEERS

Corporate headquarters

95 Grove Street • Haddonfield, New Jersey 08033 • (609) 795-9595

Ocean County office

615 Lacey Road • Forked River, New Jersey 08731 • (609) 693-6154

EXPLANATION OF ENGINEERING PLAN

The proposed site is slightly sloped, based on the existing contours as shown on the drawing no. A-3227. There is an approximate 1 percent slope.

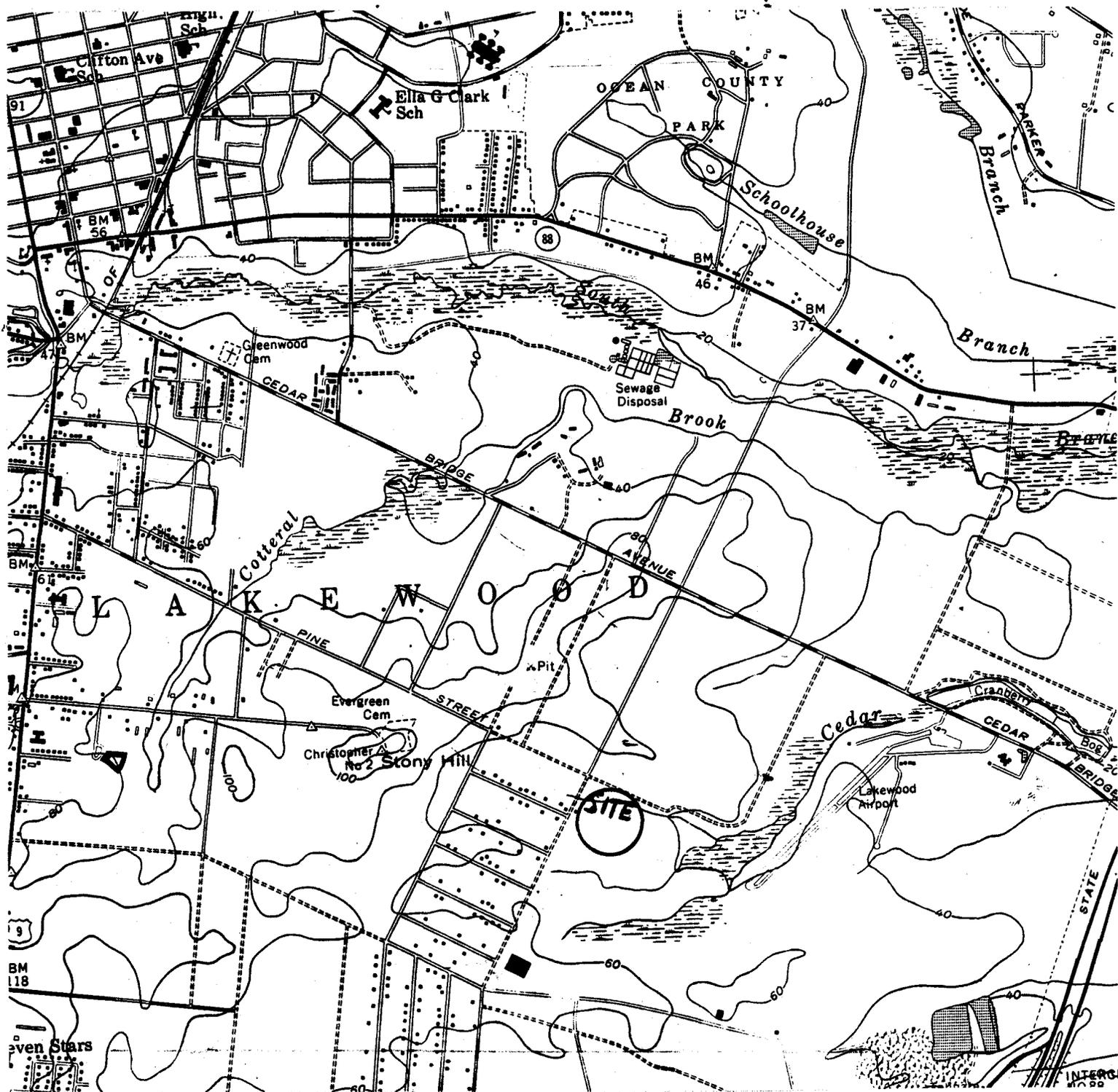
The surface soil characteristics are semi-permeable. The soil type is Downer Loamy Sand.

The operational process that will be used on the site will be an aeration method, and the soil will be turned once a month with a front-end loader to insure good circulation of the air to accomplish the complete composting.

The proposed site will have a capacity of 10,000 cubic yards.

Appendix H-6

Lakewood Township Compost Facility
Facility Registration Number 1514B



Lakewood Township Compost Facility

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
SOLID WASTE ADMINISTRATION
P.O. BOX 2807 TRENTON, N.J. 08625
ANNUAL OPERATIONAL STATEMENT FOR A SOLID WASTE FACILITY

FISCAL YEAR 89

READ ENCLOSED INSTRUCTIONS CAREFULLY

SECTION A
INFORMATION ON FILE FROM LAST YEAR - CORRECT IN SECTION B

S.S.
15148

(201) 363-0557

CARLSON GILBERT J
LAKEWOOD DEPARTMENT OF PUBLIC
9TH STREET & PRINCETON AVE
LAKEWOOD NJ 08701

MUNICIPALITY

CARLSON GILBERT J
(201) 363-0557

1. Applicants Fed. Employer I.D. or Soc. Sec. No.
2. Facility Registration Number
3. Public Utilities Commission License No.
4. Applicants Telephone No.
5. Applicants Name
6. Company or Trade Name
7. Street Address
8. City, State, Zip Code
9. Type of Organization
10. Corporate Data
 - a. Registered in
 - b. Date of filing
 - c. Agents Name
 - d. Agents Street Address
 - e. Agents City, State, Zip Code
 - f. Agents Telephone
11. a. Name Person with prime Admin. Authority
- b. Telephone Number of 11a.

SECTION B
THIS SECTION FOR NEW APPLICANTS OR CORRECTIONS TO SECTION A

1. Applicants Federal Employer I.D. or Social Security No.: FEID, or SS No. _____
2. Facility Registration Number (Office Use Only) _____
3. Public Utilities Commission License Number _____
4. Applicants Area Code and Telephone Number _____ First _____ Init. _____
5. Applicants Name: Last _____
6. Company or Trade Name _____
7. Street Address or Box Number _____ State _____ Zip Code _____
8. City _____
9. Type of Organization-Check One: A. Proprietor, B. Partnership, C. Incorporated, D. Municipality, E. County, F. State Government, G. Authority, H. Federal Government, X. Other
10. Corporate or Partnership Data (if any): _____, County of _____
 - a. Registered in State of _____
 - b. Date of filing _____
 - c. Agents Name: Last _____ First _____ Init. _____
 - d. Agents Street Address or Box Number _____ State _____ Zip Code _____
 - e. Agents City _____
 - f. Agents Area Code and Telephone Number _____
11. Person Having Prime Administrative Authority: _____
 - a. Name: Last _____ First _____ Init. _____
 - b. Area Code and Telephone Number _____

1. Type of Facility: COMPOST
2. Name of Facility: LAKEWOOD TWP COMPOST
3. Location (Street) NEW HAMPSHIRE AVE (County) ICE AN
(Municipality) LAKEWOOD TWP. (Tons) _____
4. Estimated Remaining Life (Years) _____
5. Is Property Leased? Yes, No. If Yes, Answer (a) and (b)
 - (a) Owner's Name (Last) _____ (First) _____ M.I. _____
 - (b) Owner's Address (Street) _____ (State) _____ (Zip) _____
(Municipality) _____

WASTE DISPOSED OF DURING THE PRECEDING YEAR (January 1 thru December 31)

SOLIDS IN CUBIC YARDS

- 10. Municipal (Household, Commercial & Institutional)
- 12. Dry Sewage Sludge
- 13. Bulky Waste
- 17. Hazardous Waste - Dry
- 18. Chemical Waste - Dry (Non - Hazardous)
- 23. Vegetative Waste: **LEAVES**
- 25. Animal and Food Processing Wastes
- 26. Oil Spill Clean-up Wastes
- 27. Industrial (Non-Chemical)

CUBIC YARDS (as delivered)		
COMPACTED	NON-COMPACTED	SUB-TOTAL
10.		
12.		
13.		
17.		
18.		
23.	10,780.00	
25.		
26.		
27.		
TOTAL SOLIDS		

SEPTAGE IN GALLONS

- 73. Septic Tank Clean-Out Wastes
- 74. Liquid Sewage Sludge

GALLONS	
73.	
74.	
TOTAL	

LIQUIDS IN GALLONS

- 70. Waste Oil and Sludge
- 72. Bulk Liquid and Semi-Liquids
- 76. Hazardous Waste Liquids
- 77. Chemical Waste Liquids

GALLONS	
70.	
72.	
76.	
TOTAL	

DID YOU RECLAIM ANY WASTE? NO ___ YES ___ (If YES, enter on next page)

Having Prime Administrative Authority, I certify that the information contained herein is true to the best of my knowledge.

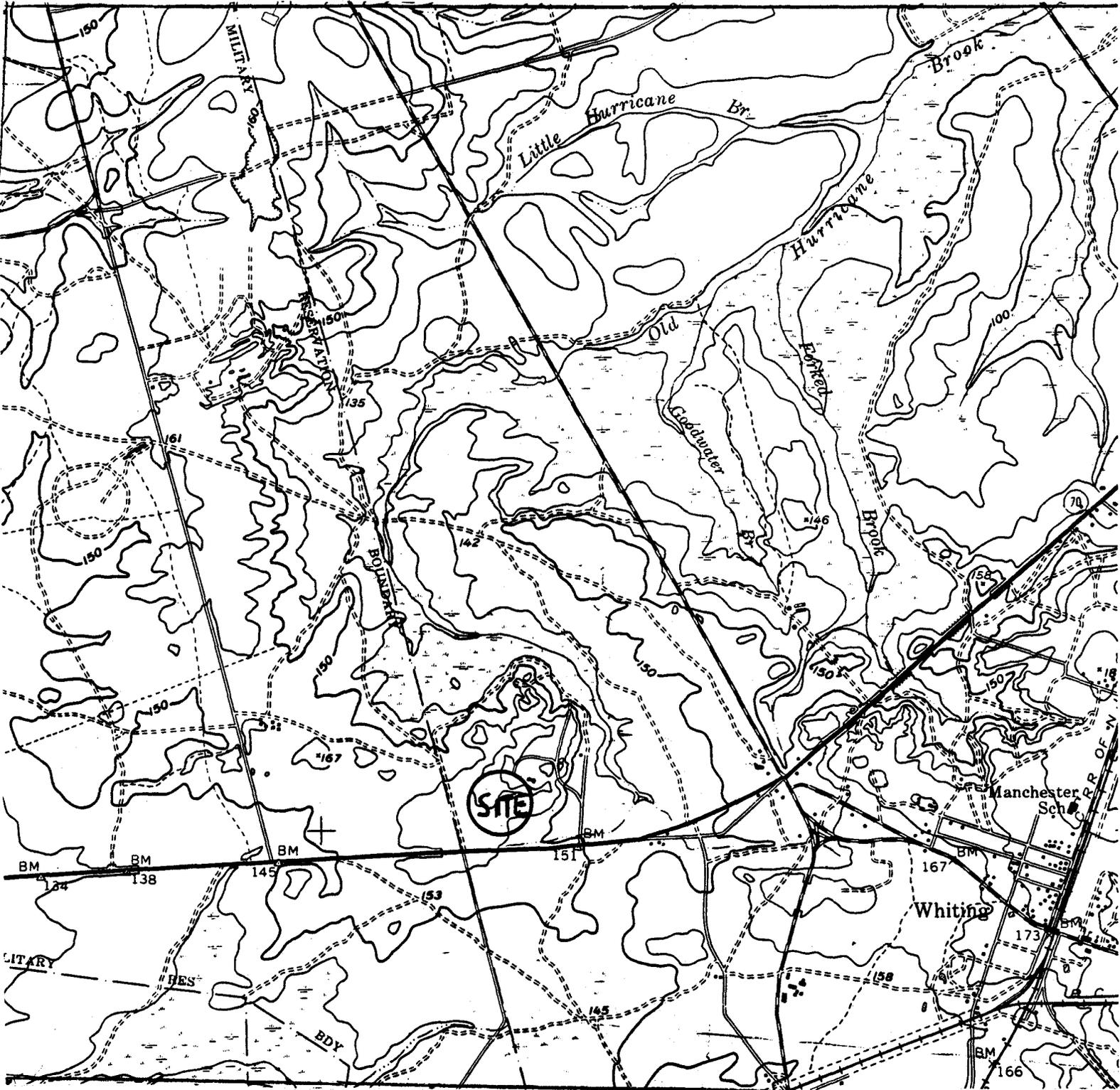
Signature *Robert J. Carlson* Date 8/30/87
 Name typed _____ Title *Supt. Public Works*

FOR OFFICIAL USE ONLY.

- A. Sanitary Landfill
- B. Incinerator
- C. Compost
- D. Chemical Processing & Treatment
- E. Resource Recovery
- F. Transfer Station
- G. Shredder
- H. Baler
- I. Sludge Farm
- J. Disruption
- X. Other

Appendix H-7

Whiting Compost Facility, Manchester Township
Facility Registration Number 1518C



Manchester Township Compost Facility



State of New Jersey
DEPARTMENT OF ENVIRONMENTAL PROTECTION

DIVISION OF WASTE MANAGEMENT
32 E. Hanover St., CN 028, Trenton, N.J. 08625

DR. MARWAN M. SADAT, P.E.
DIRECTOR

LINO F. PEREIRA, P.E.
DEPUTY DIRECTOR

July 20, 1984

James J. Jados
Environmental Officer
1 Colonial Drive
Lakehurst, NJ 08733

RE: Whiting Compost Facility located on Block 116, Lot 13, Intersection of Route 539 and Route 70, Whiting, Manchester Township, Ocean County, Application Number 84-10

Dear Mr. Jados:

I am enclosing herewith a Certificate of Approved Registration and Engineering Design Approval regarding your subject facility.

Conditions have been incorporated within this approval that must be complied with in order for this Certificate to remain valid. The Department will consider amendment or modification of the specific terms of the conditions of this Certificate, if the Registrant submits a written request by certified mail within fifteen days of receipt of the Certificate. Said written request must clearly state the proposed amendment or modification, and the factual basis for the request. This registration is non-transferable.

Also note that if pollution control equipment is required to meet certain conditions within the attached document, you may be eligible for financial assistance. I have enclosed additional information concerning financial assistance for pollution control facilities.

Sincerely,

Walter Burshtin, P.E., P.P.
Chief, Bureau of Solid Waste
Facility Review

EP26:gk

Enclosure



State of New Jersey
DEPARTMENT OF ENVIRONMENTAL PROTECTION

DIVISION OF WASTE MANAGEMENT
 32 E. Hanover St., CN 028, Trenton, N.J. 08625

DR. MARWAN M. SADAT, P.E.
 DIRECTOR

CERTIFICATE OF APPROVED REGISTRATION
 AND ENGINEERING DESIGN APPROVAL

LINO F. PEREIRA, P.E.
 DEPUTY DIRECTOR

Under the provisions of N.J.S.A. 13:1E-et seq known as the Solid Waste Management Act, this registration is hereby issued to:

WHITING

FACILITY TYPE	<u>Compost Facility</u>
LOT NO. (S)	<u>13</u>
BLOCK NO. (S)	<u>116</u>
MUNICIPALITY	<u>Manchester Township</u>
COUNTY	<u>Ocean</u>
FACILITY REGISTRATION NUMBER	<u>1518C</u>
EXPIRATION DATE	<u>July 20, 1994</u>

This approval is subject to compliance with all conditions specified herein and all regulations promulgated by the Department of Environmental Protection and shall be voided if: (1) construction of the facility identified herein does not begin within one year of the date of this approval (2) operation of the facility identified herein does not commence within two years of the date of this approval.

This approval shall not prejudice any claim the State may have to Riparian land, nor does it permit the registrant to fill or alter, or allow to be filled or altered, in any way, lands that are deemed to be Riparian, Wetlands, Stream encroachment or flood plains, or within the Coastal Area Facility Review Act (CAFRA) zone and the New Jersey Pinelands Protection Act of 1979 or allow the discharge of pollutants to waters of this State without first acquiring the necessary grants, permits or approvals from the Department of Environmental Protection.

This registration is non-transferable.

Date July 20, 1984

Walter Burshtin
 Walter Burshtin, P.E., P.P.
 Chief, Solid Waste Facility Review

Certificate of Approved Registration and Engineering Design Approval for Whiting Compost Facility, Manchester Township, Ocean County, New Jersey, Application Number 84-10

This Certificate of Approved Registration and Engineering Design Approval is conditioned upon the compliance with and implementation of the following:

1. Only the following waste materials may be accepted for composting at this facility:

<u>I.D.</u>	<u>Description</u>
23	Vegetative Waste

2. The following waste materials are specifically prohibited for disposal at this facility:

<u>I.D.</u>	<u>Description</u>
10	Municipal (Household, Commercial and Institutional)
12	Dry Sewage Sludge
13	Bulky Waste
25	Animal and Food Processing Waste
27	Dry Industrial Waste
72	Bulk Liquid and Semi-Liquids
73	Septic Tank Clean-Out Waste
74	Liquid Sewage Sludge

3. The operation of this facility must follow acceptable methods of composting which result in the biochemical degradation of the organic material received.
4. Windrows shall be properly constructed to provide the suitable conditions for composting.
5. Turning, shredding and reconstruction of the windrows shall be performed at least once (1) every ten (10) months to supply the adequate amount of oxygen within the piles for converting leaves to humus and to reduce the volume of the windrows.
6. Proper drainage shall be maintained to avoid excessive moisture and anerobic conditions during wet weather.
7. Upon completion of the composting cycle the leaf mold must receive a final aeration and cleaning to insure the best end result for use as a soil mixture.
8. This approval is for a maximum period of ten (10) years from the date of its issuance. This approval can be renewed at that time upon proper application provided that the operation will meet all Division of Waste Management requirements that may exist when renewal application is made.
9. The operation of this facility must be in accordance with the provisions of N.J.A.C. 7:26-1 et seq. and the conditions of this Certificate.

10. This approval permits operation of the facility only insofar as the facility operates in compliance with the Approved Ocean County District Solid Waste Management Plan, or any modifications of said plan approved after the effective date of this registration.
11. The registrant hereby agrees, consents and authorizes representatives of the Department of Environmental Protection (hereinafter DEP) to make whatever inspections, searches and examinations of all premises occupied by it which may be impacted by the activities authorized by this approval whenever these representatives, in their discretion, consider such an inspection, search and/or examination necessary to determine the extent of compliance with any and all conditions of the approval. Any refusal to allow entry to the Department's representatives shall constitute grounds for either suspension and/or revocation of this approval. Furthermore, the Registrant hereby agrees, consents and authorizes the representatives of the Department to present a copy of this approval to any Municipal or State Police officer having jurisdiction over the registrant's premises in order to have said officer effectuate compliance with this right of entry, should the Registrant at any time refuse to allow entry to said DEP inspectors.

Failure to comply with any or all limitations heretofore mentioned will result in the Department seeking relief under N.J.S.A. 13:1E-1 et seq., the Solid Waste Management Act. Specifically, failure to so comply may result in loss of operating authority, pursuant to N.J.S.A. 13:1E-12.



State of New Jersey
DEPARTMENT OF ENVIRONMENTAL PROTECTION

STANDARD APPLICATION FORM (CP #1)
CONSTRUCTION AND DISCHARGE PERMITS

READ REQUIREMENTS
PLEASE TYPE OR PRINT

1. Applicant/Owner* Manchester Township Telephone (201) 657-8121
 Permanent Legal Address 1 Colonial Drive
 City or Town Lakehurst State N.J. Zip Code 08733
2. Location of Work Site 6/10 ths of a mile west/northwest from intersection of Rte. #539 & Rte. #70
 Name of Facility, if applicable Whiting Municipal Landfill
 Street/Road Route #70
 Lot No. 13 Block No. 116
 City or Town Whiting State N.J. Zip Code 08759
 Municipality Manchester Township County Ocean
3. If applicable, give name of: Engineer/Surveyor/Well Driller/Geologist/Soil Scientist (Specify).
 Name _____ N.J. License No. _____
 Name of Firm, if employee _____
 Address _____ County _____
 Municipality _____ State _____ Zip Code _____
 Telephone () _____
4. This is an application for 9.19 Solid Waste (Composting) Permit.
 (Name of permit, certification, approval or exemption. See Item 9. Next Page.)
5. Fee is attached (If applicable). \$ N/A
 (Provide explanation of how fee was calculated. Read Requirements Section of Standard Application booklet.)
6. Estimated construction cost of project: (See Attachment A)
 a. \$ _____ total cost of the project.
 b. \$ _____ portion for which this permit is requested.
7. I have included certifications of any public notifications. Yes _____ No X
8. If applicable:
 (For Waterfront Development and Stream Encroachment applications, 8c. must be completed.)
 a. Source of Water Supply _____
 b. For Treatment at (Water Treatment Plant) _____
 c. Stream, Waterway, Pond or Lake _____
 d. Wastewater Treatment Facility _____

* Applicant/Owner must be the individual or municipality, public agency, utility, company, industry who will be the eventual owner and operator of said facility (sewer extension or treatment works) when completed.

9. Have any other applications for this site/project been submitted, or have any state permits been issued for this project? (If yes, indicate status and project number below.)

No Yes Decision

PERMIT TYPE	(Use additional sheets if necessary.)	APPLICATION STATUS (PENDING - APPROVED)	PROJECT #
9.1	CAFRA.....	_____	_____
9.2	Waterfront Development (Riparian).....	_____	_____
9.3	Wetlands.....	_____	_____
9.4	Purchase Water.....	_____	_____
	Diversion:		
9.5	Divert Water Supply for Public Use.....	_____	_____
9.6	Divert Surface Waters for Private Use.....	_____	_____
9.7	Divert Subsurface/Percolating Water for Private Use.....	_____	_____
9.8	Well Drilling.....	_____	_____
9.9	Permanent Water Lowering.....	_____	_____
9.10	Temporary Water Lowering.....	_____	_____
9.11	Construct/Modify, Operate Public Potable Water Works.....	_____	_____
9.12	Connection between an approved water supply and non-approved supply ...	_____	_____
9.13	Water Quality Certification.....	_____	_____
9.14	Construct/Repair Dam.....	_____	_____
9.15	Stream Encroachment.....	_____	_____
9.16	Sewer Systems: Collectors, Pump Station, etc.....	_____	_____
9.17	Exemption from Sewer Ban.....	_____	_____
9.18	New Jersey Pollutant Discharge Elimination System (Specify).....	_____	_____
9.19	Solid Waste Permits (Specify).....	Approved	1518A
9.20	Air Quality Permits (Specify).....	_____	_____
9.21	Delaware and Raritan Canal Review Zone "Certificate of Approval".....	_____	_____
9.22	Pinelands Certificate.....	_____	_____
9.23	Other State agencies' permits.....	_____	_____
9.24	Local Permits.....	_____	_____
9.25	Federal Permits.....	_____	_____

10. Brief Description of the Proposed Project and Intended Use:

Composting of leaves, grass clippings and branches from municipal residential sources.

11. I hereby certify that the information furnished on this application (and the attachments) is true. I am aware that false swearing is a crime in this State and subject to prosecution.

James J. Jados

Type: Name and Date

Environmental Officer

Type: Position

James J. Jados
Signature of Applicant
For Owner

February 24, 1984

Date

ENDORSEMENTS

SOME PERMIT APPLICATIONS REQUIRE SPECIFIC ENDORSEMENTS OF OWNERS, AGENTS, MUNICIPALITIES, ETC. ENDORSEMENTS MAY BE REQUIRED FOR YOUR PERMIT.

VERIFY THE NEED FOR ENDORSEMENTS IN THE "REQUIREMENTS" SECTION OF THE STANDARD APPLICATION FORM CP #1 BOOKLET OR WITH THE APPROPRIATE DEP AGENCY.

A. PROPERTY OWNER'S CERTIFICATION*†

I hereby certify that Manchester Township
Property Owner's Name

is the owner of the property upon which the proposed work is to be done. This endorsement is certification that the owner grants permission for the conduct of the proposed activity.

In addition, the aforementioned property owner shall certify:

- 1. Whether any work is to be done within an easement — Yes _____ No X
(initial) (initial)
- 2. Whether any part of the entire project (i.e., pipeline, roadway, cable, transmission line, etc.) will be located within property belonging to the State of New Jersey.
Yes _____ No X
(initial) (initial)

Type or Print Name and Address of Owner, if different from Item 1 on Page 1

3-12-84
Date

Joseph L. Jados
Signature of Owner

* Not required for Sewer System Application.

† Required for the Land Application of Sludge, Septage or Compost.

B. APPLICANT'S AGENT

I, the applicant (name) Manchester Township
authorize to act as my agent/representative in all matters pertaining to my application the following person:

Name James J. Jados Phone (201) 657-8121

Address 1 Colonial Drive County Ocean

City or Town Lakehurst State NJ Zip Code 08733

Occupation/Profession Environmental Officer

Joseph L. Jados
Signature of Applicant

AGENT'S CERTIFICATION

Sworn before me
this 12th day of
March 1984
PAULINE P. McCALLUM
NOTARY PUBLIC OF NEW JERSEY
My Commission Expires June 3, 1987

I agree to serve as agent for the above-named applicant

Pauline P. McCallum
Notary Public

James J. Jados
Signature of Agent

C. PROPER CONSTRUCTION AND OPERATION CLAUSE (Sewer Extensions, Treatment Works Approval, Water Works)

I, the applicant, agree that the works will be properly constructed and operated in accordance with the engineering plans and specifications, as approved, and the conditions under which approval is granted by the State Department of Environmental Protection.

Signature of Applicant

D. STATEMENT OF PREPARER OF PLANS, SPECIFICATIONS AND ENGINEER'S REPORT

I hereby certify that the engineering plans, specifications and engineer's report applicable to this project comply with the current rules and regulations of the State Department of Environmental Protection with the exceptions as noted.

Signature of Engineer

Type: Name and Date

**PROFESSIONAL ENGINEER'S
EMBOSSSED SEAL**

Position, Name of Firm

E. OWNER'S COMPLIANCE WARRANT (NJPDES ONLY)

I, the owner, hereby agree that any treatment works constructed to meet the NPDES/NJPDES permit discharge limits will be properly constructed and operated to meet those limits. I also warrant that the discharge(s) will meet the effluent limitations as described in the NPDES/NJPDES permit, as issued.

Signature of Owner

Title

Date



State of New Jersey
DEPARTMENT OF ENVIRONMENTAL PROTECTION

DIVISION OF WASTE MANAGEMENT
32 E. Hanover St., CN 028, Trenton, N.J. 08625

DR. MARWAN M. SADAT, P.E.
DIRECTOR

RICHARD C. SALKIE, P.E.
ASSOCIATE DIRECTOR

April 1, 1986

Mr. James Hofacker
775 East Bay Avenue
Manahawkin, New Jersey 08050

RE: Stafford Compost Facility, Hay Road,
Lots 13, 14 and 15, Block 25, Stafford,
Ocean County

Dear Mr. Hofacker:

I am enclosing herewith a Certificate of Approved Registration and Engineering Design Approval regarding your subject solid waste facility.

Conditions have been incorporated within this approval that must be complied with in order for this Certificate to remain valid. The Department will consider amendment or modification of the specific terms of the conditions of this Certificate, if the Registrant submits a written request by certified mail within fifteen days of receipt of the Certificate. Said written request must clearly state the proposed amendment or modification, and the factual basis for the request. This registration is non-transferable.

Also note that if pollution control equipment is required to meet certain conditions within the attached document, you may be eligible for financial assistance. I have enclosed additional information concerning financial assistance for pollution control facilities.

Sincerely,

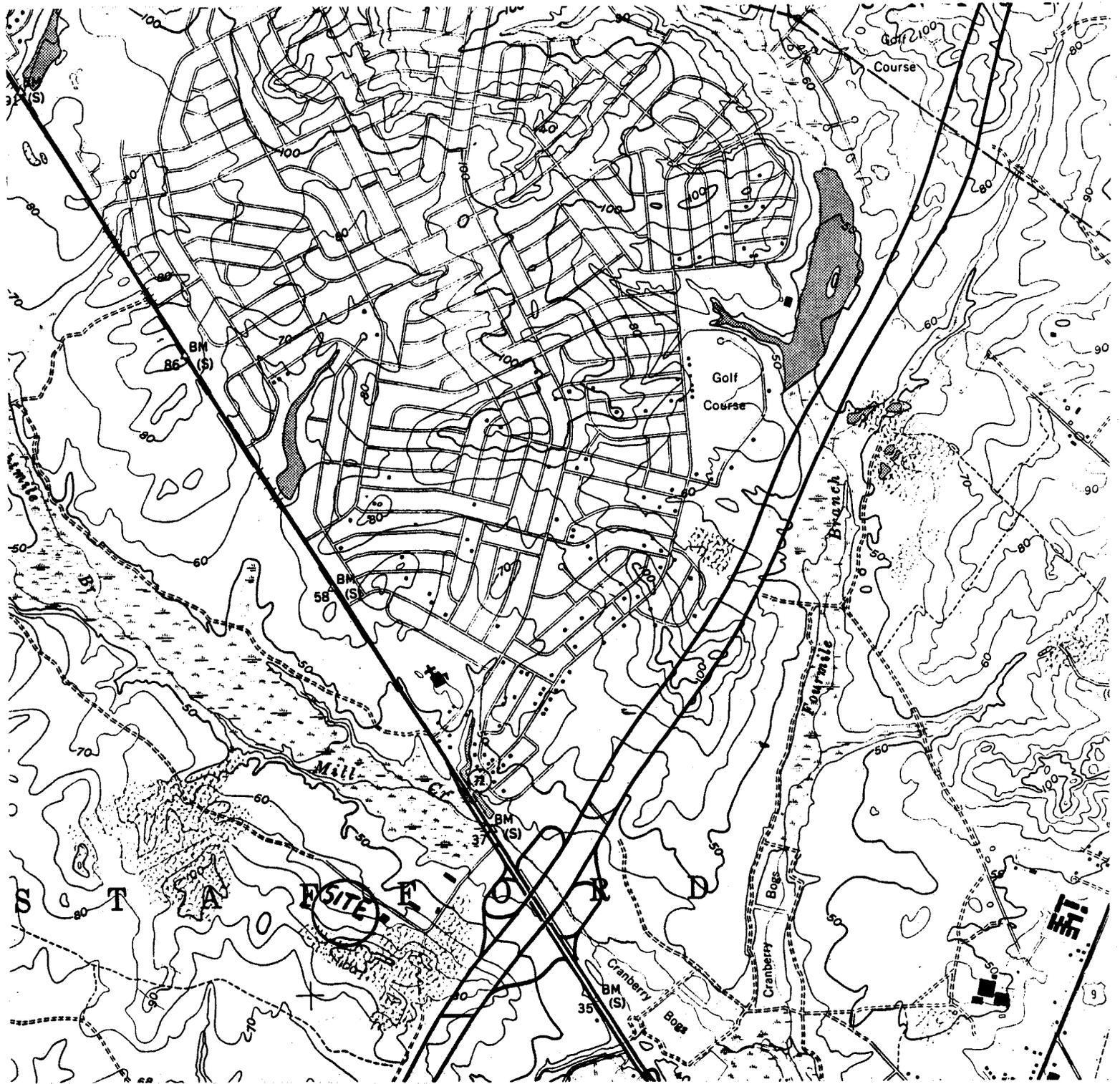
A handwritten signature in cursive script, appearing to read "Albert Montague".

Albert Montague, P.E.
Chief Engineer

EP26/sc
Enclosure

Appendix H-8

Stafford Township Compost Facility
Facility Registration Number 1530B



Stafford Township Compost Facility



State of New Jersey
DEPARTMENT OF ENVIRONMENTAL PROTECTION

DIVISION OF WASTE MANAGEMENT
 32 E. Hanover St., CN 028, Trenton, N.J. 08625

DR. MARWAN M. SADAT, P.E.
 DIRECTOR

RICHARD C. SALKIE, P.E.
 ASSOCIATE DIRECTOR

CERTIFICATE OF APPROVED REGISTRATION
 AND ENGINEERING DESIGN APPROVAL

Under the provisions of N.J.S.A. 13:1E-et seq. known as the Solid Waste Management Act this registration is hereby issued to:

Stafford Township Compost Facility

FACILITY TYPE	<u>Compost</u>
LOT NO. (S)	<u>13, 14 and 15</u>
BLOCK NO. (S)	<u>25</u>
MUNICIPALITY	<u>Township of Stafford</u>
COUNTY	<u>Ocean</u>
FACILITY REGISTRATION NUMBER	<u>1530B</u>
EXPIRATION DATE	<u>April 1, 1991</u>

This approval is subject to compliance with all conditions specified herein and all regulations promulgated by the Department of Environmental Protection and shall be voided if : (1) construction of the facility identified herein does not begin within one year of the date of this approval (2) operation of the facility identified herein does not commence within two years of the date of this approval.

This approval shall not prejudice any claim the State may have to Riparian land, nor does it permit the registrant to fill or alter, or allow to be filled or altered, in any way, lands that are deemed to be Riparian, Wetlands, Stream Encroachment or Flood Plains, or within the Coastal Area Facility Review Act (CAFRA) Zone and the New Jersey Pinelands Act of 1979 or allow the discharge of pollutants to waters of this State without first acquiring the necessary grants, permits or approvals from the Department of Environmental Protection.

This Registration is non-transferable.

Date April 1, 1986

Edward J. Londres, P.E.
 Assistant Director
 Engineering

Certificate of Approved Registration and Engineering Design Approval for Stafford Compost Facility, Stafford Township, Ocean County, Application Number 84-16.

This Certificate of Approved Registration and Engineering Design Approval is conditioned upon compliance with and implementation of the following:

1. Only the following waste materials may be accepted for composting at this facility:

<u>I.D.</u>	<u>Description</u>
23	Vegetative Waste (exclusively leaves and chipped tree and shrub prunings)

2. The following waste materials are specifically prohibited for disposal at this facility:

<u>I.D.</u>	<u>Description</u>
10	Municipal (Household, Commercial and Institutional)
12	Dry Sewage Sludge
13	Bulky Waste
23	Vegetative Waste (except as referenced above in condition 1)
25	Animal and Food Processing Waste
27	Dry Industrial Waste
72	Bulk Liquid and Semi-Liquids
73	Septic Tank Clean-Out Waste
74	Liquid Sewage Sludge

All tree and shrub prunings accepted for processing at the facility must be chipped and composted separately from the leaves received. In regard to grass clippings, severe odor problems have been encountered with the formulation and turning of windrow piles containing high concentrations of grass clippings relative to the volume of leaves being processed. As such, grass clippings are specifically excluded from acceptance for processing at the facility. Small quantities of grass clippings that become entrained with leaves during the autumn collection period may be received for composting, provided that they are present in a mixed form with leaves at the point of generation and that unacceptable odor problems do not develop as a result of their acceptance or processing at the facility.

3. The construction and operation of this facility shall be in accordance with the application plans and specifications prepared by Schoor, DePalma & Gillen, Inc. dated March 6, 1984, and the conditions of this Certificate of Approved Registration and Engineering Design Approval. In the case of conflict, the conditions of this Certificate shall supersede those of the referenced application plans and specifications.
4. Prior to the acceptance of waste at the facility for processing, the composting area, related waste staging and finished compost storage areas and access road(s) shall be graded in a manner that prevents the accumulation of surface water. Once original grading is completed, the above referenced areas of the site shall be maintained through the life of the facility, in a manner that prevents the accumulation or ponding of surface water.

Those areas of the site subject to vehicular usage shall be suitably compacted, and where necessary surfaced, to provide ample vehicular support, to prevent the tracking of soil onto public roads and to prevent the generation of dust.

5. All vegetative waste delivered to the facility for processing shall be removed from bags, boxes or similar containers used in its transport to the site. The discarded bags, boxes and similar containers shall be placed in a suitable refuse receptacle in the staging area of the facility for its eventual removal off-site for disposal.
6. The operation of this facility must follow acceptable methods of windrow composting which results in the aerobic biodegradation of the organic matter received.
7. At the initiation of the composting process, dry vegetative waste shall be moistened prior to its placement in windrows. Dry vegetative waste shall be moistened to saturation without producing excess runoff.
8. Leaf storage and staging activities, windrow construction and reconstruction and the final curing steps shall be conducted within the confines as shown on the Stafford Township Tax Map, prepared by Schoor, DePalma & Gillen, Inc., dated April 1960, with latest revision dated July 1983. Property line buffers delineated shall be strictly adhered to.
9. To facilitate drainage and to reduce surface water ponding, each windrow shall be constructed and positioned in a manner where its longest dimension will be in line with the slope of the ground surface.

10. Windrows shall be constructed (and reconstructed after turning) to a maximum height of six (6) feet with a corresponding base not to exceed a maximum of fourteen (14) feet in width.
11. Ample working space shall be afforded between windrows for turning purposes. A minimum separation of sixteen (16) feet working distance measured from the pile base to the next adjacent pile's base shall be provided along at least one side of the longest dimension of each windrow pile. As such, windrows can be constructed in pairs for combination after the first turn and need only be separated by as little as two (2) feet along their mutually adjoining lengths, provided that the opposite sides are separated from adjacent windrow pile pairs by at least sixteen (16) feet measured at the base.

The sixteen (16) foot minimum separation distance can be reduced only upon satisfactory demonstration to the Department that appropriate equipment maneuverability for turning can be afforded at a reduced distance.

12. Windrows shall be turned and reconstructed a minimum of once during the first one to two months of the process cycle, again four to six months into the process, and finally again at the tenth month of the cycle. More frequent windrow turning and reconstruct can occur at the discretion of the Registrant.
13. Upon completion of the one and one half year (1 1/2) composting cycle, the end product mulch shall receive a final aeration, and any bulky uncomposted material present shall be removed to ensure the best end result for its use as a soil amendment.

The compost cycle shall be extended beyond the one and one half year (1 1/2) period should vegetative waste not show evidence of an acceptable level of biodegradation. Similarly, the compost cycle can be shortened upon demonstration that suitable accelerated biodegradation has occurred.

14. The operation of this facility shall not result in odors associated with the process being detected off-site by the sense of smell in any area of human use or occupancy. A supply of pulverized limestone shall be readily available for immediate use at the site should odor problems develop.
15. Noise control shall be implemented so that sound levels generated by the facility operation shall not exceed the standards set forth by the New Jersey State Noise Control Regulations under N.J.A.C. 7:29-1 et seq.

16. This Certificate of Approved Registration and Engineering Design Approval is for a maximum period of five (5) years from the date of its issuance. This Certificate of Approved Registration and Engineering Design Approval can be renewed at that time upon proper application, provided that the operation will meet all Departmental requirements that may exist when the renewal application is made.
17. The operation of this facility must be in accordance with the provisions of N.J.A.C. 7:26-1 et seq. and the conditions of this Certificate.
18. This approval is conditioned upon conformance with all requirements of the Approved Ocean County District and State Solid Waste Management Plans as adopted and promulgated pursuant to N.J.S.A. 13:1E-1 et seq. as amended.
19. The Registrant shall comply with the Pinelands Commission's Certificate of Conformity dated July 12, 1985.
20. The Registrant hereby agrees, consents and authorizes representatives of the Department of Environmental Protection (hereinafter DEP) to make whatever inspections, searches and examinations of all premises occupied by it which may be impacted by the activities authorized by this approval whenever these representatives, in their discretion, consider such an inspection, search and/or examination necessary to determine the extent of compliance with any and all conditions of the approval. Any refusal to allow entry to the Department's representatives shall constitute grounds for either suspension and/or revocation of this approval. Furthermore, the Registrant hereby agrees, consents and authorizes the representatives of the Department to present a copy of this approval to any Municipal or State Police officer having jurisdiction over the Registrant's premises in order to have said officer effectuate compliance with this right of entry, should the Registrant at any time refuse to allow entry to said DEP inspectors.

Failure to comply with any or all limitations heretofore mentioned will result in the Department seeking relief under N.J.S.A. 13:1E-1 et seq., the Solid Waste Management Act. Specifically each day of failure to so comply shall constitute a separate violation on the basis of which a fine shall be assessed and may result in loss of operating authority, pursuant to N.J.S.A. 13:1E-12.

The issuance of this approval and the conditions of operation identified herein shall not be interpreted as relieving the applicant of his responsibility to secure and maintain all other applicable Federal, State and local permits or similar forms of authorization relating to the construction and operation of this facility.

Appendix I

Inventory of Recycling Businesses Meeting
Priority Consideration Criteria

Recycling Businesses Operating in Ocean County Municipalities

Municipality	Type	Subtype	Material	Tonnage		
Barnegat Light	Municipal		Ferrous Scrap	10.3		
			Newspaper	255.4		
			Aluminum	0.1		
				265.8		
Beach Haven	Commercial	Supermarket	Food Waste	14.8		
	Municipal	Supermarket	Corrugated	69.4		
			Newspaper	47.7		
				131.9		
Beachwood	Commercial	Butcher	Food Waste	4.8		
	Individual Sales		Newspaper	40.0		
					44.8	
Berkeley	Non-Profit		Newspaper	1,631.5		
				1,631.5		
Brick	Commercial	Butcher	Food Waste	36.8		
			Supermarket	Food Waste	231.5	
				Recycler	Newspaper	265.7
			Individual Sales	Supermarket	Corrugated	1,644.0
	Municipal	Newspaper		1,104.0		
		Non-Profit		Non-Ferrous	317.6	
				Aluminum	0.4	
			Newspaper	581.2		
				4,181.2		
Dover	Commercial	Recycler	Non-Ferrous	0.6		
			Contractor	Glass	51.1	
			Retailer	Corrugated	614.1	
			Recycler	Aluminum	5.0	
				Contractor	Aluminum	3.5
			Supermarket	Corrugated	2,121.0	
				Supermarket	Food Waste	241.7
			Individual Sales	Printer	Newspaper	190.0
				Institute	Newspaper	1,182.0
					Municipal	Hi-Grade
	Non-Profit	County Offices	White Goods	448.1		
				Aluminum	7.2	
			Newspaper	853.6		
				5,755.9		
Eagleswood	Municipal		Newspaper	35.3		
			White Goods	21.5		
			Glass	1.0		
				57.8		

Continued on following pages.

Recycling Businesses Operating in Ocean County (Continued)

Jackson	Commercial	Supermarket	Corrugated	670.0
		Amusement Park	Food Waste	10.0
	Municipal	Supermarket	Food Waste	26.0
			Newspaper	50.0
			Aluminum	0.3
			<u>756.3</u>	
Lacey	Commercial	Supermarket	Food Waste	61.5
		Supermarket	Corrugated	473.0
	Municipal Non-Profit		Newspaper	545.0
			Glass	49.4
			Aluminum	3.0
			<u>1,131.9</u>	
Lakewood	Commercial	Recycler Supermarket Supermarket	Newspaper	14.8
			Corrugated	805.0
	Individual Sales Municipal		Food Waste	58.0
			Newspaper	592.0
			Ferrous Scrap	480.3
	Non-Profit		Newspaper	765.8
			Aluminum	2.5
			Glass	112.8
			Corrugated	437.0
			Newspaper	977.4
				<u>4,245.6</u>
Lavallette	Municipal		Newspaper	72.7
	Non-Profit		Ferrous Scrap	29.7
			Aluminum	0.9
			<u>103.3</u>	
Little Egg Harbor	Commercial	Supermarket Supermarket	Corrugated	117.7
			Food Waste	21.9
	Non-Profit		Newspaper	140.0
			Glass	11.9
			Aluminum	0.5
			<u>292.0</u>	
Long Beach	Commercial	Supermarket	Corrugated	182.0
	Municipal		Aluminum	0.3
			Newspaper	5.0
			Glass	8.5
			<u>195.8</u>	
Manchester	Commercial	Supermarket Supermarket	Corrugated	180.0
			Food Waste	18.7
	Individual Sales Non-Profit		Newspaper	157.0
			Newspaper	1,902.0
			<u>2,257.7</u>	
Ocean	Non-Profit		Ferrous Scrap	4.1
			Non-Ferrous	61.1
			Newspaper	196.0
			Glass	0.4
			Aluminum	0.8
			<u>262.4</u>	

Continued on following page.

Recycling Businesses Operating in Ocean County (Continued)

Pine Beach	Non-Profit		Newspaper	19.8
				<u>19.8</u>
Point Pleasant	Commercial	Supermarket	Corrugated	54.7
	Municipal	Supermarket	Food Waste	10.6
			Newspaper	466.1
			Glass	51.9
			Aluminum	2.4
	Non-Profit		Non-Ferrous	6.1
			Newspaper	309.0
				<u>900.8</u>
Point Pleasant Beach	Commercial	Supermarket	Corrugated	31.0
		Supermarket	Food Waste	6.5
	Municipal	Recycler	Aluminum	30.0
			Newspaper	248.6
			Non-Ferrous	50.0
				<u>366.1</u>
Seaside Heights	Municipal		Newspaper	79.0
			Ferrous Scrap	10.5
				<u>89.5</u>
Seaside Park	Municipal		Newspaper	105.1
			Non-Ferrous	35.0
				<u>140.1</u>
Stafford	Commercial	Supermarket	Corrugated	577.2
		Supermarket	Food Waste	76.3
	Municipal	Butcher	Food Waste	8.3
			Newspaper	356.1
			Corrugated	28.0
			Glass	25.8
			Aluminum	4.0
			Ferrous Cans	0.8
	Non-Profit		Ferrous Scrap	255.2
			Newspaper	62.4
			Aluminum	0.1
				<u>1,394.2</u>
Tuckerton	Municipal		Ferrous Scrap	48.0
			Newspaper	39.0
			Aluminum	0.5
				<u>87.5</u>
Total:				<u>24,311.9</u>

*Persons engaged in the business of recycling prior to January 1, 1986.

Source: NJ Department of Environmental Protection, Office of Recycling, July 1987.

Appendix J

Resolution Supporting Ocean County Tire Reef Project

RESOLUTION

AUGUST 5, 1987

WHEREAS, the Ocean County Solid Waste District Management Plan provides for and encourages the recycling of waste materials for beneficial use; and

WHEREAS, the County of Ocean has developed and participated in a cooperative program with the State of New Jersey providing for the recycling of used tires into fishery units for the development of an artificial reef off our coast; and

WHEREAS, through the cooperative efforts of the State and the County, the artificial reef program has preserved valuable landfill capacity and provided for the reuse of automobile tires in an environmentally sound and beneficial manner; and

WHEREAS, the development of the artificial reef has resulted in the creation of a marine fisheries habitat benefiting recreational and commercial fishermen; and

WHEREAS, the County has been informed by the State that State funding will no longer be available to offset the cost of operating the artificial reef program; and

WHEREAS, the County of Ocean believes that the continuation of the tire recycling project and the creation of the artificial reef are in the best interests of the residents of Ocean County and will promote efficient solid waste management, recycling, and the development of an enhanced marine fisheries habitat;

NOW, THEREFORE, be it RESOLVED by the Board of Chosen Freeholders of the County of Ocean, State of New Jersey as follows:

1. Continuation Program

The Ocean County Tire Recycling and Artificial Project, as currently operated under the auspices of the Ocean County Road Department at the Robert J. Miller Airpark, Berkeley Township, N.J. shall continue in full force and effect.

2. Purpose and Intent

The purpose and intent of this Project is to recycle used automobile tires generated in Ocean County in a manner

which conserves necessary landfill capacity and results in the creation of an artificial reef providing an enhanced ocean habitat promoting the breeding and development of marine life.

3. Project Guidelines

In order to monitor the flow of used tires to the site and to assure that the Project is restricted to used tires generated in Ocean County, the Superintendent of the Road Department or his designee is authorized and directed to develop Project Guidelines necessary to carry out and effectuate the purposes and intent of the Project as set forth above and to assure compliance with all regulations and guidelines established by the New Jersey Department of Environmental Protection, Division of Fish, Game and Wildlife for the construction and deployment of tire units at an offshore artificial reef site.

4. Application Procedure

A. Any person wishing to use the Project facility shall make application to the Ocean County Road Department for permission to use the facility, on an application form to be provided by the Road Department.

B. No person shall be authorized to use the facility or transport any used tires to the facility prior to the submission of an application form to the Road Department and the approval of the same by the Superintendent or his designee.

5. Hours of Operation

The Project facility shall be open to conduct business and render services Monday through Friday, 7:00 a.m. to 3:30 p.m., holidays excepted. The Project facility reserves the right to limit the quantities of tires accepted in order to avoid an overabundance of tires on the premises. In the event of inclement weather when the operation of the Project facility would pose a threat to the safety and welfare of the public, the facility reserves the right to suspend operation until such time as the condition causing the interruption has abated.

6. Rate Schedule

Every person, firm or entity using the Project facility shall be charged a fee of One Dollar (\$1.00) per tire for every

tire delivered to the facility. The terms of payment shall be as set forth below.

7. Terms of Payment

Each person delivering used tires to the Project facility shall be issued an invoice setting forth the number of tires accepted by the Project facility, the amount due, and the person, firm or entity responsible for payment. Payment in full shall be due 30 days after the date of the invoice and shall be made by check, payable to the County of Ocean and forwarded to the Ocean County Road Department, CN 2191, Toms River, New Jersey 08754.

8. Reservation of Rights

The Ocean County Road Department reserves the right to restrict access to the Project facility to any person, firm or entity found to be in violation of the Project guidelines or who fails to make timely payments to the County of Ocean of any moneys due.

I certify the foregoing to be a
true copy of a Resolution 001-21-00
by the Board of Chosen Freeholders
of the County of Ocean on the
5th day of October, 1987
William M. Mabe
Clerk of the Board

Appendix K

Resolution Establishing the
Ocean County Department of Solid Waste Management

RESOLUTION

December 11, 1985

WHEREAS, the New Jersey Solid Waste Management Act requires the Ocean County Board of Chosen Freeholders to prepare, adopt and implement a Solid Waste Management Plan to meet the existing and future solid waste disposal need of Ocean County; and

WHEREAS, the state law further requires the designation of a unit of county government to have the responsibility for overseeing and carrying out the implementation of the adopted and state certified Ocean County District Solid Waste Management Plan; and

WHEREAS, the Ocean County Board of Chosen Freeholders established by resolution dated December 2, 1981 a Department of Solid Waste Management for this purpose;

NOW, THEREFORE, BE IT RESOLVED that Steven L. Pollock, Ocean County Planning Director, is hereby appointed to serve as the department head to oversee the County's activities in planning and implementing the adopted plan.

BE IT FURTHER RESOLVED that for budgetary purposes the County solid waste planning activities will be separately identified and provided for through annual appropriations through the Department of Solid Waste Management. The staffing and work activities, however, will be coordinated under Mr. Pollock's direction as part of the activities of the Ocean County Planning office.

BE IT FURTHER RESOLVED that copies of this resolution be distributed to the New Jersey Department of Environmental Protection, Clerk of the Board and Ocean County Counsel.

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 December 1985

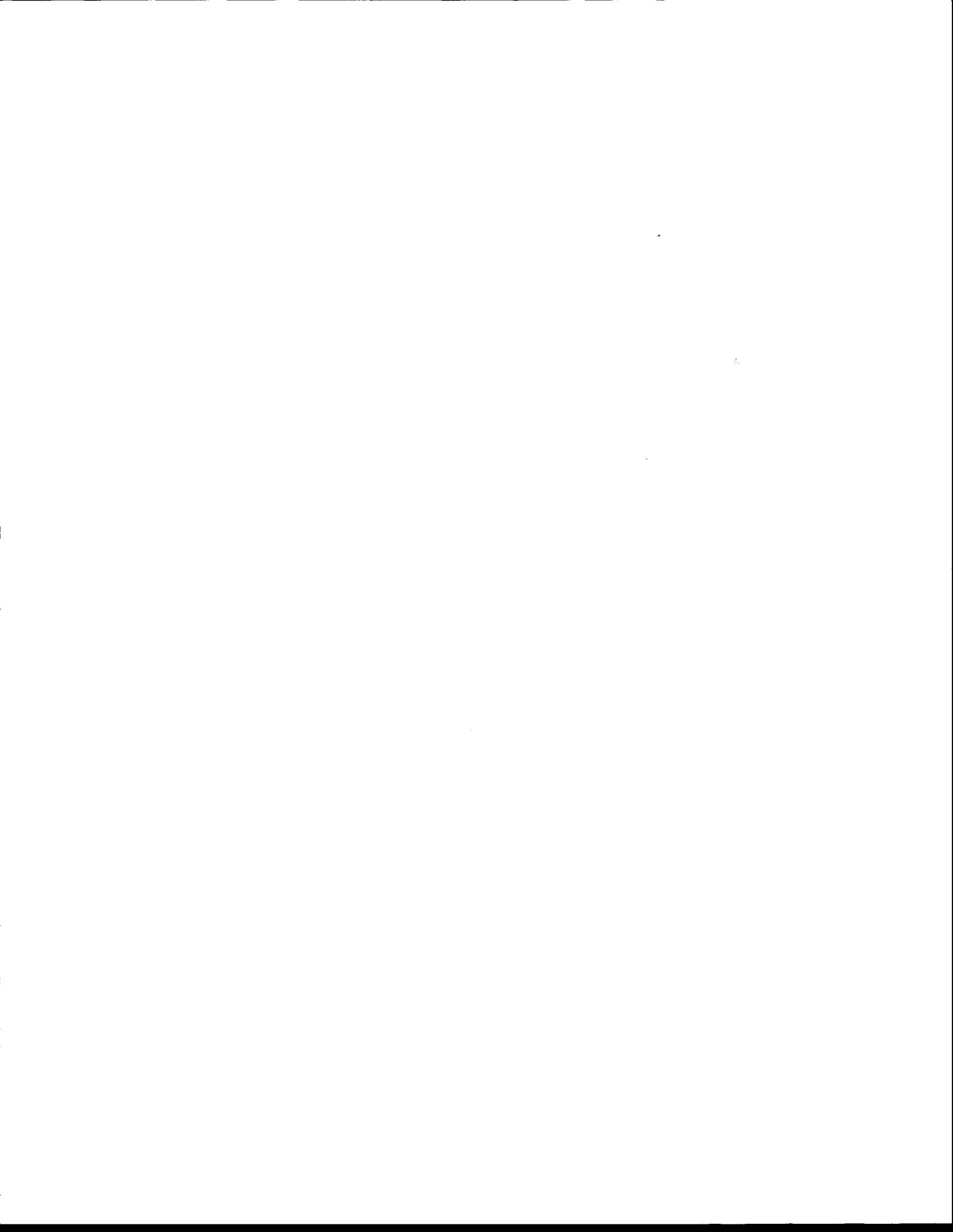
Wanda A. [Signature]

Clerk

Appendix L

Affidavit of Public Notice





9/11/87

Affidavit of Publication

Printer's Fee \$.....

OCEAN COUNTY

NOTICE

Public Hearing on the Ocean County Recycling Plan - An Amendment to the Ocean County District Solid Waste Management Plan

The Ocean County Board of Chosen Freeholders will conduct a special meeting on Wednesday, September 30, 1987 and will begin at 3:00 P.M. The meeting will be held in Room 119 of the County Administration Building, 101 Hooper Avenue, Toms River, New Jersey. The special meeting includes two agenda items; the first item is a public hearing on proposed amendments to the Ocean County Water Quality Management Plan. The second item is a public hearing on the proposed Ocean County Recycling Plan, an amendment to the Ocean County District Solid Waste Management Plan and will begin immediately following the first public hearing.

The County has prepared a Recycling Plan in accordance with the requirements of the Mandatory Recycling and Source Separation Law of 1987. The Plan identifies the designated recyclable materials and defines recovery target rates for each Ocean County municipality and sets forth the strategy for collection, marketing and disposition of the recyclable materials. Under the plan the County proposes to construct two regional recycling centers to process the materials collected. (370.86) 66973

State of New Jersey } ss.
MONMOUTH COUNTY

Personally appeared Nancy Crisanti

of the Asbury Park Press, a newspaper printed and published in ASBURY PARK, in said County and State, who being duly sworn, deposeth and saith that the advertisement of which the annexed is a true copy, has been published in the said newspaper..... times, once in each issue, as follows September 11th, 18th

Two (2)

A.D., 19 87

Sworn and subscribed before me this

18th

day of

September

A.D., 19 87

Notary Public of New Jersey

AFFIDAVIT OF PUBLICATION

**STATE OF NEW JERSEY } §
COUNTY OF OCEAN**

..Barbara Reifenhaiser.... of
full age, being duly sworn according to
law, says that she is the clerk of the
OCEAN COUNTY OBSERVER, a
newspaper published in Toms River in
the County of Ocean and State of New
Jersey, and that the annexed, a true
copy, was published in said paper on
the days of September 11, 18, .. 1987 and
once each week thereafter for
consecutive weeks.

LEGAL NOTICE

Public Hearing on the Ocean County Recycling Plan - An Amendment to the Ocean County District Solid Waste Management Plan.

The Ocean County Board of Chosen Freeholders will conduct a special meeting on Wednesday, September 30, 1987 and will begin at 3:00 PM. The meeting will be held in Room 119 of the County Administration Building, 101 Hooper Avenue, Toms River, New Jersey. The special meeting includes two agenda items; the first item is a public hearing on proposed amendments to the Ocean County Water Quality Management Plan. The second item is a public hearing on the proposed Ocean County District Solid Waste Management Plan and will begin immediately following the first public hearing.

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September 11, 18, 1987
Ocean County Observer
pf: \$32.80

Barbara Reifenhaiser
Sworn and subscribed to before me

this 23rd day of September 1987

Joan B. Kingman
Notary Public of New Jersey

JOAN B. KINGMAN
NOTARY PUBLIC OF NEW JERSEY
MY COMMISSION EXPIRES OCTOBER 16, 1989