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PRIORITY SYSTEM, INTENDED USE PLAN, PROJECT PRIORITY LIST AND RESPONSE DOCUMENT FOR FEDERAL FISCAL YEAR 1997

ENVIRONMENTAL REGULATION
DIVISION OF WATER QUALITY
MUNICIPAL WASTEWATER ASSISTANCE PROGRAM

JULY 1996

Christine Todd Whitman
Governor

Robert C. Shinn, Jr.
Commissioner

New Jersey Department of Environmental Protection
Mission Statement

Vision: The Department of Environmental Protection is committed to providing a high quality of life for the residents of New Jersey.

Mission: To assist the residents of New Jersey in preserving, sustaining, protecting and enhancing the environment to ensure the integration of high environmental quality, public health and economic vitality.

We will accomplish our mission in partnership with the general public, business, environmental community and all levels of government by:

- ◊ Developing and integrating an environmental master plan to assist the Department and our partners in decision-making through increased availability of resource data on the Geographic Information System.
- ◊ Defining and publishing reasonable, clear and predictable scientifically-based standards.
- ◊ Achieving the Department's goals in a manner that encourages compliance and innovation.
- ◊ Employing a decision-making process that is open, comprehensive, timely, predictable and efficient.
- ◊ Providing residents and visitors with affordable access to safe and clean open space, historic and natural resources.
- ◊ Assuring that pollution is prevented in the most efficient and practical way possible.
- ◊ Assuring that the best technology is planned and applied to achieve long-term goals.
- ◊ Assuring that non-treatable wastes are isolated, managed and controlled.
- ◊ Enhancing environmental awareness and stewardship through education and communication.
- ◊ Fostering a work environment that attracts and retains dedicated and talented people.
- ◊ Committing to an ongoing evaluation of the Department's progress toward achieving our mission.

State of New Jersey

Christine Todd Whitman
Governor

Department of Environmental Protection

Robert C. Shinn, Jr.
Commissioner

FEDERAL FISCAL YEAR 1997
PRIORITY SYSTEM, INTENDED USE PLAN AND PROJECT PRIORITY LIST

The New Jersey Department of Environmental Protection (Department) has completed the development of the Federal Fiscal Year 1997 Priority System, Intended Use Plan and Project Priority List and has received the United States Environmental Protection Agency's approval of these documents. The Priority System establishes the project ranking methodology and funding policies that will govern the award of federal grants in Federal Fiscal Year 1997. The Intended Use Plan includes information on the timing, use and distribution of federal funds anticipated to be made available to New Jersey (through a capitalization grant) for use in the State's Wastewater Treatment Financing Program. The Project Priority List identifies those projects eligible to receive State loans in State Fiscal Year 1998. Projects will be funded with the monies anticipated to be allocated to the State of New Jersey in Federal Fiscal Year 1997 and funds made available from the New Jersey Wastewater Treatment Financing Program in State Fiscal Year 1998.

Grant increases will be awarded in Federal Fiscal Year 1997 to provide funding based on the low bid building cost to municipalities which received federal grants in previous years. Projects on the Project Priority List (whose sponsor indicated their intent to comply with the project document submittal deadlines) will be eligible to receive loans from New Jersey's State Revolving Fund (SRF) in State Fiscal Year 1998.

Certain changes were made to the Priority System, Intended Use Plan and Priority List proposal as a result of comments received through the Department's public participation program. A complete discussion of major issues and the Department's responses are presented in the enclosed Federal Fiscal Year 1997 Response Document.

The public comments concerning the development of the Federal Fiscal Year 1997 Priority System, Intended Use Plan and Priority List have been very helpful. We wish to thank all of the individuals and organizations that have taken the time to assist the Department in developing this important aspect of our clean water program.

If you have any questions about this document, please feel free to contact Nicholas G. Binder, P.E., P.P., Assistant Director of the Municipal Wastewater Assistance Program, at (609) 292-8961.

Sincerely,

Dennis Hart, Director
Division of Water Quality

December 1996

Enclosures

MUNICIPAL WASTEWATER ASSISTANCE
State Fiscal Year 1997 Loan Actions

Project Number	Loan Recipient	Principal Amount	Award Type	Award Date
S340708-05-2	Camden County MUA	$ 6,891,070	New Loan	11/08/96
S340943-01-1	Mt. Laurel Township MUA	$ 4,299,706	New Loan	11/08/96
S340724-03-1	Morris Township	$ 485,574	New Loan	11/08/96
S340712-03	Burlington Township	$ 8,763,000	New Loan	11/08/96
S340352-01	Florence Township	$ 1,865,706	New Loan	11/08/96
N92 951-01	Washington Township MUA	$ 8,756,406	New Loan	11/08/96
S340724-04	Morris Township	$ 2,677,936	New Loan	11/08/96
N92 966-01	Lavallette Borough	$ 1,583,920	New Loan	11/08/96
N92 353-01	Egg Harbor Township MUA	$ 1,000,000	New Loan	11/08/96
S340440-03	Flemington Borough	$ 1,059,992	New Loan	11/08/96
S340689-02	Passaic Valley SC	$30,300,000	New Loan	11/08/96
S340953-01	Jackson Township MUA	$ 6,062,005	New Loan	11/08/96
S340569-02	Byram Township	$ 1,777,637	New Loan	11/08/96
S340857-01	Atlantic Highlands Borough	$ 864,038	New Loan	11/08/96
S340942-01	Elizabeth City	$ 3,200,000	New Loan	11/08/96
S340921-02	Millville City	$ 2,387,500	New Loan	11/08/96
S340337-01	Bellmawr Borough	$ 896,000	New Loan	11/08/96
S340338-01	Somerdale Borough	$ 254,422	New Loan	11/08/96
S340257-01	Woodbury Hts. Borough	$ 943,820	New Loan	11/08/96
S340537-04	Mount Olive Township	$ 1,233,702	New Loan	11/08/96
N92 876-01	Chester Borough	$ 1,378,902	New Loan	11/08/96

Federal Fiscal Year 1996 Grant Increase Actions

Project Number	Grant Recipient	Increase Amount	Award Type	Award Date
C340714-03	Ocean County UA	$7,341,716	Increase	08/16/96

Federal Fiscal Year 1996 Grant Decrease Actions

Project Number	Grant Recipient	Decrease Amount	Award Type	Award Date
C340433-03-1	Woodbridge Township	$2,618,068	Closeout	02/28/96
C340433-05-1	Woodbridge Township	$ 83,574	Closeout	02/28/96
C340433-06-1	Woodbridge Township	$1,284,282	Closeout	02/28/96
C340663-01-1	North Wildwood City	$ 97,488	Closeout	03/26/96
C340389-01-3	Rockaway Valley RSA	$ 745,260	Closeout	04/25/96
C340660-02-3	Cape May County MUA	$ 14,994	Closeout	06/18/96
C340661-04-2	Cape MAy County MUA	$1,613,424	Closeout	06/25/96
C340381-01-2	Roxbury Township	$ 5,204	Closeout	09/16/96
C340535-01-1	Readington-Leb. SA	$ 744	Closeout	09/19/96
C340333-02-2	Parsippany Troy Hills Twp	$ 9,024	Closeout	09/19/96
C340423-01-1	Monroe Township MUA	$1,852,935	Closeout	09/19/96
C340423-02-1	Monroe Township MUA	$ 249,097	Closeout	09/19/96
C340433-01-1	Woodbridge Township	$ 29,886	Closeout	09/27/96
C340796-01-1	Western Monmouth UA	$ 4,330	Closeout	09/30/96
C340380-03-1	Western Monmouth UA	$ 2,255	Closeout	09/30/96
C340685-01-2	Middletown Township SA	$ 415	Closeout	09/30/96

PRIORITY SYSTEM, INTENDED USE PLAN, PROJECT PRIORTY LIST
AND RESPONSE DOCUMENT FOR FEDERAL FISCAL YEAR 1997

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PROJECT PRIORITY LIST

RESPONSE DOCUMENT

PROJECT NARRATIVES

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2 SOUTH FARRAGUT ROAD
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JERSEY CITY NJ 07302

HUNTERDON COUNTY

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TRENTON NJ 08609

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SHREWSBURY NJ 07701

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MORRIS COUNTY PUBLIC LIBRARY
30 EAST HANOVER STREET
WHIPPANY NJ 07901

OCEAN COUNTY

OCEAN COUNTY LIBRARY
101 WASHINGTON STREET
TOMS RIVER NJ 08753

PASSAIC COUNTY

PATERSON PUBLIC LIBRARY
250 BROADWAY
PATERSON NJ 07501

SALEM COUNTY

SALEM CITY PUBLIC LIBRARY
112 WEST BROADWAY
SALEM COUNTY NJ 08079

SOMERSET COUNTY

SOMERSET COUNTY LIBRARY
NORTH BRIDGE ST & VOGT DR
BOX 6700
BRIDGEWATER NJ 08807

SUSSEX COUNTY

SUSSEX COUNTY LIBRARY
RD #3 BOX 76
NEWTON NJ 07860

UNION COUNTY

ELIZABETH CITY LIBRARY
11 SOUTH BROAD STREET
ELIZABETH NJ 07202

WARREN COUNTY

PHILLIPSBURG PUBLIC LIBRARY
200 FROST AVENUE
PHILLIPSBURG NJ 08865

PRIORITY SYSTEM

Priority System, Intended Use Plan, Project Priority List and Response Document for Federal Fiscal Year 1997

OVERVIEW

The Water Quality Act of 1987 (amendments to the Clean Water Act) required states to establish a State Revolving Fund (SRF) program which provides financial assistance to local government units for the construction of projects to maintain and improve water quality. The SRF program is to be self-perpetuating, whereby loan repayments are used to finance future project needs. New Jersey's SRF program was established in 1988 as a component of the state's Wastewater Treatment Financing Program. To date, the Wastewater Treatment Financing Program (SRF and non-SRF components) has been very successful. Approximately $1.2 billion has been awarded through 141 loan actions throughout the state. As of June 1, 1996, 86 of the 141 loan actions have been closed out and 55 loans are currently active totalling approximately $476 million.

In FFY97, stormwater and nonpoint source (nps) management projects are eligible for the first time under the Wastewater Treatment Financing Program. This new feature will allow the New Jersey Department of Environmental Protection (Department) and the New Jersey Wastewater Treatment Trust (Trust) to provide loans to local government units to address these water quality improvement needs in their jurisdiction. The Department and the Trust are allocating a minimum of $10 million in Program funds to be dedicated to this project category in FFY97. In order to qualify, sponsors of stormwater/nps management projects are required to complete a request to be placed on the Project Priority List and satisfy the same timeframes as those established for wastewater treatment projects. More details on this new component of the Program can be found in the Intended Use Plan (item G.). Also reflected in this year's Priority System, the Department has adopted a new policy whereby those projects which are a component of approved watershed management plans receive an additional 200 bonus ranking points. The additional points are awarded to both point and nonpoint source projects which qualify. The Department believes this policy will serve as an incentive to complete watershed management planning and a means to move forward with the water quality improvements which can be achieved through a watershed approach.

As required by federal and state law, the Department has developed a Priority System, Intended Use Plan and Project Priority List for FFY97. The Priority System details the state's policies governing the award of federal grants under the Construction Grants Program which are the same as those adopted in the FFY96 Priority System. The FFY97 Priority System also provides the ranking methodology for municipal water pollution control projects eligible for state financial assistance under the Wastewater Treatment Financing Program. The ranking system

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continues to provide high priority to projects which address discharges of raw, dilute or improperly treated sewage during rain events to the state's waters, including combined sewer overflow (CSO) abatement projects and overflowing sewer projects. CSO abatement projects are typically high cost projects located in urban areas, where affordability may be a serious concern. Overflowing sewer projects, including interconnection/cross-connection abatement projects, are known to contribute to beach and shellfish bed closures. Addressing these projects will result in improvements to the health, safety, aesthetic value and recreational attributes of the coastal waters. The Intended Use Plan provides information on the state's policies governing the Wastewater Treatment Financing Program and New Jersey's plan to channel any federal funds available to the SRF in FFY97 to the Department-administered Wastewater Treatment Fund (Fund). The Fund, together with the Trust, comprise the Wastewater Treatment Financing Program. The Project Priority List identifies projects which may qualify for financial assistance from the Wastewater Treatment Financing Program in State Fiscal Year 1998 (SFY98). With the exceptions as noted above, the FFY97 document is generally in conformance with the Priority System adopted for FFY96. Also included in this document is a section entitled "Sewage Infrastructure Improvement Act (SIIA) Grants Program" which discusses the availability of planning and design grants for combined sewer overflow abatement and stormwater management projects, including projects which address interconnections and/or cross-connections (I/C) of sanitary and stormwater sewer systems.

Although federal funds were provided to the SRF in Federal Fiscal Year 1995 and 1996, the receipt of additional federal funding in FFY97 and beyond continues to be uncertain since the Clean Water Act has not been reauthorized. Loan repayments and state bond proceeds continue to be available to address existing and future wastewater treatment needs in the state. If the Clean Water Act is reauthorized as anticipated and/or funds are appropriated, New Jersey will receive necessary additional federal funding to supplement existing monies, which will allow the state to more fully address its significant water quality improvement needs. Several legislative initiatives to reauthorize the Clean Water Act and to provide funding for wastewater projects and other water quality improvements have been proposed. It is not expected that the Clean Water Act reauthorization or applicable federal guidance will necessitate significant changes to the Wastewater Treatment Financing Program and the state's Priority System, Intended Use Plan and Project Priority List. As such, the Department issued this document to maintain the traditional financing program schedule. To the extent that the reauthorization requires substantial revisions to the program, the Department will provide additional public participation opportunities regarding such revisions.

PRIORITY SYSTEM

I. Construction Grants Program Policies

In addition to the requirements and limitations specified in the Clean Water Act and the federal regulations, the following statements represent policies of the State of New Jersey regarding federal grant awards under the Construction Grants Program:

A. Federal grant funding for new project segments is no longer available.

B. The grant increase application submission deadline under the FFY97 Priority System is January 4, 1997.

C. Two reserve funds will be established under the FFY97 Priority System. The first is the Reserve for Grant Increases. The second is the Reserve for State Management Assistance (in which the Department will deposit the maximum amount allowed under the Clean Water Act reauthorization and federal policy).

D. Grant amendments will be awarded in FFY97 to qualifying projects from the Reserve for Grant Increases in accordance with the EPA-approved policies adopted under the FFY96 Priority System and which are included herein by reference. Please note that the procurement of professional services continues to be subject to the federal requirements contained in 40 CFR Part 33 (as of October 1, 1988, 40 CFR Part 31) to be considered eligible costs.

II. Priority List - General

Listing on the FFY97 Project Priority List is the first prerequisite to be considered eligible for financial assistance under the Wastewater Treatment Financing Program in SFY98. The applicant has the responsibility of submitting all the required application material in a timely manner.

The Priority List presents the estimated total eligible building costs under the appropriate treatment category. The figure under the "Total Eligible Project Cost" includes the estimated total eligible building costs, the related construction services (i.e., administrative, legal, engineering, inspection, one year start-up services, etc.), the appropriate allowance for planning and/or design and a five percent contingency. The figure under the "Total State Share" column represents 100 percent of the estimated total eligible project costs for the projects. The Department has adjusted project costs identified on the List based on staff knowledge and experience of anticipated project costs. Justified revised costs submitted by project sponsors in response to the public hearing/public participation program were included on the final FFY97 List.

As a result of the public hearings and public comments, appropriate changes to the Priority System, Intended Use Plan and Project Priority List are made by the Department, and are fully discussed in the Response Document. Any significant revisions to the Project Priority List during the fiscal year will also be the subject of a public hearing. The Department does not, however, consider the following revisions to the Project Priority List to be significant:

a. Bypassing (i.e., deferring funding of) a project to a future fiscal year if all requirements (including commitment to and compliance with the project document submittal schedule) of the New Jersey Wastewater Treatment Financing Program are not satisfied on schedule;

b. Increases or decreases in allowable project costs that may influence the fundable range of the Priority List;

c. The addition of a project or projects to the fundable range as a result of their qualifying as a second chance project or under the Public Health Hazard (PHH) Bypass criteria;

d. The revision of the fundable range of the Priority List as a result of a change in the allocation that New Jersey receives (if any) or a change in the state's contribution to the SRF and/or as a result of a revision to the total amount of monies made available from the Fund/Trust program;

e. The revision of the fundable range of the Priority List as a result of ensuring the proper dollar amount is obligated to eligible project categories included under the Clean Water Act's reauthorization.

III. Ranking Methodology

The Project Priority List is developed through consideration of a segment category which ranks projects in accordance with the potential water quality/water use impacts associated with the existing discharge, and a discharge category which ranks projects on the basis of the degree of water pollution problems associated with the type of existing discharge which is to be addressed through the project scope. Both the segment category and the discharge category assign the highest point values to the most severe water quality conditions. The Project Priority List is developed by adding the segment category point scores to the discharge category point scores and ordering the projects according to total points, highest to lowest. In this year's Priority System, the Department has included a new policy whereby those projects which are a component of approved watershed management plans receive an additional 200 bonus ranking points. The Department believes this policy will serve as an incentive to complete watershed management planning and a means to move forward with the water quality improvements which can be achieved through a watershed approach.

Both the segment category and the discharge category assign the highest point values to the most severe water quality conditions. The Project Priority List is developed by adding the segment category point scores to the discharge category point scores and ordering the projects according to total points, highest to lowest. The ranking methodology continues the policy to provide additional ranking points to those municipalities that have received approval under the Center Designation Process and to those that are classified as a multi-jurisdictional center or those which have an endorsed strategic revitalization plan as approved by the State Planning Commission. Projects are further ranked in accordance with the population served by the particular project (i.e., the greater the population, the higher the rank). Projects may be subdivided into operable segments which are independently ranked for water quality impacts and discharge conditions. The projects on the List are ordered according to their sum total of category points, highest to lowest, with tied scores ranked by the greatest population served, to result in a final project priority ranking. Projects will be eligible to receive financial assistance in rank order provided project sponsors comply with the planning, design and application deadlines and requirements. These project rankings reflect, in a comprehensive manner, overall state considerations, the appropriate inputs of national priorities and the USEPA Guidelines.

A. Water Use/Water Quality Segment Priorities

As in FFY96, the FFY97 Project Priority System evaluates projects individually for their anticipated impacts on existing and potential water uses in combination with present water quality conditions of the receiving body. All wastewater treatment projects eligible for financial assistance are evaluated for this water use/water quality ranking. Each wastewater treatment project which has the potential to affect the following water uses would receive the corresponding points:

Existing Water Use	Points
Public Potable Water Supply	200
Fishable	
Trout	75
Nontrout	25
Shellfish	125
Recreation (Primary Contact)	125
Public Nuisance (On-Site Systems Only)	50
Agricultural Water Use	25
Industrial Water Use	25

Points were assigned to a project on an all or nothing basis. For instance, whether a project affects a public water supply serving 2,000 or 200,000 people, it received 200 points. Water use determinations were based on available documentation and

Departmental staff knowledge. Below are working definitions for each water use evaluated:

- Public Potable Water Supply: Consists of existing and projected (based on the New Jersey Statewide Water Supply Master Plan) surface water, public and non-public community surface supply sources or intakes for water companies or municipalities.

- Fishable:

  a. Trout: Includes bodies of fresh water of the state designated for trout production or maintenance by the NJ Water Quality Standards (N.J.A.C. 7:9B).

  b. Nontrout: All fresh water classifications of the state that are not designated for trout production or maintenance by the NJ Water Quality Standards, and including all Delaware River fresh water zones as defined above mile point 85 by the Delaware River Basin Commission.

  c. Shellfish: Those bodies of water in the state being monitored for shellfishing by the Department and those waters designated as shellfish growing waters pursuant to N.J.A.C. 7:12-1 et seq.

- Recreation (Primary Contact): Waters which contain bathing areas routinely monitored as a public bathing beach; also included is the Delaware River upstream of Trenton (as this body is widely used for primary recreation purposes).

- Public Nuisance: This category includes problems related to on-site systems (such as septic systems) where a direct water quality impact was not identified but where on-site failures have been reported.

- Agricultural Water Use: Surface waters which were known to be diverted for agricultural uses such as irrigation and farm ponds. Information was based on the issuance of a state Water Diversion Permit (any surface water diversion greater than 70 gallons per minute is required to have a state-issued permit). In addition, if a water course flows through an extensive agricultural area within which no diversion permits have been issued, then agricultural water use was assumed to be occurring.

- Industrial Water Use: Surface waters which were known to be used for industrial cooling and/or process purposes.

An evaluation of existing water quality conditions followed the water use determinations. Water quality of the streams and lakes within the project's service and planning area, along with receiving waters of a project's discharge, were specifically reviewed. Four different water quality indicators (dissolved

oxygen, nutrients, fecal coliform and toxics) were compared against the state's Water Quality Standards. Points were given for each indicator, on the basis of the frequency each exceeded its respective water quality standard. Higher points reflected poorer water quality conditions and were assigned in the following manner:

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards
Dissolved Oxygen	0	50	100
Fecal Coliform	0	50	100
Nutrients	0	25	50
Toxics	0	25	50

The points established for the water quality indicators reflect the impact each has on meeting the state's goal to protect and enhance surface water resources, quality criteria and designated water uses. Also included in this determination is the magnitude of the contribution that municipal sewerage facilities have on each of the indicators. Dissolved oxygen and fecal coliform were given the highest points because of their direct impact on the fishable-swimmable water use, coupled with the fact that municipal treatment facilities have been known to be a major cause of contravening these water quality standards.

Nutrients were given lower points since they may cause conditions that interfere with water uses, but the resulting conditions will usually not significantly affect the established water use. Though municipal treatment plants contribute a large amount of nutrients to the state's water bodies, nonpoint sources of pollution have also been found to contribute a significant amount of nutrients. Nutrients reflect the presence of phosphorus/phosphates and nitrates/nitrites in the water body. Points were given for nutrients only if the surface waters involved significantly impact the following:

- potable surface water intakes or reservoirs,
- surface water impoundments or lakes,
- public bathing areas, and
- shellfish growing waters.

Points for toxics indicate the relative magnitude of ammonia, metals, pesticides and organic chemicals in the water body. Toxics were also given the lower points since in most cases the significant contributions of toxic substances come from industrial and nonpoint sources and are therefore not significantly abated by municipal treatment facilities. In the case of the toxicity of ammonia, municipal facilities are usually the main source, but the most significant impact is associated with those streams designated for trout production/maintenance (a category which already receives a high number of points under the "water use" subranking).

B. Project Discharge Priorities

To assign discharge priority scores, each project was subdivided into distinct project segments. The individual segments received the discharge category points associated with each segment. Therefore, a comprehensive project for upgrading an existing inadequate secondary discharge, rehabilitating a stormwater detention/retention basin and rehabilitating existing sewers would be listed as three separate segments with different discharge point scores assigned to each based upon the existing pollution conditions that would be alleviated.

The methodology involves evaluating the existing discharge conditions to determine which of the following categories most properly describes the existing situation. The categories are listed in order of priority. If a project fell into more than one category, the highest score, for the significant components of the project, was awarded.

1. Combined Sewer Overflow (CSO) projects (250 points) - This category includes projects to correct combined sewer overflow conditions. The study of such projects is extremely complex, requiring comparisons of various treatment alternatives and the associated cost with benefits gained in terms of water quality improvements. The points assigned to CSO remediation projects reflects the impact these systems are known to have on water quality. The discharge of untreated sewage during wet weather events is an inherent feature of such systems. The high ranking of CSO remediation projects will assist in the elimination of the discharge of untreated sewage and in the Department's goal of maintaining and improving the state's water quality.

2. I/I Correction - Overflowing Sewers (250 points) - This category of projects includes projects which will remove quantities of infiltration/inflow (I/I) which can economically be eliminated from the sewer system as determined in a cost effectiveness analysis that compares the cost of correcting the infiltration/inflow conditions to the total cost of transportation and treatment of the infiltration/inflow. The infiltration/inflow of these projects result in raw sewage discharges through intermittent hydraulic overloading of the conveyance system and have documented water quality impacts. Also included in this category are those projects which propose the construction of a new interceptor to relieve a hydraulically overloaded system which results in a major discharge of raw or inadequately treated wastewater for transport directly to another interceptor or to a treatment plant.

   Interconnection/Cross-Connection abatement projects may also qualify under this category, such as in instances where a municipality's final map or monitoring identifies an I/C and documented water quality/water use impairments exist.

3. Inadequate Secondary Treatment (200 points) - The projects in this category are to upgrade or eliminate existing wastewater treatment facility discharges that cannot meet secondary treatment standards. Included in this category are those facilities which due to process limitations are incapable of meeting secondary treatment standards. Also included in this category are wastewater treatment facilities which are incapable of meeting permit standards for secondary treatment due to intermittent hydraulic overloading. Projects involving hydraulic overloading which is a result of infiltration/inflow (and which, as a result of a cost effectiveness analysis that compares the cost of correcting the infiltration/inflow (I/I) conditions to the total cost of transportation and treatment of the I/I indicates that it is more economical to transport and treat the I/I than to eliminate the I/I) would be included in this category.

   Projects have been segmented, where appropriate, such that they will only provide service for existing discharges plus adequate reserve capacity, where eligible, based upon the cost effectiveness analysis. Project segments for new service areas will be included in 5 below. Exceptions will be made where additional flows (including flows as a result of the expansion of the existing service area) are necessary for the proposed system to be cost effective and operable. Under these circumstances, eligible conveyance systems may be included within the scope of the financial assistance agreement.

4. Sludge Treatment and Disposal Facilities (100 points) - The projects in this category are for the construction of sludge treatment and disposal facilities. This includes projects to serve existing wastewater treatment facilities that received funding under the federal Construction Grants Program or the state's Wastewater Treatment Financing Program.

5. New Systems (50 points) - This category of projects includes new collection/ conveyance systems, on-site management projects and new or expanded sewage treatment plants for the primary purpose of providing service for new wastewater flows. This category also includes septage treatment facilities.

6. I/I Correction (50 points) - This category includes all infiltration/inflow correction projects which will remove quantities of infiltration/inflow which can be economically eliminated from the sewer system as determined in a cost effectiveness analysis that compares the cost of correcting the infiltration/inflow conditions to the total cost for transportation and treatment of the infiltration/inflow. This category includes all other I/I correction projects for removing excessive system flows that are not included in 2 or 3 above. The point assignment for I/I correction

projects with no direct surface water quality impacts reflects the impacts that excessive I/I has on the integrity of a wastewater treatment system as a whole. Excessive I/I is responsible for (1) diluting wastewater to the point that the treatment facilities are frequently unable to satisfy the percent removal requirements of their NJPDES permit and (2) occupying capacity within a wastewater treatment system that could otherwise be used for alternative purposes.

Also included in this category of projects are interconnection/cross-connection abatement projects which have not completed final mapping and have not identified an I/C.

7. Advanced (More Stringent) Wastewater Treatment Facilities/ Stormwater/Nonpoint Source Management Projects (25 points) - This category includes projects to upgrade adequate secondary facilities to provide advanced wastewater treatment. In addition, the construction of stormwater/nonpoint source management projects, such as regional stormwater basins, the rehabilitation of existing stormwater sewer systems or existing basins, extending stormwater outfall pipes, repairing or replacing tide gates or pump stations, the purchase of stormwater system maintenance equipment, salt storage structures/runoff control systems, feedlot manure/runoff control systems and other construction projects that will have water quality benefits are included in this discharge category.

C. State Planning Commission

The purpose of this category is to provide an incentive for project areas to pursue approvals from the State Planning Commission. In consultation with the State Planning Commission, the Department has adopted the following point assignments for those projects that serve municipalities which have received approval under the Center Designation Process by the State Planning Commission:

<u>PLANNING AREA 1</u>	
Urban Centers	7.5 points
Regional Centers and Towns	5.0 points
<u>PLANNING AREA 2</u>	
Existing Designated Regional Centers and Towns	7.5 points
Planned Regional Centers	5.0 points
Existing and Planned Villages	2.5 points
<u>PLANNING AREA 3</u>	
Existing Regional Centers and Towns	7.5 points
Existing Villages	2.5 points
<u>PLANNING AREAS 4 and 5</u>	
Existing Regional Centers	7.5 points
Towns and Existing Villages	2.5 points

In addition to points for approval under the Center Designation Process, the Department has included additional point awards as follows:

Distressed Municipality with an endorsed Strategic Revitalization Plan	10.0 points
Multi-Jurisdictional Center	3.0 points

For a project serving more than one municipality, the State Planning Commission points will be included for ranking purposes if the designated center is a significant component of the overall project.

These point assignments are consistent with the infrastructure priorities established by the State Planning Commission in the State Development and Redevelopment Plan dated June 12, 1992. For further information regarding the Center Designation Process, please contact the New Jersey Office of State Planning, Department of Treasury, 33 West State Street, 9th Floor, CN 204, Trenton, NJ, 08625-0204, or call at (609) 292-7156.

D. Population Difference

To further rank projects with identical base scores, a population differential was used which assessed additional points based upon the population served by the project (i.e., the population of the service area divided by one million). Therefore, projects with identical scores were ranked in descending order and assigned a unit population difference between the initial score and the next highest score. It should be noted that application of the population differential will not cause any project to be ranked above a project with a higher initial score. In cases where both year-round and seasonal (peak) populations are given, the year-round population will be used for ranking purposes.

E. Public Health Hazard (PHH) Bypass

In instances where project conditions are determined to constitute a public health hazard by the Commissioner of the Department of Environmental Protection in consultation with the Commissioner of the Department of Health, the project will receive funding priority over other projects on the Priority List under the Wastewater Treatment Financing Program. However, it should be noted that consideration under this section does not exempt project sponsors from the Department-established deadlines and requirements under the state's financial assistance program. A procedure for reviewing PHH Bypass eligibility has been adopted in prior years' Priority Systems and includes consideration of such factors as the extent of the wastewater problems, including the known incidences of sewage-borne disease in the problem area, the number of wells that are contaminated in the problem area, the number of homes or other building structures that experience sewage back-up into

the occupied areas of the structure and other factors. The provisions in the FFY96 Priority System regarding PHH Bypass consideration are incorporated in the FFY97 Priority System by reference.

Requests for PHH Bypass eligibility received on or before March 29, 1996 receive high priority for staff review to permit processing of the bypass and loan award within SFY98. Sponsors of such PHH Bypass projects should be aware of the pre-award provisions in the Intended Use Plan which allows sponsors to begin construction prior to loan award (a fast-track approach).

INTENDED USE PLAN

This Intended Use Plan provides information on funds available through the Wastewater Treatment Financing Program to provide financial assistance for projects in SFY98. The Intended Use Plan identifies state policies governing SRF loan awards and includes information on the following: (a) the list of projects to be used for funding purposes, (b) the long and short term goals of the state's program, (c) the programmatic activities to be supported with the anticipated funds, (d) the timing and use of such funds, (e) the criteria and method of distribution of the funds and (f) provisions for interim reporting (as required by the Regional Administrator at the time of capitalization grant award).

Programmatic requirements imposed by the Water Quality Act of 1987 include:

A. The schedule of state capitalization grant payments will be jointly agreed upon by the Administrator of USEPA and each state and will be based upon the state's Intended Use Plan. States are required to deposit in the SRF, from state monies, an amount equal to at least 20 percent of the total amount of all capitalization grants which will be made to the state.

B. The fund created with federal capitalization grants can only be used to provide assistance for the construction of publicly owned treatment works, as well as for the implementation of a nonpoint source management program, which includes construction financing of stormwater/nonpoint source management facilities, and the development and implementation of an estuary conservation and management plan.

C. Monies in the SRF may be used to provide loans at or below market interest rates, for terms not greater than 20 years (after completion of construction). Repayments must begin no later than 1 year after completion of the project and must be credited to the SRF (principal and interest) for Title VI purposes. The recipient of a loan must establish a dedicated source of repayments. The Act also authorized the

use of federal SRF monies to refinance local debt obligations, provide guarantees or purchase insurance.

D. Through FFY94, states were required to reserve the greater of $100,000 or one percent of its annual allotment for the development and implementation of nonpoint source pollution management programs. This reserve may be re-enacted or otherwise modified for FFY97 as a result of reauthorization of the Clean Water Act or subsequent federal guidance.

E. SRF loans may only be provided for publicly owned wastewater treatment facilities. However, if a unit of government assumes ownership of a wastewater treatment system which was previously privately owned, it may be funded under the authority of section 603(c) of the federal Clean Water Act. At its option, the state may deem the public ownership requirement to be met for small/on-site systems where adequate inspections and operations are assured through the establishment of a management district or use of service easements or agreements. Privately-owned stormwater/non-point source management projects may also qualify for SRF loans provided the project is sponsored by a local government unit.

It is anticipated that these provisions will be maintained in a subsequent federal reauthorization act or federal policy. If substantial changes in the Act necessitate the Department's revision of the FFY97 Priority System, Intended Use Plan and Project Priority List proposal, additional public participation efforts will be conducted.

Additionally, the following is a listing of the major state funding policies.

F. The Department has established the following project document submittal schedule and required all local government units listed or eligible for listing on the FFY97 Project Priority List (for SFY98 loan funding) to advise the Assistant Director, Municipal Wastewater Assistance (in writing, with copies to the Administrator, Permit Information and Assistance and to the Executive Director, New Jersey Wastewater Treatment Trust) prior to the close of the comment period for the FFY97 Priority System/Intended Use Plan/Project Priority List proposal of their intent to commit to the following schedule.

Commitment Letter	March 29, 1996
Planning Documents	April 26, 1996
Design Documents	November 1, 1996
Loan Application	March 3, 1997

Under the FFY97 Priority System (to qualify for FFY97/SFY98 funding), sponsors wishing to take advantage of the second

chance provisions must submit the following items in accordance with the schedule below:

January 10, 1997	Commitment letter
February 3, 1997	Planning and design documents
March 3, 1997	Loan application

An acceptable planning documentation submittal must consist of a complete project report, the appropriate environmental planning documentation for the level of environmental review determined applicable by the Department, complete cultural resources survey documentation, a long term sludge management plan (in cases where the project involves a treatment plant upgrade or expansion), documentation of completed public participation activities, and the results of preliminary coordination activities with lead agencies regarding environmental and permit concerns. In addition, as part of the planning documentation submittal, proof of a final NJPDES permit or a Discharge Allocation Certificate for the project for which the applicant is requesting funding assistance must be submitted. In this way, all final effluent conditions will be known and agreed upon at the time of the submittal of the planning documentation. In order to maximize program flexibility for I/C projects, the Final Map and related information as required under the provisions of N.J.A.C. 7:22A-4.3 must be submitted no later than the planning document submittal deadline of April 26, 1996 (although earlier submittals are encouraged) in order for the proposed project to remain eligible to pursue a loan award in the FFY97/SFY98 funding cycle. The Department intends to notify project sponsors by August 31, 1996 of their eligibility to continue in the design phase based upon the acceptability of the planning documentation submittal of April 26, 1996. Projects with unacceptable planning documentation submittals will be bypassed at this time.

In order to provide better cost estimates to the state's Legislature for incorporation into appropriations bills, project sponsors will be given the opportunity to revise/update the estimated allowable project costs identified on the FFY97 Project Priority List via their April 26, 1996 planning documentation submittal. Further, since the project sponsor's initial loan award may be limited to such cost revision/update, the Department will verify the estimated allowable project costs it intends to include in the January 15, 1997 Report to the Legislature with the project sponsor (through the August 31, 1996 planning documentation acceptance correspondence).

Failure of the local government unit to advise the Assistant Director, Municipal Wastewater Assistance Program in writing of their commitment to the established project document submittal schedule by the close of the comment period for the Proposed FFY97 Priority System, Intended Use

Plan and Project Priority List was interpreted by the Department as a decision by the local government unit to not pursue funding in SFY98. This results in those projects being deemed ineligible for funding in SFY98 at this time and results in a "BEYOND 97" designation for the estimated state certification date on the final Project Priority List. Such projects remain on the Project Priority List and are eligible for funding in future years or as a second chance project.

G. Due to the increasing water quality concerns related to stormwater runoff, the Department and the Trust are expanding the scope of the Wastewater Treatment Financing Program to include construction costs for stormwater/non-point source projects. The Department and the Trust are planning to allocate a minimum of $10 million in Program funds to be dedicated to this project category in FFY97. It is the Department's general view, after consultation with local and regional planners and stormwater managers, that expensive structural retrofits should not be implemented before regional analysis and planning has been completed. Thus, if the project will impact the capacity, hydrology or hydraulics of existing stormwater management facilities, systems or downstream waterbodies, a stormwater management plan (defined as a plan of a scope deemed appropriate for the project's location) must be prepared. Stormwater management planning, a key component of the watershed approach, will assess the overall needs of an area in order to ensure that the projects proposed in that area will improve/maintain water quality in a cost-effective manner. Stormwater management planning differs from the individual project planning which is site-specific and occurs routinely as a component of projects pursuing funding under the Financing Program. While the Program does not provide funding for stormwater management planning, it does provide an allowance based on the building costs for the individual project site-specific planning and design costs.

The following types of projects are eligible for loans, provided a stormwater management plan to assess regional needs has been approved by the Department:

i. new stormwater management systems or facilities;
ii. modifications to existing or construction of new basins or other stormwater management facilities which will significantly change the existing hydraulic capacity;
iii. construction of regional basins;
iv. others as deemed appropriate.

Other stormwater/nonpoint source management projects that are eligible for loans, but generally will not require regional stormwater management plans if they do not significantly change the hydraulic capacity of the system

(but will require site-specific planning appropriate to the proposed scope) include projects such as those listed below:

i. replacing existing storm drains;
ii. purchase or replacement of equipment to reduce floatables such as netting on outfalls;
iii. maintenance equipment purchase, such as leaf collection equipment and street sweepers;
iv. rehabilitating tide gates;
v. extending outfall points;
vi. rehabilitating existing basins or other stormwater systems, including pump stations; and
vii. others as deemed appropriate, if the project will have water quality benefits as a result of construction of the project, such as salt storage structures/runoff control systems, feedlot manure/runoff control systems.

H. Loan awards for new project segments will be made in SFY98 for up to 100 percent of the allowable project costs to cover the low bid building cost and other allowable project costs which are identified in the program rules at N.J.A.C. 7:22-3, 4, and 5. The loan term will generally be 20 years and can not exceed the useful life of the facility. The initial loan amount will be limited to the certified project cost, which may reflect (1) the estimated allowable project cost identified in the Department's August 31, 1996 planning documentation acceptance correspondence, included in the January 15, 1997 Report to the Legislature and as approved in the appropriation bills for that funding cycle, (2) the allowable project costs based on the engineer's estimate in the project sponsor's loan application package and (3) funding based on the low bid building cost. The adjustment to provide funding based on the low bid building cost (as applicable) will be made only after all project-related contracts have been awarded. The adjustment to provide warranted loan increases for differing site conditions will be made only after all allowable project costs have been incurred. Consideration will be given to providing warranted loan increases subject to the Department's and the New Jersey Wastewater Treatment Trust's approval, legislative approval in the form of an appropriations bill(s) providing such monies, and the availability of funds for such purposes. Any dollar changes in cost estimates for projects on the List may result in the Department requesting the local unit to provide a third party's concurrence on the cost change. Should cost underruns occur which result in funds remaining after the low bid building cost adjustment and the completion of construction, budget line item changes may be approved for allowable cost overruns. In this case, administrative/ legal/fiscal costs will not be subject to the three percent limit as specified in the rules; a greater amount could be approved should sufficient funds remain and if sufficient justification and documentation for the higher costs are

submitted and approved. In the event that a recipient receives the Department's approval to reduce the project scope for which funding was awarded through the elimination of a contract (or portion thereof), the eligible project cost (and therefore the financial assistance amount) will be reduced (through the Department's and the Trust's "deobligation") in an amount equal to the estimated cost of that scope of work which was included in the original loan award, in conformance with the provisions of N.J.A.C. 7:22-3, 4 and 5.

I. Planning and design costs of the project are not directly eligible for financial assistance from the New Jersey Wastewater Treatment Financing Program. However, an allowance to assist in defraying the planning and design costs will be provided to a project as a percentage of the allowable building cost, as applicable, upon the execution of the financial assistance agreement if state funding has not otherwise been awarded, such as through the Sewage Infrastructure Improvement Act grants program.

J. All projects must be sized in accordance with the cost effectiveness analysis and, as a minimum, to accommodate not only existing needs but also the amount of reserve capacity which is determined to be cost effective over a 20 year planning period. The recipient's financial assistance will generally be limited to the cost of the project with a capacity based upon flow records and flows anticipated prior to the date of initiation of operation as established in the loan agreement. However, the program's rules (N.J.A.C. 7:22-4.36) allow the borrower to apply for a market rate Trust loan to cover incremental costs related to reserve capacity.

K. Local government units are required to meet the technical and administrative provisions of the rules of the Department and the Trust (N.J.A.C. 7:22-3, 4, 5, 8 and 9). Disbursement and loan repayment requirements must also be consistent with the rules. Additionally, project sponsors must comply with the Environmental Assessment Requirements for State Assisted Wastewater Treatment Facilities (N.J.A.C. 7:22-10).

L. Certain projects are eligible to receive pre-award approvals provided the requirements of the rules (N.J.A.C. 7:22-3.32 and 4.32) are met. This is a significant difference from the federal grant program, since project sponsors may maintain the eligibility of project costs incurred prior to the execution of formal state agreements. However, to maintain the eligibility of such costs, project planning (including the issuance and expiration of an Environmental Assessment prepared by the Department), design and contract documents must be reviewed and approved by the Municipal Wastewater Assistance Program (including issuance of authorization to advertise and award contracts for which

reimbursement is sought). Further, all permits and approvals for the construction of the project must be secured. Note that the receipt of state disbursements for building costs incurred prior to the award of a Fund-SRF loan may not be fully disbursed upon award. As a direct result of federal policy, such costs may be limited to disbursements in equal amounts over the number of quarters over which the state can receive capitalization grant payments (which will generally be eight quarters).

M. Project sponsors should be aware that a goal of not less than 10 percent of the costs for construction, materials or services for a project must be awarded to small business concerns owned and controlled by socially and economically disadvantaged individuals (SEDs) as defined in the Small Business Act (15 U.S.C. 637(a) and (d)) and any rules promulgated pursuant thereto. The Department and the Trust have adopted the SED rules (N.J.A.C. 7:22-9), which identify the SED utilization requirements that project sponsors will have to meet.

N. In instances where the project conditions are determined to constitute a public health hazard by the Commissioner of the Department of Environmental Protection, in consultation with the Commissioner of the Department of Health, a project may receive funding priority over other projects on the Project Priority List.

O. Financial assistance will only be awarded to a distinct project segment that will result, in itself, in an operable treatment works (i.e., not relying on award of funds for additional portions of the project).

Financial assistance awards cannot be made to projects which are under an enforcement action unless a federal or state court-sanctioned order or state administrative order (only accepted in certain cases) specifying a compliance schedule has been established. A copy of the judicial or administrative order will be required at the time of submittal of the project application.

P. In 1988, the New Jersey Legislature passed a bill to establish comprehensive requirements with regard to combined sewer overflows (CSO) throughout the state and stormwater management needs in the four coastal counties of Atlantic, Cape May, Monmouth and Ocean, and established a grant program to promote planning and design of necessary facilities. As CSO facilities are wastewater treatment facilities as defined under section 212 of the Clean Water Act, construction of CSO facilities is readily accommodated within the existing SRF program.

Although it is expected that a number of the affected municipalities in the coastal counties will pursue planning grants under the I/C aspects of the SIIA funding program (if

available), there may be cases in which immediate correction of interconnections/cross-connections may be appropriate. This type of project is included in the Infiltration/Inflow Correction category for funding under the Wastewater Treatment Financing Program. I/C abatement projects eligible for listing on the Priority List include projects located throughout the state which have a need to eliminate or abate an interconnection or cross-connection between a sanitary and stormwater sewer system.

Project sponsors wishing to pursue construction loans in the FFY97/SFY98 financing cycle are required to meet the applicable commitment letter, planning, design and application deadlines as outlined in this FFY97 Priority System, Intended Use Plan and Project Priority List. The Final Map and related information as required under the provisions of N.J.A.C. 7:22A-4.3 must be submitted no later than the planning document submittal deadline of April 26, 1996 (although earlier submittals are encouraged) in order for the proposed project to remain eligible to pursue a loan award in the FFY97/SFY98 funding cycle.

* * *

The short term goal of New Jersey's financing program is to provide funding to needed, high-ranked water quality improvement projects. The long term goal of the program is to establish a sound, self-sufficient, self-perpetuating financing program to assist communities with the financial burden of providing costly wastewater treatment and stormwater/nonpoint source management facilities to meet on-going water quality improvement/ maintenance needs of the state.

As provided for in the January 1988 Initial Guidance for State Revolving Funds, a state that has deposited monies in a dedicated revolving fund after March 7, 1985 and prior to receiving a capitalization grant, may credit these monies toward the match, binding commitments, and equivalency requirements. Since many of the projects certified by the Department in SFY88 through SFY93 qualify under the criteria to bank monies toward the specific requirements, at least a portion of the state monies may be requested to be qualified as bankable to satisfy the SRF's match, binding commitment and equivalency requirements.

In recognition that modifications to the provisions of this Intended Use Plan may occur, the Department may provide updates of the Plan to the USEPA and will submit an Annual Report representing the actual use of the SRF funds to the USEPA in accordance with the requirements of the Water Quality Act of 1987 and Agency guidance.

Wastewater Treatment Financing Program Schedule

DATE	ACTION
March 26, 1996	-Public hearing on FFY97 Priority System, Intended Use Plan and Project Priority List proposal
March 29, 1996	-Close of comment period -Wastewater project commitment letters due -PHH Bypass requests due
April 26, 1996	- FFY97 Applicants submit all planning documents (i.e., project report) to DEP, including DAC or final NJPDES permit or, in the case of an I/C project, a Final Map
August 31, 1996	-DEP notifies project sponsors of acceptability of planning documentation submittal and verifies estimated allowable project costs
November 1, 1996	-FFY97 Applicants submit all design documents to DEP
on or before January 15, 1997	-DEP/Trust submits list of projects (based on Priority System ranking methodology) to Legislature for forthcoming State Fiscal Year
March 3, 1997	-FFY97 Applicants submit complete loan application to DEP/Trust
on or before April 1, 1997	-Legislature approves appropriation and authorization bills for project funding for FFY97 projects
on or before May 15, 1997	-Financial Plan for forthcoming State Fiscal Year submitted by DEP/Trust to Legislature
on or before July 1, 1997	-Legislature acts on Financial Plan
July 1, 1997	-DEP/Trust transmit draft loan agreements to qualifying applicants
On or after September 15, 1997	-Trust financial transactions complete -Execute DEP/Trust loan agreements

SEWAGE INFRASTRUCTURE IMPROVEMENT ACT GRANTS PROGRAM

The Sewage Infrastructure Improvement Act (N.J.S.A. 58:25-25; the SIIA) was passed by the New Jersey State Legislature on August 3, 1988, to address both point and nonpoint sources of pollution. The SIIA is broad in its terms, establishing comprehensive requirements with respect to combined sewer overflow (CSO) abatement and stormwater management, both on the Department as well as municipalities/other public entities. The SIIA also established a fund known as the "Municipal Stormwater Management and Combined Sewer Overflow Abatement Assistance Fund" and appropriated $33.5 million for the Fund. In lieu of any shortfalls in these funds, the Department may use funds available under the Stormwater Management and Combined Sewer Overflow Abatement Bond Act of 1989 to provide grant funds for such purposes. The Department has adopted rules to implement the Preliminary Mapping aspects at N.J.A.C. 7:22A-3, Final Mapping aspects at N.J.A.C. 7:22A-4, Combined Sewer Overflow Planning and Design Grant aspects at N.J.A.C. 7:22A-6 and Interconnection/Cross-Connection Abatement Planning and Design Grant aspects at N.J.A.C. 7:22A-7.

The grant program for planning and design activities established by the SIIA is independent of the Wastewater Treatment Financing Program. Discussion of the SIIA program and establishment of application deadlines have been included in this document to take advantage of the wide public access to the Priority System. Further, while planning and design may be completed through the award of grants under the SIIA, building of needed facilities may be financed through loans awarded under the Wastewater Treatment Financing Program. Loan awards for building CSO and I/C projects may come from various monies available to the Wastewater Treatment Financing Program, including the SRF and non-SRF components, proceeds from the Stormwater Management and Combined Sewer Overflow Abatement Bond Act of 1989 and other bond acts (if their purposes are consistent with the program).

The following sections provide greater information with respect to the specific requirements of the SIIA and the inter-relationship of the existing and new funding programs available under the SIIA and the Wastewater Treatment Financing Program.

I. CSO Abatement

Any public entity operating a CSO system in the state was required by the SIIA to provide appropriate CSO abatement measures as approved by the Department. The Department has defined appropriate CSO abatement measures at this time to include the elimination of dry weather overflows and the reduction of solids and floatables in combined sewer overflows during wet weather events. The funding program established by the SIIA authorized the Department to provide up to 90 percent grants to municipalities and other public entities controlling

or operating CSOs to complete planning and design of necessary facilities. The initial application deadline for CSO abatement planning grants of April 6, 1990 was established in the funding program rules at N.J.A.C. 7:22A-6. The Department has annually provided public notice to entities of subsequent deadlines for submittal of CSO planning and/or design grant applications since FFY92. The Municipal Wastewater Assistance Program is administering the CSO component of the SIIA, and is currently working with a number of municipalities/utilities authorities (primarily in the northeastern portion of the state).

II. Stormwater Management

Under the stormwater mapping and nonpoint source control component, the SIIA requires that all municipalities with stormwater sewer systems discharging into the salt waters of Atlantic, Cape May, Monmouth and Ocean Counties adopt maps of their sanitary and stormwater sewer systems. The maps are required to identify all interconnections and cross-connections between the stormwater and sanitary sewer systems, and indicate whether the cross-connections have received permits from the Department. The 94 affected municipalities are also required to periodically monitor the water quality at the outfall lines of their stormwater sewers in conformance with the requirements at N.J.A.C. 7:22A-4.

Due to the amount of work necessary to meet the requirements of the stormwater mapping and nonpoint source components of the SIIA, the Department decided to approach the stormwater mapping/nonpoint source initiative in a phased manner through three phases. Under Phase I, which is now complete, municipalities developed an inventory and preliminary map of their respective stormwater sewer systems pursuant to the rules adopted by the Department at N.J.A.C. 7:22A-1, 2 and 3. Of the funds available, $1.045 million was allocated for Phase I preliminary mapping.

The next step, Phase II, established requirements and provided grant funds pursuant to the rules adopted by the Department at N.J.A.C. 7:22A-1, 2 and 4 for municipalities to develop detailed Final Maps of their stormwater/sanitary sewer system, locating interconnections and cross-connections and performing monitoring of discharges to salt waters. The Department has signed grant agreements with 85 of the 94 eligible municipalities for Phase II final mapping, for a total of $5.535 million. Legislative approval to provide funding to the remaining nine municipalities utilizing funds from the 1989 Bond Act was approved on January 10, 1996. The Department anticipates that the grant agreements for the remaining nine mapping projects will be executed this calendar year.

While it will take the municipalities three years to fully complete the monitoring work, a Final Map must be generated within one year of receipt of the final mapping grant as per

N.J.A.C. 7:22A-4.2. Subsequent investigative monitoring activities in conformance with the monitoring requirements and priorities established in the rules will enable the affected municipalities to verify and annually update their Final Maps.

Phase III involves the implementation of the nonpoint source pollution aspects of the SIIA. It will be implemented by the Department at some time in the future and will require the affected municipalities to take measures to abate nonpoint pollution sources which, based on the mapping and monitoring efforts, are adversely impacting surface waters.

The mapping and monitoring activities under Phase II will provide a substantial amount of information necessary to properly identify those stormwater outfalls at which interconnections or cross-connections existing within the system results in adverse water quality impacts. In order to continue the progress of the SIIA, the Department developed the next component of the program, for the award of planning and design grants for interconnection/cross-connection abatement facilities. These rules, at N.J.A.C. 7:22A-7, were adopted in the New Jersey Register on August 16, 1993.

An amount of $4.7 million of SIIA monies was targeted for the interconnection/cross-connection abatement aspects of the Act. The interconnection/cross-connection aspects have two distinct components. In the first component, each of the 94 affected municipalities are eligible to apply for an initial planning grant. The amount of the initial grant award will be based on the number of outfalls (as a relative indicator of potential interconnection/cross-connection problems) as follows:

Number of stormwater outfalls in affected municipality	Initial grant amount
0-50	$15,000
51-100	$30,000
Greater than 100	$50,000

Approximately $2.3 million was targeted to be available under the SIIA for the second component or round of grant awards. These grant awards may be for additional planning activities (which were not covered by the initial planning grant) or for design activities. The Department may establish one or more application deadlines for second-round grants.

The Department has established a revised grant application deadline of December 15, 1996. This revised application deadline applies both to initial and second-round planning grant applications. Second-round grants will be prioritized based on a project ranking system (as indicated in N.J.A.C. 7:22A-7.5) which gives highest priority to ocean, then back bay, stormwater discharges in municipalities in which beach closures occurred. Lower priority will be given to projects with stormwater

discharges in those municipalities where no beach closures occurred, and then to projects with discharges to shellfish growing waters.

While the unexpended funds under the SIIA are presently not available, the Department has adopted amendments to the rules which allow the use of the 1989 Bond Act funds to provide grants for various planning and design efforts which were identified in the SIIA.

The Intended Use Plan, item P., gives additional information regarding the availability of construction loans in the current funding cycle in cases in which the immediate correction of an interconnection/cross-connection problem is desired by the project sponsor.

PRIORITY LIST

NEW JERSEY STATE LIBRARY

STATE OF NEW JERSEY
FEDERAL FISCAL YEAR 1997 PROJECT PRIORITY LIST

Rank	Loan /Seq No Recipient	Eligible Category Cost Breakdown (Total Building Costs)							Total Eligible Project Costs	Total State Amount	Est St Cert Date
		Cat 1	Cat 2	Cat 3A	Cat 4B	Cat 3B	Cat 4A	Cat 5			
1	340547-04 RAHWAY VALLEY SA					3,873			5,142		BEYOND97
2	340440-03 FLEMINGTON BOROUGH			850			300		1,585	1,585	T 960730
3 *	340437-07 NEW BRUNSWICK CITY			350		250	1,450		2,782	2,782	T 970730
3 *	340437-08 NEW BRUNSWICK CITY			250		100	720		1,485	1,485	T 970730
5	340435-04 PERTH AMBOY CITY							25,786	32,775		BEYOND97
6	340958-02 GLOUCESTER CITY							1,901	2,645	2,645	T 970730
7	340349-02 PENNSAUKEN TOWNSHIP							1,130	1,560		BEYOND97
7 *	340349-03 PENNSAUKEN TOWNSHIP		2,600					1,400	4,800	4,800	T 970730
9	340488-03 HOPATCONG BOROUGH	1,141			2,213		19,921		29,663		BEYOND97
10	340384-05 MUSCONETCONG SA	13,000	3,000		6,000				28,089		BEYOND97
11	340638-04 BRIDGEWATER TOWNSHIP			1,054					1,465		BEYOND97
12	340747-05 JEFFERSON TOWNSHIP				2,142		12,780		19,158		BEYOND97

NOTE * - PROJECT INCLUDES STORMWATER/NONPOINT SOURCE MANAGEMENT COMPONENTS.

All costs shown are in thousands ($1000's)

Cat 1 - Secondary/Sludge/Septage Treatment
Cat 2 - Advanced Treatment
Cat 3A- Infiltration/Inflow Correction
Cat 3B- Major Sewer System Rehabilitation
Cat 4A- New Collectors & Appurtenances
Cat 4B- New Interceptors & Appurtenances
Cat 5 - Correction of Combined Sewer Overflows

FEDERAL FISCAL YEAR 1997 PROJECT PRIORITY LIST

Rank	Loan /Seq No Recipient	Eligible Category Cost Breakdown (Total Building Costs) Cat 1	Cat 2	Cat 3A	Cat 4B	Cat 3B	Cat 4A	Cat 5	Total Eligible Project Costs	Total State Amount	Est St Cert Date
13	340781-04 RARITAN BOROUGH					225			325		BEYOND97
14	340835-01 ORADELL BOROUGH			204					295		BEYOND97
15	340354-03 PEQUANNOCK,LINCOLN,FAIRFIELD SA				2,749				3,668		BEYOND97
16	340701-03 WEST MILFORD TWP MUA	350		350					985		BEYOND97
17	340768-03 BERGEN COUNTY UA							12,948	16,647		BEYOND97
18	340652-02 NORTH BERGEN TOWNSHIP/HUDSON CO UA			2,000		3,000		10,000	19,257		BEYOND97
19	340652-03 NORTH BERGEN TOWNSHIP/HUDSON CO UA					2,400		1,800	5,570		BEYOND97
20	340418-03 OAKLAND BOROUGH		7,000		15,665		6,095		36,523		BEYOND97
21	340495-03 SPARTA TOWNSHIP	1,470	637						2,853		BEYOND97
22	340925-01 WRIGHTSTOWN (WRIGHTSTOWN MUA)	2,000	900						3,866		BEYOND97
23	340928-01 HUDSON COUNTY UA/JERSEY CITY SA				72,053	207,390			349,385		BEYOND97
24	340942-02 ELIZABETH CITY							7,309	9,493	9,493	T 970730

All costs shown are in thousands ($1000's)

Cat 1 - Secondary/Sludge/Septage Treatment
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Cat 4A- New Collectors & Appurtenances
Cat 4B- New Interceptors & Appurtenances
Cat 5 - Correction of Combined Sewer Overflows

STATE OF NEW JERSEY
FEDERAL FISCAL YEAR 1997 PROJECT PRIORITY LIST

Rank	Loan /Seq No Recipient	Eligible Category Cost Breakdown (Total Building Costs) Cat 1	Cat 2	Cat 3A	Cat 4B	Cat 3B	Cat 4A	Cat 5	Total Eligible Project Costs	Total State Amount	Est St Cert Date
25	340699-05 MIDDLESEX COUNTY UA	179,409							224,459		BEYOND97
26	340399-09 HUDSON COUNTY UA (HOBOKEN)							10,846	14,039		BEYOND97
27	340952-01 HOBOKEN/UNION CITY/WEEHAWKEN SA							78,200	98,565		BEYOND97
28	340299-04 LINDEN-ROSELLE SA				4,199			5,044	12,027		BEYOND97
29	340639-05 RIDGEWOOD VILLAGE				1,520				2,076		BEYOND97
30	340810-03 LOWER TOWNSHIP MUA		2,333						3,135	3,135	T 970730
31	340443-04 EDGEWATER MUA							2,650	3,538		BEYOND97
32	340964-01 WARREN TOWNSHIP SA	3,000							3,997		BEYOND97
33	340483-02 RINGWOOD BOROUGH SA			53	1,375				1,953		BEYOND97
34	340847-02 CLIFFSIDE PARK BOROUGH							715	1,006	1,006	T 970730
35	340430-02 PASSAIC VALLEY SC							79,793	100,558		BEYOND97
35	340689-02 PASSAIC VALLEY SC	20,000							25,608	25,608	T 960730

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FEDERAL FISCAL YEAR 1997 PROJECT PRIORITY LIST

Rank	Loan /Seq No Recipient	Eligible Category Cost Breakdown (Total Building Costs) Cat 1	Cat 2	Cat 3A	Cat 4B	Cat 3B	Cat 4A	Cat 5	Total Eligible Project Costs	Total State Amount	Est St Cert Date
35	340689-01 PASSAIC VALLEY SEWERAGE COMMISSIONERS	245,000							306,321		BEYOND97
35	340689-03 PASSAIC VALLEY SEWERAGE COMMISSIONERS	105,500							132,624	132,624	T 970730
39	340815-05 NEWARK CITY							37,000	46,893		BEYOND97
40	340926-01 PATERSON CITY							1,000	1,397		BEYOND97
41	340699-03 MIDDLESEX COUNTY UA	285,613							357,099		BEYOND97
42	340898-01 HAMILTON TOWNSHIP		8,830						10,686		BEYOND97
43	340399-08 HUDSON COUNTY UA (BAYONNE)							11,510	14,847		BEYOND97
44	340341-03 HARRISON TOWN							3,500	4,653		BEYOND97
45	340716-02 LITTLE FALLS MUA	11,333	3,815						19,446		BEYOND97
46	340503-03 SUSSEX COUNTY MUA (POCHUCK)	4,080	1,020		3,320				10,968		BEYOND97
47	340956-01 DELANCO TOWNSHIP SA/WILLINGBORO MUA	2,160			1,172				4,433	4,433	T 970730
48	340882-03 LAMBERTVILLE SA	8,000							10,427		BEYOND97

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STATE OF NEW JERSEY
FEDERAL FISCAL YEAR 1997 PROJECT PRIORITY LIST

Rank	Loan /Seq No Recipient	Eligible Category Cost Breakdown (Total Building Costs) Cat 1	Cat 2	Cat 3A	Cat 4B	Cat 3B	Cat 4A	Cat 5	Total Eligible Project Costs	Total State Amount	Est St Cert Date
49	340463-06 MEDFORD LAKES BOROUGH		3,105						4,135		BEYOND97
50	340923-01 HACKENSACK CITY							1,700	2,285	2,285	T 970730
51	340453-03 WARREN CO-PAULINSKILL/BLAIRSTOWN	595	411		911				2,608		BEYOND97
52	340712-03 BURLINGTON TOWNSHIP	7,711							10,054	10,054	T 960730
53	340747-04 JEFFERSON TOWNSHIP (ROCKAWAY)				1,136		3,796		6,526		BEYOND97
54	340832-01 HOWELL TWP MUA				443		3,992		5,878		BEYOND97
55	340747-02 JEFFERSON TOWNSHIP	1,428							1,953		BEYOND97
56	340927-02 HAMMONTON TOWN		3,098						4,126	4,126	T 970730
57	340935-01 MANSFIELD TOWNSHIP	700	300						1,397		BEYOND97
58	340386-04 BERGEN COUNTY UA		68,569						86,506		BEYOND97
59	340399-20 HUDSON COUNTY UA(N.B.-CENTRAL)	5,000	15,000						25,607		BEYOND97
60	340336-03 LONG BRANCH SA	644			481				1,554		BEYOND97

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FEDERAL FISCAL YEAR 1997 PROJECT PRIORITY LIST

Rank	Loan /Seq No Recipient	Eligible Category Cost Breakdown (Total Building Costs) Cat 1	Cat 2	Cat 3A	Cat 4B	Cat 3B	Cat 4A	Cat 5	Total Eligible Project Costs	Total State Amount	Est St Cert Date
61	340706-03 WASHINGTON BOROUGH		8,694						14,003	14,003	T 970730
62	340526-05 GLOUCESTER CO UA (MULLICA HILL)	281	168						638		BEYOND97
63	340809-06 ATLANTIC COUNTY UA	6,283							8,212	8,212	T 970730
64	340684-04 NORTHEAST MONMOUTH COUNTY RSA	18,500		250		250			24,339	24,339	T 970730
65	340463-05 EVESHAM MUA (WOODSTREAM)	2,550	52	102	2,713				7,132		BEYOND97
66	340639-03 RIDGEWOOD VILLAGE				12,600				16,204		BEYOND97
67	340941-01 SUSSEX COUNTY MUA		5,000						6,615		BEYOND97
68	340463-04 MEDFORD TOWNSHIP	2,000	10,000	200	500	2,800			19,893		BEYOND97
69	340870-02 PENNSVILLE SA	1,557				800			3,165		BEYOND97
70	340526-06 GLOUCESTER CO UA (GIBBSTOWN)	1,122	561						2,295		BEYOND97
71	340965-01 ALLOWAY TOWNSHIP/QUINTON TOWNSHIP						7,640		9,963		BEYOND97
72	340948-02 OLD TAPPAN BOROUGH						6,500		8,493		BEYOND97

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STATE OF NEW JERSEY
FEDERAL FISCAL YEAR 1997 PROJECT PRIORITY LIST

Rank	Loan /Seq No Recipient	Eligible Category Cost Breakdown (Total Building Costs) Cat 1	Cat 2	Cat 3A	Cat 4B	Cat 3B	Cat 4A	Cat 5	Total Eligible Project Costs	Total State Amount	Est St Cert Date
73	340738-03 WYCKOFF TOWNSHIP				1,122		10,098		14,494		BEYOND97
74	340917-01 DELAWARE TOWNSHIP MUA		800			300			1,523		BEYOND97
75	340652-01 NORTH BERGEN TOWNSHIP/HUDSON CO UA				1,800		1,000	200	3,997		BEYOND97
76	340823-01 WATCHUNG BOROUGH				83		744		1,160		BEYOND97
77	340780-03 WANAQUE VALLEY RSA	2,000							2,719		BEYOND97
78	340518-03 BUENA BOROUGH MUA	2,152							2,909	2,909	T 970730
79	340900-01 HUDSON COUNTY UA (AREA I)						21,091		26,963		BEYOND97
80	340683-05 PASSAIC VALLEY SC	105,400							132,506		BEYOND97
81	340686-03 ESSEX-UNION JOINT MEETING	15,000							19,257		BEYOND97
82	340686-02 ESSEX-UNION JOINT MEETING	8,400							10,942		BEYOND97
83	340687-05 BERGEN COUNTY UA	29,802							37,835		BEYOND97
84	340640-06 CAMDEN COUNTY MUA	68,350							86,232		BEYOND97

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FEDERAL FISCAL YEAR 1997 PROJECT PRIORITY LIST

Rank	Loan /Seq No Recipient	Eligible Category Cost Breakdown (Total Building Costs) Cat 1	Cat 2	Cat 3A	Cat 4B	Cat 3B	Cat 4A	Cat 5	Total Eligible Project Costs	Total State Amount	Est St Cert Date
85	340818-04 BURLINGTON COUNTY BOARD OF FREEHOLDERS	7,781							10,145	10,145	T 970730
86	340809-05 ATLANTIC COUNTIES UTILITIES AUTHORITY	2,140							2,895		BEYOND97
86	340405-04 ATLANTIC COUNTY UA	15,275							19,606		BEYOND97
88	340399-15 HUDSON COUNTY UA	15,603							20,024		BEYOND97
89	340547-05 RAHWAY VALLEY SA	3,356							4,465		BEYOND97
90	340821-03 ROCKAWAY VALLEY REG SA	12,531							16,116		BEYOND97
91	340700-07 NORTHWEST BERGEN COUNTY UA	5,150							6,802	6,802	T 970730
92	340886-01 PARSIPPANY-TROY HILLS TWP	1,001							1,398		BEYOND97
93	340661-06 CAPE MAY COUNTY MUA	9,457							12,302		BEYOND97
94	340400-04 STONY BROOK REGIONAL SA	8,095							10,549		BEYOND97
95	340390-05 WANAQUE VALLEY REG SA	10,000	6,000	1,000	3,000				25,608		BEYOND97
96	340929-01 WAYNE TOWNSHIP						1,360		1,861		BEYOND97

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FEDERAL FISCAL YEAR 1997 PROJECT PRIORITY LIST

Rank	Loan /Seq No Recipient	Eligible Category Cost Breakdown (Total Building Costs) Cat 1	Cat 2	Cat 3A	Cat 4B	Cat 3B	Cat 4A	Cat 5	Total Eligible Project Costs	Total State Amount	Est St Cert Date
97	340953-01 JACKSON TOWNSHIP MUA				6,100				7,976	7,976	T 960730
98	340895-02 WINSLOW TWP						2,003		2,722	2,722	T 960730
99	340820-03 LONG BRANCH SA	2,824							3,766		BEYOND97
100	340819-02 MT HOLLY SA	3,920							5,204		BEYOND97
101	340526-03 GLOUCESTER CO UA (MONROE)	1,310	562		281				2,911		BEYOND97
102	340897-01 SOUTH BRUNSWICK TOWNSHIP						896		1,255		BEYOND97
103	340478-05 ROCKAWAY TOWNSHIP	5,549			1,087		6,990		17,511		BEYOND97
104	340883-01 ASBURY PARK CITY	527							692		BEYOND97
105	340931-02 MONTVILLE TOWNSHIP MUA						12,820		16,484		BEYOND97
106	340650-03 MANCHESTER TWP				687		6,185		8,973		BEYOND97
107	340382-02 BERNARDS TOWNSHIP SA						380		542		BEYOND97
108	340461-04 GLOUCESTER COUNTY UA (FRANKLIN TWP)				4,216		1,265		7,211		BEYOND97

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FEDERAL FISCAL YEAR 1997 PROJECT PRIORITY LIST

Rank	Loan /Seq No Recipient	Eligible Category Cost Breakdown (Total Building Costs) Cat 1	Cat 2	Cat 3A	Cat 4B	Cat 3B	Cat 4A	Cat 5	Total Eligible Project Costs	Total State Amount	Est St Cert Date
109	340418-05 OAKLAND BOROUGH				5,950		26,250		40,855		BEYOND97
110	340905-01 RINGWOOD BOROUGH S.A.	6,324		105	1,265		3,162		14,051		BEYOND97
111	340745-02 VERNON TWP						5,050		6,677		BEYOND97
112	340434-02 WANAQUE BOROUGH				104		108		307		BEYOND97
113	340592-03 MAHWAH TOWNSHIP					182	6,862		9,194		BEYOND97
114	340352-01 FLORENCE TOWNSHIP	1,246							1,708	1,708	T 960730
115	340760-03 WANTAGE TWP						402		573		BEYOND97
116	340403-04 CHATHAM TOWNSHIP				2,040		1,326		4,478		BEYOND97
117	340634-03 BLOOMINGDALE BOROUGH				250		2,592		3,790		BEYOND97
118	340569-02 BYRAM TOWNSHIP				795		705		2,049	2,049	T 960730
119	340909-01 UPPER SADDLE RIVER, BOROUGH OF				99		892		1,385		BEYOND97
120	340404-05 PASSAIC TWP				1,122		10,099		14,496		BEYOND97

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STATE OF NEW JERSEY
FEDERAL FISCAL YEAR 1997 PROJECT PRIORITY LIST

Rank	Loan /Seq No Recipient	Eligible Category Cost Breakdown (Total Building Costs) Cat 1	Cat 2	Cat 3A	Cat 4B	Cat 3B	Cat 4A	Cat 5	Total Eligible Project Costs	Total State Amount	Est St Cert Date
121	340944-01 CHESTERFIELD TOWNSHIP	5,200	1,710		7,000				17,899		BEYOND97
122	340650-05 MANCHESTER TOWNSHIP						10,644		13,792		BEYOND97
123	340705-03 CARLSTADT SA				374		3,652		5,342		BEYOND97
124	340805-02 MILFORD BOROUGH	2,604		456					4,076		BEYOND97
125	340607-03 PLUMSTED TWP MUA	2,000	1,850		1,350		7,750		16,650		BEYOND97
126	340737-01 MAHWAH TOWNSHIP	158							230		BEYOND97
127	340759-02 SUSSEX CO-BRANCHVILLE/FRANKFORD	2,213							2,986		BEYOND97
128	340489-03 WHARTON BOROUGH				42		379		599		BEYOND97
129	340790-02 BERLIN TOWNSHIP						600		847		BEYOND97
130	340915-02 HIGHTSTOWN BOROUGH	569							805		BEYOND97
131	340742-02 FRANKFORD TWP				200		1,807		2,727		BEYOND97
132	340857-01 ATLANTIC HIGHLANDS BOROUGH					616	88		990	990	T 960730

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Rank	Loan /Seq No Recipient	Eligible Category Cost Breakdown (Total Building Costs) Cat 1	Cat 2	Cat 3A	Cat 4B	Cat 3B	Cat 4A	Cat 5	Total Eligible Project Costs	Total State Amount	Est St Cert Date
133	340568-02 BLAIRSTOWN TWP						1,092		1,513		BEYOND97
134	340945-04 OLD BRIDGE MUA				20,400		5,590		33,032		BEYOND97
135	340466-03 DENVILLE TOWNSHIP				1,439		12,737		18,210		BEYOND97
136	340951-01 WASHINGTON TOWNSHIP MUA	3,600					7,849		14,772	14,772	T 960730
137	340498-01 MINE HILL TOWNSHIP				290		2,838		4,166	4,166	T 970730
138	340927-03 HAMMONTON TOWN				952		2,800		4,989		BEYOND97
139	340729-01 RIVERDALE BOROUGH				112		1,161		1,744		BEYOND97
140	340473-01 RIVERDALE BOROUGH				3,265				4,345		BEYOND97
141	340592-06 MAHWAH TOWNSHIP					275	3,896		5,532		BEYOND97
142	340778-03 WEST PATERSON BOROUGH						1,437		1,965		BEYOND97
143	340822-02 PEAPACK & GLADSTONE BOROUGH		1,033						1,439		BEYOND97
144	340838-01 EVESHAM MUA	2,747							3,671		BEYOND97

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Rank	Loan /Seq No Recipient	Eligible Category Cost Breakdown (Total Building Costs) Cat 1	Cat 2	Cat 3A	Cat 4B	Cat 3B	Cat 4A	Cat 5	Total Eligible Project Costs	Total State Amount	Est St Cert Date
145	340946-02 STAFFORD MUA						6,100		7,978		BEYOND97
146	340487-02 KINNELON BOROUGH				673		6,968		9,964		BEYOND97
147	340872-01 HOPE TOWNSHIP	356							509		BEYOND97
148	340480-06 PEQUANNOCK TOWNSHIP				865		6,287		9,334		BEYOND97
149	340638-03 BRIDGEWATER TOWNSHIP				133	52	1,482		2,273		BEYOND97
150	340930-01 WASHINGTON TOWNSHIP						2,496		3,407		BEYOND97
151	340650-06 MANCHESTER TOWNSHIP						2,500		3,340		BEYOND97
152	340875-01 VOORHEES TOWNSHIP					237	4,218		5,904	5,904	T 970730
153	340485-04 RARITAN TOWNSHIP MUA	6,570							8,583		BEYOND97
154	340619-03 UPPER TWP (STRATHMERE)				171		1,536		2,333		BEYOND97
155	340480-05 PEQUANNOCK TOWNSHIP				176		4,662		6,404		BEYOND97
156	340740-02 BRANCHVILLE BOROUGH						2,315		3,113		BEYOND97

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FEDERAL FISCAL YEAR 1997 PROJECT PRIORITY LIST

Rank	Loan /Seq No Recipient	Eligible Category Cost Breakdown (Total Building Costs) Cat 1	Cat 2	Cat 3A	Cat 4B	Cat 3B	Cat 4A	Cat 5	Total Eligible Project Costs	Total State Amount	Est St Cert Date
157	340961-01 SOUTHAMPTON TOWNSHIP						1,806		2,461		BEYOND97
158	340892-02 GALLOWAY TOWNSHIP				2,108		2,192		5,701		BEYOND97
159	340724-04 MORRIS TOWNSHIP						1,682		2,293	2,293	T 960730
160	340959-02 NORTH ARLINGTON BOROUGH						500		709		BEYOND97
161	340831-01 SHAMONG TWP	1,988							2,703		BEYOND97
162	340836-01 PLAINSBORO TOWNSHIP				153		1,377		2,089		BEYOND97
163	340839-01 FRANKLIN TWP SA				610		544		1,590		BEYOND97
164	340918-01 CLAYTON BOROUGH(SILVER LAKE)						491		696		BEYOND97
165	340870-01 PENNSVILLE SA						1,581		2,158		BEYOND97
166	340833-01 BUENA BOROUGH MUA	509							721		BEYOND97
167	340480-03 PEQUANNOCK TOWNSHIP						1,200		1,646	1,646	T 960730
168	340594-02 LINCOLN PARK BOROUGH				319		2,870		4,246		BEYOND97

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Rank	Loan /Seq No Recipient	Eligible Category Cost Breakdown (Total Building Costs) Cat 1	Cat 2	Cat 3A	Cat 4B	Cat 3B	Cat 4A	Cat 5	Total Eligible Project Costs	Total State Amount	Est St Cert Date
169	340945-01 OLD BRIDGE MUA						1,385		1,895		BEYOND97
170	340957-01 FAIRFIELD TOWNSHIP						400		570		BEYOND97
171	340781-03 RARITAN BOROUGH						387		552		BEYOND97
172	340433-08 WOODBRIDGE TOWNSHIP						25		37		BEYOND97
173	340850-01 PATERSON CITY			274		21,862			28,257		BEYOND97
174	340942-01 ELIZABETH CITY			349		1,968			3,478	3,478	T 960730
175	340437-03 NEW BRUNSWICK CITY				1,830				2,491		BEYOND97
175	340437-09 NEW BRUNSWICK CITY			50	350	900			1,781	1,781	T 970730
177	340889-01 DOVER TOWN			664					936		BEYOND97
178	340921-02 MILLVILLE CITY			4,250			2,300		8,573	8,573	T 960730
179	340680-05 MIDDLESEX COUNTY UA	1,018							1,420		BEYOND97
180	340637-04 MIDDLESEX COUNTY UA			15,618					20,044		BEYOND97

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Cat 5 - Correction of Combined Sewer Overflows

FEDERAL FISCAL YEAR 1997 PROJECT PRIORITY LIST

Rank	Loan /Seq No Recipient	Eligible Category Cost Breakdown (Total Building Costs) Cat 1	Cat 2	Cat 3A	Cat 4B	Cat 3B	Cat 4A	Cat 5	Total Eligible Project Costs	Total State Amount	Est St Cert Date
181	340768-02 BERGEN COUNTY UA			12,184					15,674		BEYOND97
182	340709-02 CAMDEN COUNTY MUA			12,184					15,674	15,674	T 970730
183	340817-02 MT HOLLY SA	1,102							1,525		BEYOND97
184	340806-03 PARSIPPANY-TROY HILLS TWP	246							355		BEYOND97
185	340547-03 RAHWAY VALLEY SA			4,482					5,939		BEYOND97
186	340902-01 GLOUCESTER COUNTY UA	3,723							4,946		BEYOND97
187	340801-03 SOMERSET-RARITAN VALLEY SA	1,054							1,465		BEYOND97
188	340834-01 NUTLEY TOWNSHIP					1,549			2,115		BEYOND97
189	340756-02 ROCKAWAY VALLEY REG SA			4,482					5,939		BEYOND97
190	340700-06 NORTHWEST BERGEN CO UA			6,076					7,945		BEYOND97
191	340641-01 CAMDEN CITY					106			166		BEYOND97
192	340366-01 CAMDEN CITY					106		925	1,353	1,353	T 970730

All costs shown are in thousands ($1000's)

Cat 1 - Secondary/Sludge/Septage Treatment
Cat 2 - Advanced Treatment
Cat 3A- Infiltration/Inflow Correction
Cat 3B- Major Sewer System Rehabilitation
Cat 4A- New Collectors & Appurtenances
Cat 4B- New Interceptors & Appurtenances
Cat 5 - Correction of Combined Sewer Overflows

FEDERAL FISCAL YEAR 1997 PROJECT PRIORITY LIST

Rank	Loan /Seq No Recipient	Eligible Category Cost Breakdown (Total Building Costs) Cat 1	Cat 2	Cat 3A	Cat 4B	Cat 3B	Cat 4A	Cat 5	Total Eligible Project Costs	Total State Amount	Est St Cert Date
193	340843-01 EAST ORANGE CITY			144		1,759			2,589		BEYOND97
194	340844-01 CLIFTON CITY			11,444					14,767		BEYOND97
195	340949-02 PLAINFIELD, N. PLAINFIELD, DUNELLEN JM					4,500			5,962		BEYOND97
196	340433-04 WOODBRIDGE TOWNSHIP			807					1,132		BEYOND97
197	340949-01 PLAINFIELD, N. PLAINFIELD, DUNELLEN JM					1,025			1,429		BEYOND97
198	340804-03 SALEM COUNTY BD OF CHOSEN FREEHOLDERS	5,162							6,816		BEYOND97
199	340845-01 PASSAIC CITY			393		3,625			5,332		BEYOND97
200	340364-01 GLOUCESTER TOWNSHIP MUA					1,100			1,541	1,541	T 970730
201	340700-05 NORTHWEST BERGEN CO UA	1,683							2,295		BEYOND97
202	340393-07 WAYNE TOWNSHIP			1,500					2,049		BEYOND97
203	340410-04 NEPTUNE TWP SA			3,369					4,482		BEYOND97
204	340865-01 WEST ORANGE TOWNSHIP				847	8,466			12,117		BEYOND97

All costs shown are in thousands ($1000's)

Cat 1 - Secondary/Sludge/Septage Treatment
Cat 2 - Advanced Treatment
Cat 3A- Infiltration/Inflow Correction
Cat 3B- Major Sewer System Rehabilitation
Cat 4A- New Collectors & Appurtenances
Cat 4B- New Interceptors & Appurtenances
Cat 5 - Correction of Combined Sewer Overflows

FEDERAL FISCAL YEAR 1997 PROJECT PRIORITY LIST

Rank	Loan /Seq No Recipient	Eligible Category Cost Breakdown (Total Building Costs)							Total Eligible Project Costs	Total State Amount	Est St Cert Date
		Cat 1	Cat 2	Cat 3A	Cat 4B	Cat 3B	Cat 4A	Cat 5			
205	340832-02 MANASQUAN RIVER REG SA				3,467				4,610		BEYOND97
206	340837-01 MONTCLAIR TOWN			290		1,144		95	2,088		BEYOND97
207	340969-01 BERKELEY TOWNSHIP			2,000					2,719		BEYOND97
208	340954-01 CHERRY HILL TOWNSHIP					456	456		1,276		BEYOND97
209	340853-01 FORT LEE BOROUGH					481			683		BEYOND97
210	340859-01 ORANGE CITY					685			965		BEYOND97
211	340649-02 PEMBERTON TOWNSHIP MUA	5,000			750	3,500	750		13,800		BEYOND97
212	340336-05 LONG BRANCH SA			1,000					1,397		BEYOND97
213	340895-01 WINSLOW TWP						1,473		2,013		BEYOND97
214	340769-02 BERGEN COUNTY UA (TRIBORO)			1,150					1,585		BEYOND97
215	340639-07 RIDGEWOOD VILLAGE	2,189		2,375					6,046		BEYOND97
216 *	340378-01 BERGENFIELD BOROUGH		200			300			661	661	T 970730

NOTE * - PROJECT INCLUDES STORMWATER/NONPOINT SOURCE MANAGEMENT COMPONENTS.

All costs shown are in thousands ($1000's)

Cat 1 - Secondary/Sludge/Septage Treatment
Cat 2 - Advanced Treatment
Cat 3A- Infiltration/Inflow Correction
Cat 3B- Major Sewer System Rehabilitation
Cat 4A- New Collectors & Appurtenances
Cat 4B- New Interceptors & Appurtenances
Cat 5 - Correction of Combined Sewer Overflows

FEDERAL FISCAL YEAR 1997 PROJECT PRIORITY LIST

Rank	Loan /Seq No Recipient	Eligible Category Cost Breakdown (Total Building Costs) Cat 1	Cat 2	Cat 3A	Cat 4B	Cat 3B	Cat 4A	Cat 5	Total Eligible Project Costs	Total State Amount	Est St Cert Date
217	340858-01 CRANFORD TOWNSHIP			443					630		BEYOND97
218	340715-03 MADISON-CHATHAM JOINT MEETING			553					782		BEYOND97
219	340866-01 SOUTH BRUNSWICK TOWNSHIP			260					374		BEYOND97
220	340968-01 HAZLET TOWNSHIP			400					570		BEYOND97
221	340443-05 EDGEWATER BOROUGH			366		1,935			3,088		BEYOND97
222	340906-03 HILLSIDE TOWNSHIP			190		601			1,110		BEYOND97
223	340950-01 SOUTH PLAINFIELD BOROUGH				7,812				10,185	10,185	T 970730
224	340945-05 OLD BRIDGE MUA					1,750			2,385	2,385	T 970730
225	340939-01 CARTERET BOROUGH			900		1,100			2,719		BEYOND97
226	340960-01 NORTH PLAINFIELD BOROUGH			500					709		BEYOND97
227	340829-01 BRIDGETON CITY			328					470		BEYOND97
228	340863-01 ELMWOOD PARK BOROUGH			94		683			1,091		BEYOND97

All costs shown are in thousands ($1000's)

Cat 1 - Secondary/Sludge/Septage Treatment
Cat 2 - Advanced Treatment
Cat 3A- Infiltration/Inflow Correction
Cat 3B- Major Sewer System Rehabilitation
Cat 4A- New Collectors & Appurtenances
Cat 4B- New Interceptors & Appurtenances
Cat 5 - Correction of Combined Sewer Overflows

FEDERAL FISCAL YEAR 1997 PROJECT PRIORITY LIST

Rank	Loan /Seq No Recipient	Eligible Category Cost Breakdown (Total Building Costs) Cat 1	Cat 2	Cat 3A	Cat 4B	Cat 3B	Cat 4A	Cat 5	Total Eligible Project Costs	Total State Amount	Est St Cert Date
229	340922-01 DUMONT BOROUGH					2,717			3,626		BEYOND97
230	340400-03 STONY BROOK REGIONAL SA			393					560		BEYOND97
231	340884-01 ASBURY PARK CITY						1,581		2,158		BEYOND97
232	340376-04 MORRISTOWN TOWN			6,600					8,622		BEYOND97
233	340640-05 CAMDEN COUNTY MUA	2,500			1,000				4,653	4,653	T 960730
234	340730-01 OCEAN CITY			39					58		BEYOND97
235	340580-04 WARREN CO LOPAT SA			1,809					2,463		BEYOND97
236	340382-03 BERNARDS TOWNSHIP SA			337					482		BEYOND97
237	340752-01 PLEASANTVILLE CITY			151					220		BEYOND97
238	340533-04 VERONA BOROUGH			1,054					1,465		BEYOND97
239	340855-01 SPRINGFIELD TOWNSHIP			1,054					1,465		BEYOND97
240	340940-01 SOUTH RIVER BOROUGH					1,000			1,397		BEYOND97

All costs shown are in thousands ($1000's)

Cat 1 - Secondary/Sludge/Septage Treatment
Cat 2 - Advanced Treatment
Cat 3A- Infiltration/Inflow Correction
Cat 3B- Major Sewer System Rehabilitation
Cat 4A- New Collectors & Appurtenances
Cat 4B- New Interceptors & Appurtenances
Cat 5 - Correction of Combined Sewer Overflows

STATE OF NEW JERSEY
FEDERAL FISCAL YEAR 1997 PROJECT PRIORITY LIST

Rank	Loan /Seq No Recipient	Eligible Category Cost Breakdown (Total Building Costs) Cat 1	Cat 2	Cat 3A	Cat 4B	Cat 3B	Cat 4A	Cat 5	Total Eligible Project Costs	Total State Amount	Est St Cert Date
241	340360-01 METUCHEN BOROUGH			2,800					3,725	3,725	T 970730
242	340385-02 BERKELEY HEIGHTS TOWNSHIP			100					148		BEYOND97
243	340938-01 HIGHLAND PARK BOROUGH			2,000					2,719		BEYOND97
244	340717-05 CEDAR GROVE TOWNSHIP			260					374		BEYOND97
245	340766-02 PARSIPPANY-TROY HILLS TWP			35					52		BEYOND97
246	340337-01 BELLMAWR BOROUGH					277			398	398	T 960730
247	340716-04 LITTLE FALLS MUA			444					631		BEYOND97
248	340381-05 ROXBURY TWP			962					1,345		BEYOND97
249	340803-03 HACKETTSTOWN MUA	451							641		BEYOND97
250	340667-01 VENTNOR CITY					450			640	640	T 970730
251	340618-01 SOMERS POINT CITY			77					114		BEYOND97
252	340778-01 TOTOWA BOROUGH			700					985		BEYOND97

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Cat 1 - Secondary/Sludge/Septage Treatment
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Cat 3A- Infiltration/Inflow Correction
Cat 3B- Major Sewer System Rehabilitation
Cat 4A- New Collectors & Appurtenances
Cat 4B- New Interceptors & Appurtenances
Cat 5 - Correction of Combined Sewer Overflows

FEDERAL FISCAL YEAR 1997 PROJECT PRIORITY LIST

Rank	Loan /Seq No Recipient	Eligible Category Cost Breakdown (Total Building Costs) Cat 1	Cat 2	Cat 3A	Cat 4B	Cat 3B	Cat 4A	Cat 5	Total Eligible Project Costs	Total State Amount	Est St Cert Date
253	340862-01 WESTWOOD BOROUGH			1,581			2,108		4,901		BEYOND97
254	340841-01 RIVER EDGE BOROUGH			320					458		BEYOND97
255	340780-02 WANAQUE VALLEY RSA/WANAQUE BOROUGH					1,136			1,567	1,567	T 970730
256	340326-04 SAYREVILLE BOROUGH			168					245		BEYOND97
257	340517-01 FAIRVIEW BOROUGH			1,027					1,431		BEYOND97
258	340827-01 BRIGANTINE CITY			2,213					2,986		BEYOND97
259	340425-01 LITTLE FERRY BOROUGH			3,700					4,916		BEYOND97
260	340967-01 MATAWAN BOROUGH			500					709		BEYOND97
261	340363-01 RUNNEMEDE SA			188					270	270	T 970730
262	340877-01 HADDON HEIGHTS BOROUGH			614					867		BEYOND97
263	340914-01 BOGOTA BOROUGH			103			30		195		BEYOND97
264	340861-01 GLEN RIDGE BOROUGH			46		188			338		BEYOND97

All costs shown are in thousands ($1000's)

Cat 1 - Secondary/Sludge/Septage Treatment
Cat 2 - Advanced Treatment
Cat 3A- Infiltration/Inflow Correction
Cat 3B- Major Sewer System Rehabilitation
Cat 4A- New Collectors & Appurtenances
Cat 4B- New Interceptors & Appurtenances
Cat 5 - Correction of Combined Sewer Overflows

FEDERAL FISCAL YEAR 1997 PROJECT PRIORITY LIST

Rank	Loan /Seq No Recipient	Eligible Category Cost Breakdown (Total Building Costs) Cat 1	Cat 2	Cat 3A	Cat 4B	Cat 3B	Cat 4A	Cat 5	Total Eligible Project Costs	Total State Amount	Est St Cert Date
265	340326-06 SOUTH AMBOY CITY			168					245		BEYOND97
266	340903-02 HAMILTON TOWNSHIP MUA						2,044		2,774		BEYOND97
267	340846-01 MONTVALE BOROUGH			71					105		BEYOND97
268	340346-01 MEDFORD TOWNSHIP					1,755			2,391		BEYOND97
269	340816-03 BERNARDSVILLE BOROUGH			809					1,135		BEYOND97
270	340916-01 DUNELLEN BOROUGH					1,000			1,397		BEYOND97
271	340706-04 WASHINGTON BOROUGH			1,409		425			2,352	2,352	T 970730
272	340338-01 SOMERDALE BOROUGH					175			254	254	T 960730
273	340426-06 N ARLINGTON - LYNDHURST JT MTG (NARL)			150					219		BEYOND97
274	340479-02 POINT PLEASANT BEACH BOROUGH			1,107					1,531		BEYOND97
275	340840-01 SPRING LAKES HEIGHTS, BOROUGH OF			111					163		BEYOND97
276	340911-01 MANASQUAN BOROUGH					4,600			6,093		BEYOND97

All costs shown are in thousands ($1000's)

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Cat 3B- Major Sewer System Rehabilitation
Cat 4A- New Collectors & Appurtenances
Cat 4B- New Interceptors & Appurtenances
Cat 5 - Correction of Combined Sewer Overflows

FEDERAL FISCAL YEAR 1997 PROJECT PRIORITY LIST

Rank	Loan /Seq No Recipient	Eligible Category Cost Breakdown (Total Building Costs) Cat 1	Cat 2	Cat 3A	Cat 4B	Cat 3B	Cat 4A	Cat 5	Total Eligible Project Costs	Total State Amount	Est St Cert Date
277	340368-01 EAST GREENWICH TOWNSHIP						465		660	660	T 970730
278	340901-01 HIGHLANDS BOROUGH			622					878		BEYOND97
279	340944-02 CHESTERFIELD TOWNSHIP						1,400		1,887	1,887	T 970730
280	340663-02 NORTH WILDWOOD CITY					1,447			1,977	1,977	T 970730
281	340901-02 HIGHLANDS BOROUGH			100					148		BEYOND97
281	340361-01 ROSELAND BOROUGH			400					570	570	T 970730
283	340362-01 HARRISON TOWNSHIP	450		875		1,000			3,125	3,125	T 970730
284	340326-07 SAYREVILLE BOROUGH				3,527				4,689		BEYOND97
285	340426-05 N ARLINGTON-LYNDHURST JT MTG (LYND)			3,527					4,689		BEYOND97
286	340367-01 MERCHANTVILLE BOROUGH					1,088			1,590	1,590	T 970730
287	340917-02 DELAWARE TOWNSHIP MUA					300			430		BEYOND97
288	340882-01 LAMBERTVILLE SA			182		319			710		BEYOND97

All costs shown are in thousands ($1000's)

Cat 1 - Secondary/Sludge/Septage Treatment
Cat 2 - Advanced Treatment
Cat 3A- Infiltration/Inflow Correction
Cat 3B- Major Sewer System Rehabilitation
Cat 4A- New Collectors & Appurtenances
Cat 4B- New Interceptors & Appurtenances
Cat 5 - Correction of Combined Sewer Overflows

FEDERAL FISCAL YEAR 1997 PROJECT PRIORITY LIST

Rank	Loan /Seq No Recipient	Eligible Category Cost Breakdown (Total Building Costs) Cat 1	Cat 2	Cat 3A	Cat 4B	Cat 3B	Cat 4A	Cat 5	Total Eligible Project Costs	Total State Amount	Est St Cert Date
289	340394-01 RIDGEFIELD BOROUGH					306			439	439	T 970730
290	340842-01 HIGH BRIDGE BOROUGH			160					244	244	T 970730
291	340504-02 STANHOPE BOROUGH			289					415		BEYOND97
292	340257-01 WOODBURY HEIGHTS BOROUGH					275	508		1,100	1,100	T 960730
293	340347-01 SOUTH BOUND BROOK BOROUGH				850				1,239	1,239	T 970730
294	340370-01 WOODBINE MUA		6,213				3,500		12,655		BEYOND97
295	340659-01 SEA ISLE CITY			470					667		BEYOND97
296	340970-02 MOONACHIE BOROUGH		160	70					332		BEYOND97
297	340849-01 WOODLYNNE BOROUGH					3,203			4,261		BEYOND97
298	340335-01 AVON BY THE SEA BOROUGH					1,075			1,491	1,491	T 970730
299	340652-06 NORTH BERGEN MUA						3,000		3,997		BEYOND97
300	340966-01 LAVALETTE BOROUGH			2,000					2,719	2,719	T 960730

All costs shown are in thousands ($1000's)

Cat 1 - Secondary/Sludge/Septage Treatment
Cat 2 - Advanced Treatment
Cat 3A- Infiltration/Inflow Correction
Cat 3B- Major Sewer System Rehabilitation
Cat 4A- New Collectors & Appurtenances
Cat 4B- New Interceptors & Appurtenances
Cat 5 - Correction of Combined Sewer Overflows

FEDERAL FISCAL YEAR 1997 PROJECT PRIORITY LIST

Rank	Loan /Seq No Recipient	Eligible Category Cost Breakdown (Total Building Costs) Cat 1	Cat 2	Cat 3A	Cat 4B	Cat 3B	Cat 4A	Cat 5	Total Eligible Project Costs	Total State Amount	Est St Cert Date
300	340966-03 LAVALETTE BOROUGH					1,856			2,526	2,526	T 970730
302	340966-02 LAVALETTE BOROUGH			300					430		BEYOND97
303	340822-01 PEAPACK & GLADSTONE BOROUGH			85					125		BEYOND97
304	340359-01 GREENWICH TOWNSHIP		7,600				1,000		11,200	11,200	T 970730
305	340873-01 CLINTON TWP SEWERAGE AUTHORITY					200			290		BEYOND97
306	340412-08 DEAL BOROUGH			900					1,260		BEYOND97
307	340848-01 EAST NEWARK BOROUGH			63		295			511		BEYOND97
308	340864-01 AVALON BOROUGH		310			796			1,546	1,546	T 970730
309	340876-02 CHESTER BOROUGH	718	132						1,191		BEYOND97
310	340955-01 COMMERCIAL TOWNSHIP	4,200					2,854		9,207		BEYOND97
311	340590-02 BAY HEAD BOROUGH			500		1,135			2,230		BEYOND97
312	340722-01 STONE HARBOR BOROUGH			178					259		BEYOND97

All costs shown are in thousands ($1000's)

Cat 1 - Secondary/Sludge/Septage Treatment
Cat 2 - Advanced Treatment
Cat 3A- Infiltration/Inflow Correction
Cat 3B- Major Sewer System Rehabilitation
Cat 4A- New Collectors & Appurtenances
Cat 4B- New Interceptors & Appurtenances
Cat 5 - Correction of Combined Sewer Overflows

Rank	Loan /Seq No Recipient	Eligible Category Cost Breakdown (Total Building Costs) Cat 1	Cat 2	Cat 3A	Cat 4B	Cat 3B	Cat 4A	Cat 5	Total Eligible Project Costs	Total State Amount	Est St Cert Date
313	340665-01 LONGPORT BOROUGH					675			951	951	T 970730
314	340935-02 MANSFIELD TOWNSHIP			100					148		BEYOND97
315	340353-01 EGG HARBOR TOWNSHIP MUA				413		1,798		2,979	2,979	T 960730
316	340761-02 ROOSEVELT BOROUGH					1,100			1,523		BEYOND97
317	340962-01 STOCKTON BOROUGH			400					570		BEYOND97
318	340626-03 WEST WILDWOOD BOROUGH			396					564		BEYOND97
319	340461-05 LANDIS SA	2,700							3,603		BEYOND97
320 *	340437-10 NEW BRUNSWICK CITY		2,875					225	4,129	4,129	T 970730
321 *	340433-09 WOODBRIDGE TOWNSHIP		820						1,150	1,150	T 970730
322	340537-04 MOUNT OLIVE TOWNSHIP						859		1,234	1,234	T 960730
323 *	340355-01 MILLBURN TOWNSHIP		1,512						1,973	1,973	T 970730
324 *	340374-01 CRESSKILL BOROUGH		250						360	360	T 970730

NOTE * - PROJECT INCLUDES STORMWATER/NONPOINT SOURCE MANAGEMENT COMPONENTS.

All costs shown are in thousands ($1000's)

Cat 1 - Secondary/Sludge/Septage Treatment
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FEDERAL FISCAL YEAR 1997 PROJECT PRIORITY LIST

Rank	Loan /Seq No Recipient	Eligible Category Cost Breakdown (Total Building Costs) Cat 1	Cat 2	Cat 3A	Cat 4B	Cat 3B	Cat 4A	Cat 5	Total Eligible Project Costs	Total State Amount	Est St Cert Date
325 *	340361-02 ROSELAND BOROUGH		1,000						1,397	1,397	T 970730
326 *	340664-02 WILDWOOD CITY		1,977						2,688	2,688	T 970730
327 *	340335-02 AVON BY THE SEA BOROUGH		250						360	360	T 970730
328	340876-01 CHESTER BOROUGH		750						1,054	1,054	T 960730
329 *	340339-01 TETERBORO BOROUGH		870						1,220	1,220	T 970730

NOTE * - PROJECT INCLUDES STORMWATER/NONPOINT SOURCE MANAGEMENT COMPONENTS.

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Cat 1 - Secondary/Sludge/Septage Treatment
Cat 2 - Advanced Treatment
Cat 3A- Infiltration/Inflow Correction
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RESPONSE DOCUMENT

NEW JERSEY STATE LIBRARY

RESPONSE DOCUMENT FOR THE MARCH 26, 1996 PUBLIC HEARING REGARDING THE PROPOSED FFY97 PRIORITY SYSTEM DOCUMENT

Public Participation Activity Purpose

On March 26, 1996 at 10:00 a.m., the New Jersey Department of Environmental Protection (Department) held a public hearing in the Large Conference Room at the Municipal Wastewater Assistance Program's office in Trenton, New Jersey. The purpose of the hearing was to solicit public comments on the Department's Proposed Priority System, Intended Use Plan and Project Priority List which addresses the use of federal monies anticipated to be authorized to the State of New Jersey in Federal Fiscal Year 1997 (FFY97) and other monies available to the Wastewater Treatment Financing Program.

Background

The Project Priority List is a schedule of projects in the state, in priority order, which are eligible to receive financial assistance (i.e., state loans) for the construction of municipal wastewater treatment facilities. In addition, a new component of the Wastewater Treatment Financing Program under the FFY97 proposal included eligibility for stormwater/nonpoint source (nps) management projects and such projects are included in the Priority List as well. Funding is available from two sources: State Revolving Fund (SRF) monies (which includes the federal SRF capitalization grant, the required 20 percent state match, SRF loan repayments and any interest earned thereon) and state-only or non-SRF monies (which includes funds available from the Wastewater Treatment Bond Act of 1985, the Stormwater Management and Combined Sewer Overflow Abatement Bond Act of 1989, the Green Acres, Clean Water, Farmland and Historic Preservation Bond Act of 1992, repayments from previous years' non-SRF loans and other state sources). The priority of any particular project is established by the methodologies and criteria contained in the Priority System. The Priority System also establishes general state policies which will govern the award of federal grants in FFY97 and state loans in State Fiscal Year 1998 (SFY98). Those projects whose sponsor indicated their intent to comply with the project document submittal deadlines identified in the Proposed FFY97 Priority System, Intended Use Plan and Project Priority List are initially eligible to receive state loans in SFY98. State loans will be made to the highest ranked projects subject to their ability to comply with the project document submittal requirements and deadlines and the availability of funds in SFY98. Grant and loan increases which are awarded in FFY97 and SFY98, respectively, will be based on the low bid building costs for those projects which previously received federal grants or state loans. The Intended Use Plan includes information on the timing, use, and distribution of federal funds anticipated to be made available to New Jersey (through a SRF capitalization grant) and monies available through SRF loan repayments under the state's Wastewater Treatment Financing Program.

Public Participation Process

The Clean Water Act and its amendments require the United States Environmental Protection Agency (USEPA) and the states to provide for and encourage public participation in the Construction Grants Program and the federally-supported SRF Program. In New Jersey, the SRF is a component of the Wastewater Treatment Financing Program. In accordance with the federal rules, the requirement for public participation also applies to the development and/or major revision(s) of the state's Priority System, Intended Use Plan and Project Priority List. In keeping with the public participation requirements, and in recognition of the significance of the FFY97 Priority System, Intended Use Plan and Priority List Proposal, the Department desired extensive involvement with the public.

Public notice of the March 26, 1996 hearing consisted of a two part mailing to municipalities, consulting engineers, environmental commissions, special interest groups, state legislators, county health departments and other interested parties. The first mailing was a February 9, 1996 notice scheduling the hearing and identifying the close of the public comment period as March 29, 1996.

The second notice, sent on February 20, 1996, included the Proposed FFY97 Priority System, Intended Use Plan and the Project Priority List. An additional document, consisting of the above information as well as specific project ranking worksheets and the project descriptions, was delivered to various libraries in each county in the state and was available to the public for review. The February 20, 1996 notice included a listing of those libraries which received the project narrative/ranking worksheet document.

The February 9, 1996 public notice satisfies the 45-day notice period for public hearings and the February 20, 1996 notification satisfies the 30-day requirement for availability of relevant documents for the public's review in accordance with applicable federal rules.

In order to provide greater notice with regard to the availability of loans for stormwater/nps management projects under the Wastewater Treatment Financing Program, an additional distribution of the FFY97 proposal document was also conducted. The mailing targeted members and contacts identified from the Stormwater Rule Task Force and it included soil conservation districts throughout the state, consulting engineers and builders with special interest in stormwater management requirements, environmental groups, county planning boards and commissions as well as others.

The public hearing was chaired by Nicholas G. Binder, Assistant Director, Municipal Wastewater Assistance (MWA) program, who presented information relevant to the FFY97 Priority System, Intended Use Plan and Project Priority List proposal. The remaining time was allocated for public comment and questions. The participants attending or submitting comments were generally

representative of those segments of the population to be affected by the Department's action in implementing the Proposed Priority System, Intended Use Plan and List. A transcript of the hearing is available to any interested person or organization on a request basis from the transcription services. In addition, copies of the transcripts may be reviewed at the MWA's offices in Trenton upon request.

Proposed FFY97 Priority System, Intended Use Plan and Project Priority List

The Priority System project ranking criteria continues to place primary emphasis on the water use/water quality impacts that are associated with an existing discharge. As in the past, eligible project costs continue to be limited based on the low (responsive and responsible) contractor's bid building cost. Federal grant increases which may be awarded in FFY97 will be at the 55 percent funding level (and may include a 20 percent bonus for innovative/alternative (I/A) technologies) for eligible project costs based on the low bid building cost and provided sufficient grant funds are available.

The Priority System/Intended Use Plan/Project Priority List package includes information on financing through the New Jersey Wastewater Treatment Financing Program. The Wastewater Treatment Financing Program is comprised of the Department-administered Wastewater Treatment Fund (the Fund), a revolving loan fund initially capitalized with $150 million in state general obligation bonds, and the New Jersey Wastewater Treatment Trust (the Trust), an innovative financing vehicle initially capitalized by $40 million in state general obligation bonds, with the ability of "leveraging" funds to increase the amount of available monies for project funding. The New Jersey Wastewater Treatment Trust Act and the Wastewater Treatment Bond Act of 1985 together provide the legislative framework for this program. The Intended Use Plan details New Jersey's intent to enter into SRF capitalization grant agreements with USEPA to provide additional capital to the Fund and continue the progress made in the past in addressing the state's water quality deficiencies.

The Trust and the Fund act together with each entity providing a portion of a local government unit's total loan for a project. The blending of interest rates for the combined loans for the Trust and Fund means that the resultant interest rates will equal approximately 50 percent of the market rate. These loans will be made for generally 20 years and for up to 100 percent of the allowable project costs (eligible project categories under the Wastewater Treatment Financing Program will additionally include categories not previously considered eligible under the federal Construction Grants Program, including collection system, combined sewer overflow, major sewer system rehabilitation projects and others).

The Department and the Trust have continued the practice of allowing project sponsors a second chance opportunity. A second chance opportunity gives local government units that have been proceeding independently toward the construction of an eligible project an opportunity to participate in the current funding cycle. In order to qualify, project sponsors must be extensively through the permitting and approval phase. Under the FFY97 Priority System (to qualify for FFY97/SFY98 funding), sponsors wishing to take advantage of the second chance provisions must submit the following items in accordance with the schedule below:

January 10, 1997	Commitment letter
February 3, 1997	Planning and design documents
March 3, 1997	Loan application

It should be noted that the inclusion of the second chance projects in the FFY97/SFY98 funding cycle will not adversely impact the ability of the program to provide financing to those projects that have already been actively pursuing funding in accordance with the schedule originally established in the FFY97 Proposal for the FFY97/SFY98 funding cycle (April 26, 1996 for planning and November 1, 1996 for design).

SUMMARY OF PUBLIC ISSUES AND RESPONSES

COMMENT

One commenter stated that the current loan repayment period is actually only 17 years since the 20 year loan term includes the 3 years it takes to complete the project. It was suggested that a revision to extend the loan repayment period would attract more program participants.

RESPONSE

Under the New Jersey Wastewater Treatment Financing Program, two loan agreements are executed - one for a Trust loan and one for a Fund loan. With respect to the SRF requirements which affect both the Fund and Trust loans, the federal Water Quality Act of 1987 requires that all SRF loan repayments be made within 20 years of the completion of the project. The Department has supported changes to the federal act to allow states greater flexibility under the SRF program in determining the appropriate length of the loan term, especially in economically depressed communities. With respect to the Trust loan, the New Jersey Wastewater Treatment Trust Act requires that the term of the Trust loan shall be the lesser of 20 years or the useful life of the project. In addition, since the Fund loan repayments are subordinate to the Trust loan repayments for bond rating purposes, it is appropriate that the loan repayment schedules in the two loans be compatible. If changes to the federal law are enacted which allow for longer repayment terms, changes to the Trust Act could be pursued in the future. This flexibility

could be useful in addressing infrastructure needs for economically disadvantaged communities.

COMMENT

Two commenters recommended that a program be established which would advance the planning and design allowance to project sponsors since such a program would serve as an incentive for them to proceed with the implementation of an eligible project under the Wastewater Treatment Financing Program.

RESPONSE

While providing up-front monies for the planning and design efforts could attract more interest in the program, there are various drawbacks. Of particular concern is that providing these funds will not ensure that the projects identified on the Priority List are actually built. Thus, the limited available funds in the program could be used for planning and design efforts that may not result in the construction of water quality improvement projects. The Department and the Trust have and will continue to explore various program improvements to enhance the program's financial incentives. Of particular note, the program's rules which were readopted with amendments on September 5, 1995 increased the percentages allowed for administrative and planning/design costs, and allowed for a five percent contingency in the project loans. In addition, changes in the Trust's financing structure will significantly reduce the disclosure requirements that a local government unit would be subject to (both at the time of bond sale and annually thereafter) than if it financed the project on its own.

COMMENT

One commenter requested information regarding the extent of planning necessary to obtain approval for the purchase of stormwater management equipment, particularly street sweepers, under the Wastewater Treatment Financing Program.

RESPONSE

The amount of planning required for the purchase of stormwater maintenance equipment would be minimal since no primary (i.e., construction-related) or secondary impacts (i.e., growth-related impacts) would be involved in such a project. Such projects would qualify for a level 1 environmental review which is discussed in N.J.A.C. 7:22-10.4. At a minimum, the Department will require information regarding the planned usage of, and the maintenance schedule for, the proposed equipment to be purchased, any evidence of public participation, project cost, useful life of the equipment and source/method of loan repayment.

COMMENT

One commenter questioned how the Trust would respond to a loan recipient which may be interested in pursuing a public-private partnership and what implications such a partnership would have on the Trust bonds.

RESPONSE

This is a situation the program has never encountered and would have to be dealt with on a case by case basis. The determination by the Trust would evaluate several factors including the risk to outstanding bond holders, the impacts on the tax-exempt status of the Trust bonds and the terms of the partnership agreement itself. It was recommended that the commenter send a written correspondence describing the proposed partnership which the Department, the Trust, as well as the Program's bond counsel and financial advisor could evaluate in greater detail.

COMMENT

One commenter suggested that some of the federal dollars contributed to the Wastewater Treatment Financing Program be dedicated to provide grants to authorities and municipalities for planning, administrative and engineering costs. It was noted that providing grants for such non-construction activities would would be a great benefit to local government units and also increase response to the Program.

RESPONSE

The federal legislation which established the SRF Program and its implementing regulations allow states to provide loans, loan guarantees and other forms of financial assistance, but specifically prohibits states from providing grants with SRF moneys. The 20 percent state match required to qualify New Jersey for the SRF funds also are not allowed to be used for grant purposes under federal law. Consideration to amending the existing SRF requirements which presently limits the state's flexibility in administering its SRF is occurring in conjunction with the discussions regarding the reauthorization of the Clean Water Act, particularly for economically disadvantaged areas and may result in some changes in the future. However, in view of the significant wastewater treatment needs in the state and other needs in stormwater and nps management areas coupled with the limited funding available, it is unlikely that the Financing Program would provide across-the-board grants for such "soft costs" as was proposed by the commenter.

PROJECT SPECIFIC COMMENTS

* The following projects have been added to the Project Priority List:

Project Number	Project Sponsor
340437-07	New Brunswick City
340437-08	New Brunswick City
340437-09	New Brunswick City
340437-10	New Brunswick City
340349-03	Pennsauken Township
340689-03	Passaic Valley SC
340706-04	Washington Borough
340378-01	Bergenfield Borough
340394-01	Ridgefield Borough
340966-03	Lavallette Borough
340374-01	Cresskill Borough
340355-01	Millburn Township
340361-02	Roseland Borough
340433-09	Woodbridge Township

* The Linden-Roselle Sewerage Authority project number 340682-05 has been removed from the Project Priority List as per the sponsor's request.

* New Brunswick City project number 340437-02 has been deleted and divided into two separate projects (the new project numbers are 340437-07 and 340437-08). The two other new projects added to the final Priority List and sponsored by New Brunswick City (340937-09) and 340437-10) represent new scopes which were not included in project number 340437-02 and not listed in the Priority List proposal.

* The scope of the Atlantic County Utilities Authority project number 340809-05 was modified and the air handling system previously included in the 340809-05 project has been included in the 340809-06 project.

* Many governmental organizations have requested minor revisions to their respective projects' estimated costs and/or minor revisions to project scopes. These changes have been made and are reflected in the FFY97 Priority List and project descriptions.

RESPONDENTS TO THE PROPOSED FEDERAL FISCAL YEAR 1997 PRIORITY SYSTEM, INTENDED USE PLAN AND PROJECT PRIORITY LIST

Atlantic County Utilities Authority
Bergenfield Borough
Buena Borough Municipal Utilities Authority
Cresskill Borough
Florham Park Sewerage Authority
High Bridge Borough
Lavallette Borough
Linden-Roselle Sewerage Authority
Longport Borough
Merchantville Borough
Millburn Township
New Brunswick City
Northwest Bergen County Utilities Authority
Passaic Valley Sewerage Commissioners
Pennsauken Township
Ridgefield Borough
Roseland Borough
Ventnor City
Voorhees Township
Washington Borough
Woodbridge Township

Rene Enriquez, Senior Manager, Ernst and Young LLP
Timothy Kaye, Project Manager, Atlantic County Utilities Authority
Lee T. Purcell of Lee T. Purcell Associates (on behalf of several local government units)
Robert A. Simicsak, Municipal Engineer, Woodbridge Township

PROJECT NARRATIVES

NEW JERSEY STATE LIBRARY

Project Name, Number — Priority List Rank

Rahway Valley Sewerage Authority (City of Rahway) — 1
340547-04
I/I Correction - Overflow

County

Union

Service Area

Rahway City

Existing Population

26,686

Need for Project

The applicant operates a thirty-five (35) million gallons per day (MGD) water pollution control facility which was constructed in 1976. During storm events the lower portion of the Rahway River receives discharges from five (5) separate points. It appears that an appreciable impact (lower dissolved oxygen, high fecal coliform and nutrient concentration and toxics pollutants) is experienced only during local storms when flows from the river's upper reaches are low. Storms of high intensity and long duration will wash out the pollutant loadings from the discharges within a period of less than twelve hours and thereby have less of an impact. Primary contact recreation and shellfish harvesting are adversely impacted.

Project Description

A combined sewer overflow study was done as part of an I/I study for the overall service area. The study recommended no action regarding combined sewer overflow abatement. Additional funds to conduct a more detailed CSO study will be required in the future. It is likely that a combination of in-system storage and overflow disinfection may be appropriate for CSO abatement.

Project Name, Number

Priority List Rank

Flemington Borough
340440-03
Major Sewer System Rehabilitation

2

County

Hunterdon

Service Area

Flemington

Existing Population

4,047

Need for Project

The existing collection system serving the Borough of Flemington is very old and is subject to extreme amounts of infiltration and inflow. Up to 0.5 mgd is bypassed to the Raritan Township MUA's plant on a daily basis. A small amount of flow is treated at the Flemington plant to maintain biological activity. Any flow over the total of 0.65 mgd during the summer and 0.75 mgd during the winter is bypassed to the Bushkill Creek (FW-2-TM), a tributary to the South Branch of the Raritan River and upstream of the existing Elizabethtown Water Company potable intake. This bypassing adversely affects the trout population in both waters. The use of the streams as industrial and agricultural water supplies is also curtailed because of the nutrients and fecal coliform added during bypass operations. Nutrients, fecal coliform, and toxics are all in violation of standards.

Project Description

The proposed project consists of the replacement of a sanitary sewer line to stop the overflow of raw sewage on East Main Street and the relining of sewers in certain problem areas of the Borough.

Project Name, Number

Priority List Rank

New Brunswick City
340437-07
Combined Sewer Overflow Abatement

3

County

Middlesex

Service Area

Approximately 250 acres in the downtown New Brunswick area

Existing Population

41,711

Need for Project

The city is under an administrative consent order to eliminate the combined sewer overflow which discharges into the Raritan River at Albany Street. In order to eliminate wet weather discharges from the combined storm/sanitary sewer system, the City has embarked on a five phase sewer separation program. Two phases have been completed to date. Upon completion of the remaining phases, the stormwater element will be totally eliminated, thus allowing for a separate and independent sanitary system. Elimination of the CSO will have positive effects on the water quality of the Raritan River.

Project Description

The project consists of the Phase III and V Sewer Separation Program which includes removing the existing stormwater from the sanitary sewer collection system by constructing a separate and independent storm sewer collection system parallel to the sanitary sewer system. Furthermore, in areas with hydraulic problems, appropriate measures will be taken to increase capacity. Local areas of flooding will also be eliminated.

Project Name, Number

Priority List Rank

New Brunswick City
340437-08
Combined Sewer Overflow Abatement

3

County

Middlesex

Service Area

Approximately 250 acres in the downtown New Brunswick area

Existing Population

41,711

Need for Project

The city is under an administrative consent order to eliminate the combined sewer overflow which discharges into the Raritan River at Albany Street. In order to eliminate wet weather discharges from thecombined storm/sanitary sewer system, the City has embarked on a five phase sewer separation program. Two phases have been completed to date. Upon completion of the remaining phases, the stormwater element will be totally eliminated, thus allowing for a separate and independent sanitary system. Elimination of the CSO will have positive effects on the water quality of the Raritan River.

Project Description

The project consists of the Phase IV Sewer Separation Program which includes removing the existing stormwater from the sanitary sewer collection system by constructing a separate and independent storm sewer collection system parallel to the sanitary sewer system. Furthermore, in areas with hydraulic problems, appropriate measures will be taken to increase capacity. Local areas of flooding will also be eliminated.

Project Name, Number

Priority List Rank

Perth Amboy City
340435-04
Combined Sewer Overflow Abatement

5

County

Middlesex

Service Area

City of Perth Amboy

Existing Population

37,330

Need for Project

The City of Perth Amboy has within its system nineteen (19) combined sewer overflows at which raw sewage overflows occur. The City of Perth Amboy is located at the mouth of the Raritan Bay. These waters were once utilized for shell fishing. Raw sewage discharges have a detrimental impact on the adjacent waters and thus the shell fishing industry, as well as primary contact recreation. Dissolved oxygen, fecal coliform, nutrient, and toxics concentration do not meet water quality standards.

Project Description

Although part of the City's project for correction of combined sewer overflows which included the elimination of dry weather overflows, rehabilitation of tide gates, regulators and pump stations, the construction of an outfall and the separation of storm sewers in the northern section of Perth Amboy has been funded under a federal Marine Combined Sewer Overflow Grant (C340435-05) provided by the USEPA, additional funds for correction of combined sewer overflows will be required. The City has applied for a planning grant under Sewage Infrastructure Improvement Act (SIIA) for reduction of solids/floatables from the City's combined sewer system. Any recommended improvements to the combined sewer system will be a part of the overall project.

Project Name, Number | Priority List Rank

Gloucester City 6
340958-02
Combined Sewer Overflow Abatement

County

Camden

Service Area

Portions of Gloucester City

Existing Population

12,000

Need for Project

The estimated age of the combined sewers on the Broadway and Powell Street is ninety years. In the past year there has been numerous documentations of collapses of the existing brick sewers.

Project Description

Gloucester City wishes to remove and replace the combined sewers on Broadway and Powell Streets. The Broadway Project will include the replacement of 15 manholes and 194 house connections. The Broadway Project will take place between Koehler and Monmouth Streets.

The Powell Street project will include replacement of 2500 LF of 12" brick pipe with 12" PVC pipe between Broadway and Burlington Street. The project will also include the removal and replacement of 8 manholes and 128 house connections.

Project Name, Number

Priority List Rank

Pennsauken Township
340349-02
CSO Abatement

7

County

Camden

Service Area

Portions of Pennsauken Township

Existing Population

34,738

Need for Project

A portion of Pennsauken Township is served by combined storm and sanitary sewers. During high intensity rainfalls, the capacity of the system is exceeded resulting in sanitary sewer overflow into homes, streets and waterways. The existing situation results in sewage discharge to the Back Channel of the Delaware River near the Cooper River. Public water supply, shellfish, agricultural and industrial water uses are adversely impacted. Water quality in the area of the discharge marginally meets standards for dissolved oxygen, nutrients and toxics.

Project Description

The project involves the construction of two separate stormwater detention basins in the upper portion of the drainage area contributing runoff to the combined sewer system. By detaining the runoff and reducing the volume of the flow in the combined portion of the system, combined sewer overflow to streets, lawns, basements, etc. can be minimized and eliminated.

One detention basin is proposed for the abandoned railroad right-of-way on Chestnut Avenue on property owned partially by Pennsauken Township and the Borough of Merchantville. The second detention basin is proposed for an existing athletic field adjacent to Pennsauken's municipal building and central school. This second basin, as presently proposed, would involve pumped storage due to the existing elevations.

Project Name, Number

Priority List Rank

Pennsauken Township
340349-03
CSO Abatement, Stormwater Management

7

County

Camden

Service Area

Portions of Pennsauken Township

Existing Population

34,738

Need for Project

A portion of Pennsauken Township is served by combined storm and sanitary sewers. During high intensity rainfalls, the capacity of the system is exceeded resulting in sanitary sewer overflow into homes, streets and waterways. The existing situation results in sewage discharge to the Back Channel of the Delaware River near the Cooper River. Public water supply, shellfish, agricultural and industrial water uses are adversely impacted. Water quality in the area of the discharge marginally meets standards for dissolved oxygen, nutrients and toxics.

Project Description

The project involves the construction of a large diameter storm sewer along Browning Avenue from Route 130/Madison Avenue to the Delaware River to prevent flow from entering the combined sewer system and the Camden City system, stormwater detention facilities to detain stormwater prior to its entering the combined system, the separation of the sanitary and storm sewer systems in portions of the Township and the enlargement of the existing storm sewer system to handle a greater capacity.

Project Name, Number

Priority List Rank

Hopatcong Borough
340488-03
Collection System/Individual Systems

9

County

Sussex

Service Area

Hopatcong Borough

Existing Population

15,088

Need for Project

This project is necessary to protect the waters of Lake Hopatcong (FW2-TM), a potable water supply. Wastewater treatment mehtods in Hopatcong Borough consist of individual on-site systems. There are reported septic system failures which have been determined to adversely affect fishable (trout) and primary contact recreation uses of the lake. Water quality does not meet standards for dissolved oxygen and nutrients and marginally meet standards for fecal coliform and toxic.

Project Description

According to the 201 Upper Musconetcong Drainage Basin Facilities Plan, the proposed system for the decentralized Northwood area of Hopatcong Borough consists of septic tank effluent pump (STEP) sewer systems with treatment at a mound community drainfield. The proposed Hopatcong Borough STEP sewer system for the remaining majority of the densely developed areas of the Borough consists of a modified cluster feeder system where the effluent is pumped into main collectors (6" or less gravity line) and is then pumped and transported for treatment to the Musconetcong Sewerage Authority STP.

Project Name, Number

Priority List Rank

Musconetcong Sewerage Authority (MSA)
340384-05
STP Expansion, Interceptor

10

County

Morris/Sussex

Service Area

Borough of Hopatcong and in-basin portion of Jefferson

Existing Population

33,400

Need for Project

The proposed project will provide treatment capabilities at MSA's STP for flows from the Hopatcong/Jefferson service areas. On-site systems in the Borough of Hopatcong and Jefferson Township are failing due to unsuitable soils and impacting Lake Hopatcong. Water quality currently does not meet standards for dissolved oxygen, fecal coliform, and nutrients, and only marginally meets standards for toxics. During drought emergencies, the lake is used to supplement potable water supplies serving the heavily populated areas of northeast New Jersey. The lake is also used for trout fishing and primary contact recreation.

STP (level of treatment)	Flow (mgd) Design	Present	Effluent BOD Reported % - mg/l	SS Reported % - mg/l
Musconetcong SA (NJ0027821)	2.275	0.873	98.7 - 2.54	98.1 - 3.09

Project Description

The proposed project includes a 2.1 mgd STP expansion, an extension of the MSA interceptor into Jefferson Township and the extension of existing interceptors in Stanhope and Roxbury into the Borough of Hopatcong. In addition, sanitary sewer systems will be constructed in the Borough of Hopatcong and Jefferson Township concurrently with the STP expansion.

Project Name, Number

Township of Bridgewater
340638-04
Sewer Rehabilitation

Priority List Rank

11

County

Somerset

Service Area

Portions of Bridgewater Township and most of Branchburg Township

Existing Population

12,196

Need for Project

Excessive infiltration in the North Branch trunk sewer results in raw sewage overflows into the North Branch Raritan River, which is classified as FW-2, nontrout and supplies industrial process water. These overflows have contributed to high levels of fecal coliform, bacteria, and nutrients which exceed water quality standards. Toxic levels marginally meet standards. The Bridgewater Township sewerage system overflows occur upstream of an intake to the Elizabethtown Water Company.

Project Description

The rehabilitation of the trunk sewers will require grouting and slip-lining the existing pipe. The exact nature and scope of work to be performed will be further defined when a sewer system evaluation survey is completed.

Project Name, Number	Priority List Rank
Jefferson Township 340747-05 Collection System/ Individ. Systems	12

County
Morris

Service Area
Jefferson Township (Musconetcong River Basin)

Existing Population
8,689

Need for Project

Existing on-site systems are failing and may eventually lead to serious health hazards throughout this part of the Township. The failures are occurring because of certain soils limitations: shallow depth to bedrock, high water tables and steep slopes. Repairs have been attempted but with few successful results. A large number of the on-site systems border Lake Hopatcong (FW2-TM), a potable water supply, and Lake Shawnee (FW2-TM). These waters are of fishable (trout) and primary recreation quality. This portion of Jefferson Township contains two package sewage treatment plants servicing the Consolidated School and the Stanlick School. These systems provide secondary treatment and discharge into tributaries of Lake Hopatcong and Lake Shawnee, respectively. Water quality marginally meets standards for fecal coliform and toxics. Nutrient and D.O. levels violate existing standards.

STP (level of treatment)	Flow (mgd)		Effluent	
	Design	Present	BOD Reported % - mg/l	SS Reported % - mg/l
Consolidated School Secondary	0.0075	0.0033	97.8 - 4.35	95.8 - 17.93
Stanlick School Secondary	0.013	0.007	99.4 - 1.6	97.2 - .96

If the plan to connect into the Musconetcong Sewer Authority (MSA) is implemented, these two sewage treatment plants will also connect into the MSA.

Project Description

This project includes the construction of a collection system for the Musconetcong River Basin portion of Jefferson which may also include an interceptor, pump station, and force main. Also, a septic system management plan will be recommended for the remaining portions of the Township.

Project Name, Number

Priority List Rank

Raritan Borough
340781-04
Infiltration/Inflow Correction-Overflow

13

County

Somerset

Service Area

Raritan Borough

Existing Population

5,987

Need for Project

Many of the sewers in the Borough of Raritan are at least 75 years old and have never been rehabilitated. The infiltration/inflow (I/I) resulting from sewer pipe decay is estimated at 40-50 percent of the total flow from the Borough. This condition results in raw sewage overflows which adversely impact the Raritan River by contributing to the elevated nutrient and bacteriological levels in the River, which is classified as FW2-NT. Toxic levels marginally meet existing standards. The River is used as an industrial water supply and as a potable water supply for the Elizabethtown Water Company.

Project Description

The project will include rehabilitating much of the existing 20 miles of sewers or replacing that which is beyond repair. It may also be necessary to replace some of the undersized sewers with larger ones. This rehabilitation work will eliminate the sewage overflows from this system and reduce excessive flow into the Somerset-Raritan Valley Sewerage Authority (SRVSA) plant.

Project Name, Number

Priority List Rank

Oradell Borough
340835-01
Infiltration/Inflow Correction-Overflow

14

County

Bergen

Service Area

Oradell Borough

Existing Population

8,469

Need for Project

The Borough of Oradell sewer collection system is subject to excessive infiltration/inflow. Peak flows surcharge several manhole covers, with the raw sewage overflow impacting upon the main intake canal of the Hackensack Water Company. Water quality standards are marginally acceptable for DO, fecal coliform, nutrients, and toxics.

Project Description

Minor rehabilitation techniques are proposed to correct the infiltration/inflow problem and eliminate the raw sewage overflows.

Project Name, Number

Priority List Rank

Pequannock, Fairfield and Lincoln Park SA (Two-Bridges SA)
340354-03
INT., PS, FM

15

County

Morris

Service Area

The southeast and southcentral portions of Pequannock Township

Existing Population

3,036

Need for Project

The existing receiving water, Pompton River (FW2-NT), is classified for potable water supply, nontrout maintenance, and industrial water use. Water quality standards are currently violated for fecal coliform, and marginally meet nutrients and toxics.

STP (level of treatment)	Flow (mgd) Design	Present	Effluent BOD Reported % - mg/l	SS Reported % - mg/l
Laurel Home (Secondary) (NJ0022926)	0.010	0.007	95.4 - 8.4	81.5 - 12.0

Project Description

The TBSA has proposed the construction of transmission facilities to convey wastewater from the southeast and southcentral portions of the Township of Pequannock to the TBSA's existing treatment plant. The Laurel Home treatment plant will be eliminated. The proposed transmission facilities will consist of two pump stations, force main and interceptors.

Project Name, Number | Priority List Rank

West Milford Township MUA | 16
340701-03
Infiltration/Inflow Correction - Overflow

County

Passaic

Service Area

Awosting STP area of West Milford Township

Existing Population

500

Need for Project

The Awosting STP service area is subject to excessive infiltration/inflow (I/I). Present flows at the Awosting STP average 55,000 gallons per day (GPD), but peak conditions can result in flows over 150,000 GPD. This results in sewage overflows near the plant and direct discharge into the Wanaque River which flows into the Monksville Reservoir, a potable water supply source and a trout fishery. Nutrient levels in the River and Reservoir do not meet standards.

Project Description

The proposed project is for the implementation of I/I correction measures to eliminate all existing overflows. This may include the cost effective conveyance and treatment of excessive I/I flows, as well as standard sewer system rehabilitation measures.

Project Name, Number

Priority List Rank

Bergen County U.A.
340768-03
CSO Abatement

17

County

Bergen

Service Area

Bergenfield, Bogota, Carlstadt, Cliffside Park, Closter, Cresskill, Demarest, Dumont, East Rutherford, Emerson, Englewood, Englewood Cliffs, Fairview, Fort Lee, Hackensack, Harrington Park, Hasbrouck Heights, Haworth, Hillsdale, Leonia, Little Ferry, Maywood, Montvale, Moonachie, New Milford, Northvale, Norwood, Oradell, Palisades Park, Paramus, Park Ridge, Ridgefield, Ridgefield Park, River Edge, River Vale, Rochelle Park, South Hackensack, Teaneck, Tenafly, Teterboro, Washington, Westwood, Woodcliff Lake, Rutherford and Wood-Ridge

Existing Population

491,143

Need for Project

Due to system capacity limitations, combined sewage surcharges and overflows into SE2 and FW2-NT waters. This results in excessive solids and bacteria levels, and floating sewage during wet and dry weather conditions.

Project Description

Elimination of dry weather overflows in combined and separate sewer systems, and repairs to tide gates, would be the first order of priority to mitigate the impact on the receiving streams. Secondly, there is a need to provide more sewage capacity to handle peak flows, which might require diversion of stream sewage flows to interceptors with available capacity, or parallel sewers, to relieve downstream surcharging and overflows. Any recommended improvements to the combined sewer regulators in Fort Lee, Hackensack and Ridgefield Park will be a part of the overall project.

Project Name, Number | Priority List Rank

North Bergen Township/ Hudson County UA 340652-02
CSO Abatement | 18

County

Hudson

Service Area

North Bergen (Area I)

Existing Population

39,200

Need for Project

Numerous sanitary lines are in need of repair and surcharge frequently. Many sanitary connections have been made in storm sewers. Some of the system is separate but much is served by combined sewers. Existing regulators are in need of repair or replacement. The CSO system discharges to the Hackensack River (SE-2) which is classified for non-trout fishing and industrial water use. Dissolved oxygen, fecal coliform, and toxics levels are all unacceptable. Sanitary flows are conveyed to the existing Central Treatment Plant.

Project Description

The Hudson County Utilities Authority has applied for a Sewage Infrastructure Improvement Act grant. Planning information from this study will be used to assist development of corrective measures for the combined sewer overflow problems. North Bergen is presently conducting a comprehensive sewer system evaluation survey to determine specific corrective actions. Rehabilitation is proposed to alleviate surcharging and to eliminate illegal connections. New sewers will be constructed to assist in alleviating surcharging and to convey additional flow to the Central STP.

Project Name, Number | Priority List Rank

North Bergen Township/ Hudson County UA 340652-03
Outfall Repair | 19

County

Hudson

Service Area

North Bergen (Area III)

Existing Population

19,822

Need for Project

Overflow from two combined sewer overflow (CSO) regulators is discharged directly to the Hudson River through the Woodcliff STP outfall. The overflow lines are in poor condition which results in surcharging and flooding. In addition, the existing outfall may be undersized and is in need of major repairs and possible extension for proper plume dispersion. The Woodcliff STP has been upgraded to secondary treatment with a design flow of 3.1 mgd. The non-trout fishing and industrial water uses of the Hudson River are negatively impacted by the discharge. Water quality does not meet standards for dissolved oxygen, fecal coliform, nutrients and toxics.

STP (level of treatment)	Flow (mgd) Design	Present	Effluent BOD Reported % - mg/l	SS Reported % - mg/l
Woodcliff STP (NJ0029084)	3.10	2.94	47.3 - 79.0	49.4 - 57.3

Project Description

The Hudson County Utilities Authority (HCUA) has applied for a Sewage Infrastructure Improvement Act grant to study the combined sewer overflows in North Bergen. The results of the planning study will be used to assist in determining corrective measures for the CSO outfall lines. North Bergen is presently conducting a comprehensive sewer system evaluation survey to determine specific corrective actions. The existing CSO/effluent outfall will be rehabilitated or replaced as necessary.

Project Name, Number

Priority List Rank

Oakland Borough
340418-03
STP, Interceptor and Collection System

20

County

Bergen

Service Area

Borough of Oakland

Existing Population

13,000

Need for Project

The area is currently served by septic systems and some small package treatment plants. As treatment requirements increase from Level 4 to Level 5, the plants will be unable to meet their effluent requirements. Ground and surface waters (Ramapo River, FW2-NT), are used for recreation as well as a potable water source, and are being degraded by the failure of existing disposal facilities.

Project Description

The proposed project includes the construction of a wastewater treatment plant, interceptor sewer and collection system. The proposed interceptor sewer and collection system will convey all flows from the six (6) wastewater treatment plants (that will be abandoned) to the proposed wastewater treatment plant.

Project Name, Number
Sparta Township
340495-03
STP, On-Site

Priority List Rank
21

County
Sussex

Service Area
The study area consists of that portion of Sparta Township (48%) which is situated within the Upper Wallkill River Basin. On-site rehabilitation in conjunction with a Septic System Management District would consider the entire Township as a service area during implementation.

Existing Population
14,319

Need for Project
All existing point source discharges must be addressed. Should these discharges remain in existence, they must be upgraded to meet the effluent limitations needed to protect existing water quality. In cases of discharge to the Wallkill River (FW2-TM) (Plaza and H.S. #1 and #2 plants), advanced wastewater treatment will be required to diminish any impacts to Franklin Pond, a downstream potable water source for Franklin Borough. Primary contact recreation is also adversely impacted by these discharges. The Wallkill river marginally meets standards for fecal coliform, nutrients and toxics. In addition, the failure rate for individual septic systems is averaging about 3% per year. Many of the existing systems (e.g., cesspool) cannot meet the minimum requirements for subsurface disposal and must be replaced.

STP (Level of treatment)	Flow (mgd) Design	Present	Effluent BOD Reported % - mg/l	SS Reported % - mg/l
Plaza STP NJ0027057 (AST-90%)	.030	.040	91.3 - 12.6	86.0 - 23.3
Board of Ed.-Alpine School NJ0027065 (AST-95%)	.027	.008	97 - 7.4	93 - 16
Board of Ed.-H.S. Plant #1 NJ0027073 (AST-95%)	.022	.005	98.6 - 4.14	97 - 1.44
Board of Ed.-H.S. Plant #2 NJ0027081 (AST-95%)	.027	.008	87.6 - 4.2	98 - 2.56

Project Description
A likely alternative for wastewater disposal in Sparta Township is on-site rehabilitation in conjunction with initiation of septic management district planning. Therefore, the major scope of work for this project would include the upgrading of all existing point source discharges to acceptable treatment levels. This would preclude development of any future point source discharges in Sparta Township for the 20 year planning period.

Project Name, Number

Priority List Rank

Wrightstown Borough
340925-01
STP

22

County

Burlington

Service Area

Wrightstown

Existing Population

3,146

Need for Project

The 0.2 mgd treatment plant in Wrightstown must be upgraded to meet required water quality standards; the plant will also be expanded. The treatment plant discharges to North Run, thence to Crosswicks Creek. The waters do not meet water quality standards for dissolved oxygen, fecal coliform, or nutrients, and levels of toxics are only marginally acceptable. Thus, use of these waters for non-trout fishing and agriculture are adversely impacted. Final effluent limitations for the treatment plant will specify 90% (20 mg/L) removal of BOD5 and 85% (20 mg/L) removal of suspended solids. In addition, there will be limits for nitrates and residual chlorine.

STP (level of treatment)	Flow (mgd) Design	Present	Effluent BOD Reported % - mg/l	SS Reported % - mg/l
Wrightstown STP (NJ0022985)	0.2	0.155	83.1-28.7	97.8- 8.3

Project Description

The proposed project will upgrade the plant's secondary treatment processes. A pump station and emergency generator will be installed. The following process units will also be added to the existing facilities: nitrification/denitrification, sludge dewatering and handling, ultraviolet disinfection, and 24-hour composite sample controls.

Project Name, Number

Priority List Rank

Hudson County Utilities Authority/
Jersey City Sewerage Authority
340928-01
CSO Abatement

23

County

Hudson

Service Area

Jersey City, Kearny, Secaucus

Existing Population

266,455

Need for Project

The combined sewer overflows in the planning area discharge to the Hackensack and Hudson Rivers, and Upper New York Bay. The designated uses for these waters include secondary contact recreation, propagation and maintenance of fish and wildlife populations, the migration of anadromous fish, industrial water supply and other reasonable uses. The water quality is defined as poor due to the presence of high concentrations of indicator organisms such as fecal coliforms and toxic substances, and the observation of depressed levels of dissolved oxygen. The unsatisfactory water quality has been atributed to high pollutant loadings from inadequately treated municipal and industrial effluents, combined sewer overflows and non-point sources.

Project Description

The proposed project includes in-line storage of combined sewer overflow by the construction of barriers in trunk sewers, regulator automation, and utilization of available interceptor space. Also, the project consists of the construction of screening and disinfection facilities at the 33 Jersey City Sewerage Authority combined sewer overflow points. In addition, extension of the Mill Creek, Richard Street, Clendenny Avenue, Secaucus Road, and Sip Avenue outfalls is proposed.

Some rehabilitation of chambers, relocation of regulators and outfall line has been completed under National Marine CSO funds. The major portion of the project in this planning area has not been funded.

Project Name, Number	Priority List Rank
Elizabeth City 340942-02 CSO Correction	24

County

Union

Service Area

City of Elizabeth

Existing Population

110,000

Need for Project

The City of Elizabeth owns and operates several combined sewer overflows. The overflows discharge to the Elizabeth River, Arthur Kill, Newark Bay, Great Ditch and Peripheral Ditch. The discharge adversely impacts non-trout fishing and industrial water uses. Water quality does not meet standards for fecal coliform, nutrients and toxics.

Project Description

The proposed project will eliminate the discharge of solids/ floatables larger than a 1/2-inch in diameter from the City's 34 combined sewer overflow points as required by the NJPDES permit. The proposed project includes 20 primary diversion and screening facilities, relief diversion and screening facilities at the 12 internal relief connections, separation of the combined sewers to eliminate CSOs at each of the eight minor outfalls, eight new tide gates, four regulator relocations, new piping for sewer separation, two miles of the new storm and sanitary sewer and a new pipe for a siphon. In addition, catch basins directly connected to the interceptor system would be disconnected. The diversion and screening facilities will provide vertical separation of the flows and include a manually cleaned bar screen with 1/2-inch wide openings to capture solids. Consolidation and separation of small systems will eliminate 11 CSO outfalls.

Project Name, Number

Priority List Rank

Middlesex County Utilities Authority
340699-05
STP Expansion

25

County

Middlesex

Service Area

Most of Middlesex County and parts of Somerset and Union Counties

Existing Population

694,378

Need for Project

MCUA's average monthly flows regularly exceed the 80 percent capacity limit and occasionally exceed the 120 mgd average monthly plant design capacity. MCUA has submitted a Rerating Application to the NJDEPE to rerate the existing plant capacity to 147 mgd based on Stress Testing of the Plant Facilities. This Rerating Application is expected to be approved by NJDEPE by the end of 1991. MCUA's existing wastewater treatment plant will require future expansion beyond this rerated capacity particularly for treating maximum daily and peak hourly flows. The Authority has initiated work on plant expansion in order to be able to treat current and future projected flows to assure compliance with its NJPDES permit limitations.

STP (level of treatment)	Flow (mgd) Design	Present	Effluent BOD Reported % - mg/l	SS Reported % - mg/l
Edward J. Patten (NJ0020141)	120	115	92.4 - 17.1	93.4 - 19.3

Project Description

In order to treat the projected increase in service area flows, capacity expansion is necessary to increase the rated capacity of the plant from 120 mgd to 180 mgd. Additional facilities include new final settling tanks, new aerated grit chambers, modification of the existing grit chambers, new primary settling tanks and associated pipe galleries. These improvements will improve the efficiency and maintainability of the plant. Other improvements include modifications to the existing UNOX tanks, conversion of the existing aerobic digesters into UNOX tanks, and upgrading and replacement of existing obsolete instrumentation and control systems.

The plant currently uses chlorine for disinfection. In order to eliminate the chlorine residuals, an ozone disinfection system was piloted and was demonstrated to be viable and suitable for implementation.

Project Name, Number

Priority List Rank

Hudson County Utilities Authority
340399-09
Combined Sewer Overflow Abatement

26

County

Hudson

Service Area

Guttenberg, Hoboken, Union City, Weehawken, West New York (HCUA Planning Area III)

Existing Population

194,436

Need for Project

The combined sewer overflows in the planning area discharge to the Hudson River. The designated water uses for the Hudson River include secondary contact recreation, propagation and maintenance of fish and wildlife populations, the migration of anadromous fish, industrial water supply and other reasonable uses. The water quality has been defined as poor due to the presence of high concentrations of indicator organisms such as fecal coliforms and toxic substances, and the observation of depressed levels of dissolved oxygen. The unsatisfactory water quality has been attributed to the continuous diversion of dry and wet weather sanitary sewer flows to the river. The combined sewer system, which is 100+ years old, contains collapsing sewer lines, and regulators and tide gates that are deteriorated and stuck. This condition has resulted in diversions of sewage flows to the river and intrusion of tidal flows into the system and treatment works.

Project Description

The construction of in-line storage facilities utilizing existing sewers is planned for Hoboken. In West New York, the construction of swirl concentrators is proposed. Studies indicate that facilities to abate pollution in Union City and Weehawken would not be cost effective.

Although this project has not been formally adopted by HCUA, studies indicate that this work is the most cost effective solution to pollution abatement.

The rehabilitation of tide gates and regulation in Hoboken, Weehawken and Union City has been funded under Marine CSO funds. However, the major portion of the project in this planning area has not been funded.

Project Name, Number | Priority List Rank

Hoboken-Union City-Weehawken SA (Tri-City SA) 27
340952-01
CSO Abatement

County

Hudson

Service Area

Hoboken, Union City, and Weehawken

Existing Population

70,000

Need for Project

Due to system capacity limitations, combined sewage surcharges and overflows into the Hudson River, this results in excessive solids and bacteria levels, and floating sewage during wet and dry weather conditions. The designated water uses for the Hudson River include secondary contact recreation, propagation and maintenance of fish and wildlife populations, industrial water supply and other reasonable uses. The water quality has been defined as poor due to the presence of high concentrations of indicator organisms such as fecal coliforms and toxic substances, and the observation of depressed levels of dissolved oxygen. The unsatisfactory water quality has been attributed to the continuous diversion of dry and wet weather sanitary sewer flows to the river.

Project Description

Elimination of dry weather overflows, expansion of conveyance capacity of sewer system to handle peak flows, and removal of solids/floatable greater than 0.5 inches during wet weather flows. The work includes modification of regulators and interceptors to increase conveyance capacity during peak flows, new force main from 18th Street pumping station to treatment plant, new parallel syphon from the 11th Street to the treatment plant, new regulators and/or outfall with solid removal devices, new CSO outfall from 18th Street pumping station and upgrade of 11th, 18th, and Baldwin Avenue pumping stations.

Project Name, Number | Priority List Rank

Linden-Roselle Sewerage Authority 28
340299-04
Infiltration/Inflow Correction-Overflow

County

Union

Service Area

The planning area includes the City of Linden and the Borough of Roselle

Existing Population

58,191

Need for Project

The Authority is required to complete a rehabilitation program to eliminate discharge points 003 and 004, and a sewer separation program to eliminate discharge points 001 and 002 as per the Part IIIb Special Conditions of the existing grant No. C340299-01. These discharges affect the quality of the Rahway River (SE-3). Fishable non-trout and industrial water uses are presently impacted due to fecal coliform, toxics, and DO (marginal) levels being unacceptable.

Project Description

The project is for the construction of relief sewers to enable the LRSA to eliminate discharge points 003 and 004 in the City of Linden. Elimination of these discharge points will improve water quality in the receiving stream. The alignment of relief sewers falls within the Wheeler Park Easement. This project requires the approval from Green Acres.

Project Name, Number

Priority List Rank

Ridgewood Village
340639-05
Infiltration/Inflow Correction-Overflow

29

County

Bergen

Service Area

Village of Ridgewood

Existing Population

24,860

Need for Project

An Infiltration/Inflow (I/I) analysis has been completed which documents the existence of excessive I/I within the service area. An additional study will be undertaken to further define the quantity of excessive I/I that can be cost-effectively removed from this system. This project is needed to eliminate periodic overflow, causing discharge of untreated sewage into the HoHoKus and Diamond Brooks (FW2-NT, previously FW-2) which is adversely affecting the quality of these waterways, and posing a potential public health problem. The brooks have fishing and industrial uses. The affected waterways do not meet standards for fecal coliform and toxics, and marginally meets the dissolved oxygen standard.

Project Description

The proposed project will consist of 820 feet of gravity sewers and 8,400 feet of force main. Three pumping stations will be modified - Ridgewood Lawns P.S.; Bellair Road P.S. and Andover P.S. These mechanical improvements will enable the pump stations to handle additional sewage flows previously bypassed. These improvements are currently being designed.

Project Name, Number

Priority List Rank

Lower Township MUA
340810-03
STP Improvements

30

County

Cape May

Service Area

Lower Township

Existing Population

19,533

Need for Project

Studies performed by NJDEP and the Cape May Board of Health have shown a need to find an alternate water source. The U.S. Geological Survey also indciated the need for an alternative water source. The existing discharge adversely impacts primary contact recreation and shellfish harvesting uses. Water quality does not meet standards or marginally meets standards for certain parameters.

STP	Flow (mgd) Design	Present	BOD5 Reported % - mg/l	SS Reported % - mg/l
Lower Twp STP (NJ0023809)	4.00	1.44	91.4 - 18.52	93.4 - 12.62

Project Description

The proposed solution is to construct a sand filter with an ultravoilet system and distribution system so the water can be used to recharge the local aquifers and halt salt intrusion. Land application of the effluent to local golf courses and farms will be considered.

Project Name, Number

Priority List Rank

Edgewater MUA
340443-04
Combined Sewer Overflow (CSO) Abatement

31

County

Bergen

Service Area

Borough of Edgewater and Cliffside Park

Existing Population

18,500

Need for Project

The Sewage Infrastructure Improvement Act requires elimination of dry weather overflows and reduction of solids/floatables from combined sewer overflows. This area of the Hudson River is classified as an SE-2 watercourse and is currently used for nontrout fishing. Water quality does not meet standards for dissolved oxygen and fecal coliform and marginally meet standards for toxics.

Project Description

Improvement to existing combined sewer overflows at approximately ten locations in Edgewater and Cliffside Park, including the reconstruction of chambers, installation of screens, floatable collectors, grinder pumps, controls, power supply, access (where required), demolition, etc.

NEW JERSEY STATE LIBRARY

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : WARREN TOWNSHIP SA

Project No. : 340964-01 Eligible Project Cost : $3,997,392
FY97 RANK : 32.0
County : WARREN Total State Amount : $3,997,392

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	200
Freshwater Fisheries (Trout/Nontrout)	75/25	25
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	25
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	250

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	50
Fecal Coliform	0	50	100	100
Nutrients	0	25	50	25
Toxics	0	25	50	50
		SUBTOTAL		225

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	25	25
	SUBTOTAL	25

State Planning Commission	.00000
Population	.00187
TOTAL POINTS	500.00187

Project Name, Number

Priority List Rank

Warren Township Sewerage Authority
340964-01
STP

32

County

Warren

Service Area

Warren Township

Existing Population

1,870

Need for Project

Existing STPs are causing pollution and impacting the Passaic River. The river has potable water, fishing and industrial water uses. The water quality does not meet standards for fecal coliform and toxics and marginally meets standards for dissolved oxygen and nutrients.

STP (level of treatment)	Flow (mgd) Design	Present	Effluent BOD5 Reported % - mg/l	SS Reported % - mg/l
Warren Twp SA(Stage I/II) (NJ0022489)	0.47	0.327	96.3 - 2.9	97.1 - 1.9
Warren Twp SA(Stage IV) (NJ0022497)	0.80	0.402	96.6 - 2.8	95.0 - 5.3
Warren Twp SA(Stage V) (NJ0050369)	0.38	0.094	97.1 - 2.8	97.8 - 1.3

Project Description

The Warren Township Sewerage Authority proposes to construct phosphorous reduction facilities at its three STPs.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : RINGWOOD BOROUGH SA

Project No. : 340483-02 Eligible Project Cost : $1,952,637
FY97 RANK : 33.0
County : PASSAIC Total State Amount : $1,952,637

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	200
Freshwater Fisheries (Trout/Nontrout)	75/25	75
Shellfish	125	0
Recreation (Primary Contact)	125	125
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	400

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	50
Nutrients	0	25	50	0
Toxics	0	25	50	25
			SUBTOTAL	75

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	25	25
	SUBTOTAL	25

State Planning Commission	.00000
Population	.00158
TOTAL POINTS	500.00158

Project Name, Number

Priority List Rank

Ringwood Borough Sewerage Authority
340483-02
Interceptor, I/I Correction

33

County

Passaic

Service Area

Ringwood Borough

Existing Population

1,575

Need for Project

Existing pollution is presently caused by malfunctioning subsurface disposal systems throughout the entire service area and the discharge of inadequately treated wastewater to local streams from two existing treatment facilities. These watercourses are used for potable water supply, trout fishing and primary contact recreation. Their water quality marginally meets standards for fecal coliform and toxics.

STP (level of treatment)	Flow (mgd) Design	Present	Effluent BOD5 Reported % - mg/l	SS Reported % - mg/l
Ringwood Borough S.A. (NJ0027006)(High Mt. Brook-FW2-TP(C1))	.036	.040	98.5 - 9.98	98.2 - 7.73
Ringwood Shopping Plaza Forsgate Brook (FW2-TM)	.012	.012	N/A - 10	N/A - 20

* N/A - Not Available

Project Description

The Ringwood Borough Sewerage Authority is currently preparing a Project Report which will address, in detail, its wastewater needs and recommend solutions to problems uncovered during the study. The proposed project includes the abandonment of two STPs and the construction of collection sewers and conveyance systems to transport the sewage to Wanaque Valley RSA for treatment. The proposed project will also correct I/I in the existing sanitary sewer system. The correction procedures include grouting and other measures.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : CLIFFSIDE PARK BOROUGH

Project No. : 340847-02 Eligible Project Cost : $1,006,285
FY97 RANK : 34.0
County : BERGEN Total State Amount : $1,006,285

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	25
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	25
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	50
Fecal Coliform	0	50	100	100
Nutrients	0	25	50	0
Toxics	0	25	50	50
			SUBTOTAL	200

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	250
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	250

State Planning Commission .00000

Population .00110

TOTAL POINTS 500.00110

Project Name, Number

Priority List Rank

Cliffside Park Borough
340847-02
CSO Abatement

34

County

Bergen

Service Area

Section V Area of Cliffside Park

Existing Population

1,100

Need for Project

The purpose of the project is to separate stormwater flows from the combined system which flows to a regulator in Edgewater Borough, the overflow of which enters the Hudson River. This area of the Hudson River is classified as an SE-2 watercourse and is currently used for nontrout fishing. Water quality does not meet standards for dissolved oxygen and fecal coliform and marginally meet standards for toxics. The 38 Acre area currently includes about 25 drainage inlets which are directly connected to the sanitary or combined system.

Project Description

The proposed project includes the construction of a new parallel storm drain in Cliffside Park and connecting same to the downstream storm drainage system of Stormwater Regulator #10 in Edgewater.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : PASSAIC VALLEY SC

Project No. : 340430-02 Eligible Project Cost : $100,557,651
FY97 RANK : 35.0
County : ESSEX Total State Amount : $100,557,651

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	25
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	25
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	50
Fecal Coliform	0	50	100	100
Nutrients	0	25	50	0
Toxics	0	25	50	25
			SUBTOTAL	175

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	250
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	250

State Planning Commission	7.50000
Population	1.35000
TOTAL POINTS	483.85000

Project Name, Number | Priority List Rank

Passaic Valley Sewerage Commissioners (PVSC) 340430-02
Combined Sewer Overflow Abatement | 35

County

Essex, Hudson and Passaic

Service Area

East Newark, Harrison, Kearny, Newark, Paterson

Existing Population

464,972

Need for Project

Wastewater generated in the PVSC service area is treated at its secondary treatment facility located in the City of Newark. During significant rain events, the PVSC interceptor sewers, adjacent to the Passaic River, overflow into this watercourse resulting in the violation of Water Quality Standards for dissolved oxygen, fecal coliform. High levels of toxics are also experienced. The Passaic River in the project area is classified as SE-2 and SE-3. Currently, the river is used for non-trout fishing and industrial water use. This study will determine the extent of the impacts on the Passaic River resulting from combined sewer overflows and develop solutions to those detrimental impacts documented during the study.

Project Description

The first phase of the combined sewer overflow facility plan for the PVSC District has been completed. Phase II of the facility plan will include detailed analysis and design of alternative control measures. Control alternatives analyzed in Phase I included best management practices, minor regulator modifications, inline storage, offline storage, swiss and helical bond regulators, and instream aeration. Alternative evaluation during the second phase of the facility plan will include the computer analysis and final plan selection. The first phase of the facility plan showed that the major loadings to the Lower Passaic River originated from the Upper Passaic and Saddle Rivers and stormwater runoff in non-CSO areas. The selected plan will provide a solution of the impaired water use (industrial water use and non-trout fishing) which result from CSO's.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : PASSAIC VALLEY SEWERAGE COMMISSIONERS

Project No. : 340689-01 Eligible Project Cost : $306,320,805
FY97 RANK : 35.0
County : ESSEX Total State Amount : $306,320,805

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	125
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	25
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	150

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	100
Fecal Coliform	0	50	100	100
Nutrients	0	25	50	50
Toxics	0	25	50	50
			SUBTOTAL	300

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	25	25
	SUBTOTAL	25

State Planning Commission	7.50000
Population	1.35000
TOTAL POINTS	483.85000

Project Name, Number | Priority List Rank

Passaic Valley Sewerage Commissioners 340689-01
Sewage Treatment Plant Improvements | 35

County

Essex

Service Area

Parts of Bergen, Essex, Hudson and Passaic Counties

Existing Population

1,350,000

Need for Project

The Passaic Valley Sewerage Commissioners are investigating improvements to their STP, NJPDES No. NJ0021016. Its existing treatment system provides secondary treatment via a Pure Oxygen Activated Sludge process. The PVSC have signed a consent order to implement improvements at its STP. The existing discharge is to the Newark Bay near Delancey Street, which adversely impacts shellfish and industrial water uses. Water quality does not meet standards for dissolved oxygen, fecal coliform, nutrients and toxics.

STP	Flow (mgd) Design	Flow (mgd) Present	Effluent BOD Reported % - mg/l	Effluent SS Reported % - mg/l
Passaic Valley (NJ0021016)	330	292	90.0 - 20.0	88.0 - 23.0

Project Description

The proposed project includes the upgrading of secondary treatment facilities and the construction of an effluent dechlorination facility.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : PASSAIC VALLEY SC

Project No. : 340689-02 Eligible Project Cost : $25,607,620
FY97 RANK : 35.0
County : ESSEX Total State Amount : $25,607,620

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	125
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	25
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	150

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	100
Fecal Coliform	0	50	100	100
Nutrients	0	25	50	50
Toxics	0	25	50	50
		SUBTOTAL		300

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	25	25
	SUBTOTAL	25

State Planning Commission	7.50000
Population	1.35000
TOTAL POINTS	483.85000

Project Name, Number | Priority List Rank

Passaic Valley Sewerage Commissioners 340689-02
Sewage Treatment Plant Improvements | 35

County

Essex

Service Area

Parts of Bergen, Essex, Hudson and Passaic Counties

Existing Population

1,350,000

Need for Project

The Passaic Valley Sewerage Commissioners are investigating improvements to their STP, NJPDES No. NJ0021016. The existing oxygenation facilities do not contain adequate infrastructure to allow the continuous operation needed for effluent compliance. The installation, which has been in continuous operation for 14 years, does not contain adequate equipment to allow shutdowns for major maintenance without violating effluent requirements. The existing discharge is to Newark Bay near Delancey Street, which adversely impacts shellfish and industrial water uses. Water quality does not meet standards for dissolved oxygen, fecal coliform, nutrients and toxics.

STP	Flow (mgd) Design	Flow (mgd) Present	Effluent BOD Reported % - mg/l	Effluent SS Reported % - mg/l
Passaic Valley (NJ0021016)	330	292	90.0 - 20.0	88.0 - 23.0

Project Description

The proposed project includes the replacement and upgrading of the oxygen dissolution system including gearboxes, aerators, switchgear, and instrumentation. All work will be mechanical and electrical and be on the PVSC site.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : PASSAIC VALLEY SEWERAGE COMMISSIONERS

Project No. : 340689-03 Eligible Project Cost : $132,624,050
FY97 RANK : 35.0
County : ESSEX Total State Amount : $132,624,050

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	125
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	25
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	150

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	100
Fecal Coliform	0	50	100	100
Nutrients	0	25	50	50
Toxics	0	25	50	50
			SUBTOTAL	300

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	25	25
	SUBTOTAL	25

State Planning Commission	7.50000
Population	1.35000
TOTAL POINTS	483.85000

Project Name, Number	Priority List Rank
Passaic Valley Sewerage Commissioners 340689-03 Sewage Treatment Plant Improvements	35

County

Essex

Service Area

Parts of Bergen, Essex, Hudson and Passaic Counties

Existing Population

1,350,000

Need for Project

The Passaic Valley Sewerage Commissioners are investigating improvements to their STP, NJPDES No. NJ0021016. Several STP components are aged and in need of replacement or repair. The headworks have been in continuous operation since 1973 and improved grit and screenings capture is necessary to protect other aspects of the STP. The high strength Zimpro sidestream is returned to the oxygen activated sludge treatment plant which leads to instability in the activated sludge process. Other improvements are needed to the secondary clarifiers, effluent pump controls and the sludge processing equipment. The existing discharge is to Newark Bay near Delancey Street, which adversely impacts shellfish and industrial water uses. Water quality does not meet standards for dissolved oxygen, fecal coliform, nutrients and toxics.

STP	Flow (mgd)		Effluent	
	Design	Present	BOD Reported % - mg/l	SS Reported % - mg/l
Passaic Valley (NJ0021016)	330	292	90.0 - 20.0	88.0 - 23.0

Project Description

The proposed project includes an anaerobic treatment system for the high strength Zimpro sidestream, methane gas recovery and electrical generation facility, removal and replacement of grit/screenings equipment, modifications to eleven final clarifiers, improvements to four variable speed pump controls in the effluent pump station and various improvements to the sludge processing equipment.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : NEWARK CITY

Project No. : 340815-05 Eligible Project Cost : $46,893,423
FY97 RANK : 39.0
County : ESSEX Total State Amount : $46,893,423

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	25
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	25

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	50
Fecal Coliform	0	50	100	100
Nutrients	0	25	50	0
Toxics	0	25	50	50
			SUBTOTAL	200

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	250
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	250

State Planning Commission	7.50000
Population	.31633
TOTAL POINTS	482.81633

Project Name, Number

Priority List Rank

Newark City
340815-05
CSO Abatement

39

County

Essex

Service Area

City of Newark

Existing Population

316,345

Need for Project

The City of Newark must construct improvements to its combined sewer system to comply with General Permit conditions regarding elimination of dry weather overflows and discharge of floatables equal to, or greater than, one-half inch (1/2") diameter.

Project Description

This project consists of the construction of combined sewer overflow control facilities and may include one or more of the following activities: regulator modifications, screening and netting technologies and flow containment.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : PATERSON CITY

Project No. : 340926-01 Eligible Project Cost : $1,396,910
FY97 RANK : 40.0
County : PASSAIC Total State Amount : $1,396,910

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	25
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	25
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	100
Nutrients	0	25	50	50
Toxics	0	25	50	25
			SUBTOTAL	175

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	250
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	250

State Planning Commission	7.50000
Population	.13800
TOTAL POINTS	482.63800

Project Name, Number	Priority List Rank
Paterson City 340926-01 Combined Sewer Overflow	40

County

Passaic

Service Area

Paterson

Existing Population

138,000

Need for Project

Combined Sewer Overflows (CSO) from the City of Paterson discharge to the Passaic River. These overflows represent a public nuisance due to floatables and unacceptable fecal coliform levels. Water quality does not meet standards for nutrients and the level of toxics is only marginally acceptable. The discharges adversely impact the non-trout fishing and industrial uses of the Passaic River.

Project Description

The proposed project will study the CSO problems within the existing sewer system and will evaluate CSO abatement alternatives. The selected corrective measures will then be implemented.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : MIDDLESEX COUNTY UA

Project No. : 340699-03 Eligible Project Cost : $357,098,792
FY97 RANK : 4i.0
County : MIDDLESEX Total State Amount : $357,098,792

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	125
Recreation (Primary Contact)	125	125
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	250

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	50
Fecal Coliform	0	50	100	100
Nutrients	0	25	50	0
Toxics	0	25	50	50
			SUBTOTAL	200

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	25	25
	SUBTOTAL	25

State Planning Commission	.00000
Population	.49657
TOTAL POINTS	475.49657

Project Name, Number

Priority List Rank

Middlesex County U.A. (MCUA)
340699-03
Outfall

41

County

Middlesex

Service Area

Borough of Bound Brook, East Brunswick Sewerage Authority, Township of Edison, Franklin Township Sewerage Authority, Township of Greenbrook, Borough of Highland Park, Borough of Metuchen, Borough of Middlesex, Monroe Township, City of New Brunswick, Borough of Milltown, Township of North Brunswick, Old Bridge Township Sewerage Authority, Township of Piscataway, Borough of North Plainfield, Borough of Watchung, Township of Scotch Plains, City of Plainfield, Borough of Sayreville, Borough of South Bound Brook, Township of South Brunswick, Borough of South Plainfield, Borough of South River, Borough of Spotswood, Borough of Dunellen, Borough of Fanwood

Existing Population

496,562

Need for Project

The MCUA treatment plant currently discharges its treated effluent into the Raritan Bay (SE-1) through a submerged outfall constructed in 1958. Despite the initiation of secondary treatment in 1978, this discharge, acting in conjunction with various other discharges, serves to degrade the water quality of the Bay. Fecal coliform and toxics standards are in violation while DO levels are marginally acceptable. This water quality degradation ultimately limits the use of the Bay for its intended uses of shellfish harvesting and primary contact recreation.

Project Description

This project entails the construction of an extended outfall to discharge to the Raritan Bay. The point of discharge will be determined to maximum diffusion and dilution. When this project is constructed and the various other primary discharges are connected to MCUA, the Bay should be able to be utilized for its intended uses.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : HAMILTON TOWNSHIP

Project No. : 340898-01 Eligible Project Cost : $10,686,034
FY97 RANK : 42.0
County : MERCER Total State Amount : $10,686,034

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	25
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	25
Industrial Water Use	25	25
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	75

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	50
Fecal Coliform	0	50	100	100
Nutrients	0	25	50	50
Toxics	0	25	50	0
			SUBTOTAL	200

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	200
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	200

State Planning Commission	.00000
Population	.09542
TOTAL POINTS	475.09542

Project Name, Number	Priority List Rank
Hamilton Township 340898-01 STP	42

County

Mercer

Service Area

Hamilton Township, Washington Township,
31% of West Windsor Township

Existing Population

95,421

Need for Project

The effluent from the existing treatment plant is not meeting water quality standards for ammonia, required under the NJPDES permit conditions. The Hamilton Township facility discharges into Crosswicks Creek (FW2-NT) classified as fishable, non-trout which also has agricultural and industrial uses; this water body does not meet standards for fecal coliform and nutrients and is marginally acceptable for dissolved oxygen.

	Flow (mgd)		Effluent	
STP (level of treatment)	Design	Present	BOD Reported	SS Reported
			% - mg/1	% - mg/1
Hamilton Twp. (Secondary) (NJ 0026301)	16.0	10.2	64.3 - 56.4	95.4 - 10

Project Description

The proposed project involves the construction of an addition to the existing wastewater treatment plant for treatment of ammonia to comply with water quality standards.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : HUDSON COUNTY UA (BAYONNE)

Project No. : 340399-08 Eligible Project Cost : $14,846,577
FY97 RANK : 43.0
County : HUDSON Total State Amount : $14,846,577

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	25
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	25

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	50
Fecal Coliform	0	50	100	100
Nutrients	0	25	50	0
Toxics	0	25	50	50
			SUBTOTAL	200

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	250
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	250

State Planning Commission .00000

Population .06270

TOTAL POINTS 475.06270

Project Name, Number | Priority List Rank

Hudson County Utilities Authority | 43
340399-08
Planning Area II - Combined Sewer Overflow Abatement

County

Hudson

Service Area

City of Bayonne

Existing Population

62,695

Need for Project

The combined sewer overflows of the planning area discharge to Upper New York Bay, Kill Van Kull and Newark Bay. The designated water uses for these waters include secondary contact recreation, propagation and maintenance of fish and wildlife populations, the migration of anadromous fish, and industrial supply and other reasonable uses. The water quality has been defined as poor due to the presence of high concentrations of indicator organisms such as fecal coliforms, and toxic substances, and the observation of depressed levels of dissolved oxygen. The unsatisfactory water quality has been attributed to high pollutant loadings from inadequately treated municipal and industrial effluents, combined sewer overflows and non-point sources. The deteriorated condition of the combined sewer system, which consists of approximately 95% of the sewage system of the planning area, has resulted in a continuous diversion of sewage to the receiving waters and the introduction of tidal waters into the collection system and treatment works.

Project Description

The construction of an aggregate off-line storage volume of about 1,733,000 cubic feet of storage distributed among 12 overflows located with remote monitoring and control, some conduit, regulator and tidegate repair, and the construction of remote disinfection facilities. Flows up to 22 mgd would receive secondary treatment. Flows in excess of 22 mgd would receive primary treatment varying with respect to the flow rate. The system will involve centralized monitoring of the interceptor and storage basin levels, and remote control of the basin emptying back into the interceptor during periods of reduced flow. The stored combined flows, which are returned to the system, will then receive secondary treatment at the plant. Although the project has not been formally adopted by HCUA at this time as the selected plan, the preliminary studies indicate that the project described above is the most cost effective solution with respect to CSO load reduction and pollution abatement.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : HARRISON TOWN

Project No. : 340341-03 Eligible Project Cost : $4,653,327
FY97 RANK : 44.0
County : HUDSON Total State Amount : $4,653,327

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	25
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	25
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	50
Fecal Coliform	0	50	100	100
Nutrients	0	25	50	0
Toxics	0	25	50	25
			SUBTOTAL	175

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	250
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	250

State Planning Commission .00000

Population .01343

TOTAL POINTS 475.01343

Project Name, Number

Priority List Rank

Harrison Town
340341-03
CSO Abatement

44

County

Hudson

Service Area

Town of Harrison

Existing Population

13,425

Need for Project

This project is needed to implement CSO treatment/control measures necessary to bring the Town of Harrison into compliance with NJPDES permit requirements.

Project Description

The proposed project is for the implementation of the cost-effective, environmentally sound alternative to eliminate or treat CSO discharges to bring the City into compliance with its NJPDES permit limits.

PVSC owns and operates the regulator chambers that control flow into the PVSC Treatment Plant. There are seven CSO discharge points/PVSC regulators in the Town of Harrison.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : LITTLE FALLS MUA

Project No. : 340716-02 Eligible Project Cost : $19,445,652
FY97 RANK : 45.0
County : PASSAIC Total State Amount : $19,445,652

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	25
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	25
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	100
Fecal Coliform	0	50	100	100
Nutrients	0	25	50	0
Toxics	0	25	50	25
			SUBTOTAL	225

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	200
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	200

State Planning Commission	.00000
Population	.01222
TOTAL POINTS	475.01222

Project Name, Number

Priority List Rank

Little Falls MUA
340716-02
STP, PS, FM

45

County

Passaic

Service Area

Township of Little Falls and small areas of Cedar Grove and North Caldwell

Existing Population

12,215

Need for Project

The effluent from the Township's plant is presently discharging to the Peckman River. However, preliminary facilities planning has recommended a new outfall to the Passaic River (FW2-NT classification). The plant must be upgraded to provide Level 2 treatment for the discharge of effluent to the Passaic River. Water quality marginally meets standards for toxics, but exceeds standards for DO and fecal coliform, thus impacting nontrout maintenance and industrial water use.

STP (level of treatment)	Flow (mgd) Design	Present	Effluent BOD Reported % - mg/l	SS Reported % - mg/l
Little Falls (Secondary) (NJ0024732)	0.86	1.78	82.1 - 30.5	89.0 - 20.9

Project Description

This proposed project is for the construction of primary and secondary settling, conversion to high-rate trickling filters, chemical addition, rotating biological contactors, filtration, post aeration, chlorination, effluent pump station and a new outfall in order to meet Level 2 treatment requirements. The plant will also be expanded from 0.86 million gallons per day (MGD) to approximately 2.0 MGD. This project is presently in the facilities planning stage.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : SUSSEX COUNTY MUA (POCHUCK)

Project No. : 340503-03 Eligible Project Cost : $10,967,931
FY97 RANK : 46.0
County : SUSSEX Total State Amount : $10,967,931

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	75
Shellfish	125	0
Recreation (Primary Contact)	125	125
Agricultural Water Use	25	25
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	225

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	50
Fecal Coliform	0	50	100	100
Nutrients	0	25	50	25
Toxics	0	25	50	25
			SUBTOTAL	200

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission	.00000
Population	.01193
TOTAL POINTS	475.01193

Project Name, Number

Priority List Rank

Sussex County MUA - Pochuck
340503-03
STP, PS, FM, INT.

46

County
Sussex

Service Area

The study area delineated as the Pochuck River Basin consists of a large section (62%) of Vernon Township and a portion (3%) of Hardyston Township.

Existing Population
11,926

Need for Project

Vernon Township is experiencing an increasing number of septic system failures. Furthermore, a number of existing systems have been found to be inadequate with regard to design and/or construction deficiencies. As evidenced by a local enforcement issue in the Barry Lakes area of Vernon, this situation has the potential of becoming a public health problem. In addition, there are two existing package plants. Both STP flows average below their design capacity, however, substantial flow variations to the plants can impact water quality. Water quality concerns include frequent fecal coliform violations, as well as marginal levels of dissolved oxygen, nutrients, and toxics, and the resultant impact upon the fishing, recreational and agricultural water uses of the Wallkill River (trout waters).

STP (level of treatment)	Flow (mgd) Design	Present	Effluent BOD Reported % - mg/l	SS Reported % - mg/l
Americana Hotel NJ0023949	0.50	0.35	N/A - 5.0	N/A - 8.3
Vernon Township School Board	0.035	.00811	97 - 14	97 - 4.6

Project Description

Assistance to SCMUA for this project would provide for the design and construction of adequate wastewater disposal facilities for the Pochuck Basin. The treatment alternatives are many and varied due to the clustered lakeside communities and relative distances and terrain between them. Options would include but not be limited to: regional as well as decentralized treatment, dual systems, low pressure sewers (w/grinder pump or STEP system), cluster systems, and on-site rehabilitation. This will result in a new conveyance/treatment system to eliminate the septic failures.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : DELANCO TOWNSHIP SA/WILLINGBORO MUA

Project No. : 340956-01 Eligible Project Cost : $4,433,261
FY97 RANK : 47.0
County : BURLINGTON Total State Amount : $4,433,261

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	200
Freshwater Fisheries (Trout/Nontrout)	75/25	25
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	25
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	250

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	50
Fecal Coliform	0	50	100	100
Nutrients	0	25	50	25
Toxics	0	25	50	25
			SUBTOTAL	200

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	25	25
	SUBTOTAL	25

State Planning Commission	.00000
Population	.00332
TOTAL POINTS	475.00332

Project Name, Number — Priority List Rank

Delanco Township SA/Willingboro MUA — 47
340956-01
Pumping Station, Force Main, STP Upgrade/Expansion

County

Burlington

Service Area

Township of Delanco

Existing Population

3,316

Need for Project

Delanco has been piping its sewage to an aging STP in Beverly for about 40 years. The Beverly STP's permit is up for review in 1994. Because stringent water quality standards may require expensive upgrades, the Township is considering piping its sewage to the Willingboro MUA STP for economic reasons. The existing Beverly STP discharge impacts potable water, fishable, and industrial uses of the Delaware River. Water quality does not meet standards for fecal coliform and marginally meet standards for dissolved oxygen, nutrients and toxics.

STP (level of treatment)	Flow (mgd) Design	Flow (mgd) Present	Effluent BOD Reported % - mg/l	Effluent SS Reported % - mg/l
Beverly STP (NJ0027481)	1.0	0.415	96 - 9.5	92 - 22.0
Willingboro MUA (NJ0023361)	5.2	4.8	95 - 12	96 - 9.4

Project Description

The proposed project consists of increasing the pumping capacity from 500gpm to 1050gpm, adding an emergency power standby generator and installing a sodium hypochlorite feed system at the existing Delanco final pumping station and constructing a 16,400 linear feet force main from the pumping station to the Willingboro MUA STP. Also included in this project is the construction necessary to upgrade and increase the capacity of the Willingboro MUA STP to handle an additional 0.536 mgd.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : LAMBERTVILLE SA

Project No. : 340882-03 Eligible Project Cost : $10,426,744
FY97 RANK : 48.0
County : HUNTERDON Total State Amount : $10,426,744

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	25
Shellfish	125	0
Recreation (Primary Contact)	125	125
Agricultural Water Use	25	25
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	175

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	100
Nutrients	0	25	50	50
Toxics	0	25	50	50
			SUBTOTAL	200

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission	.00000
Population	.01200
TOTAL POINTS	425.01200

Project Name, Number

Priority List Rank

Lambertville SA
340882-03
STP Expansion

48

County

Hunterdon

Service Area

Lambertville, Stockton, parts of Delaware Township, West Amwell Township and New Hope, PA.

Existing Population

12,000

Need for Project

The expansion will include the upgrading of the treatment process and a new outfall to enable the plant to meet its new NJPDES permit which is expected to be issued in 1992. The expansion will also provide new capacity to permit West Amwell and East Amwell Townships to continue growing in accordance with their master plans.

STP (level of treatment)	Flow (mgd) Design	Present	Effluent BOD Reported % - mg/l	SS Reported % - mg/l
Lambertville SA (NJ0020915)	1.5	0.713	91 - 12	95 - 6.1

Project Description

The proposed project involves the construction of a new outfall, minor STP improvements and STP expansion from 1.5 mgd to 3.0 mgd.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : MEDFORD LAKES BOROUGH

Project No. : 340463-06 Eligible Project Cost : $4,135,382
FY97 RANK : 49.0
County : BURLINGTON Total State Amount : $4,135,382

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	25
Shellfish	125	0
Recreation (Primary Contact)	125	125
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	150

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	50
Fecal Coliform	0	50	100	100
Nutrients	0	25	50	50
Toxics	0	25	50	50
			SUBTOTAL	250

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	25	25
	SUBTOTAL	25

State Planning Commission	.00000
Population	.00500
TOTAL POINTS	425.00500

Project Name, Number

Priority List Rank

Medford Lakes Borough
340463-06
STP Upgrade

49

County

Burlington

Service Area

Medford Lakes Borough, portions of Medford Township

Existing Population

5,000

Need for Project

The Rancocas Creek and the lakes in the headwaters of the Haynes Creek are classified as FW2-NT nontrout waters with primary contact recreational uses. The existing water quality does not meet standards for fecal coliform, nutrients and toxics and marginally meets standards for dissolved oxygen. The effluent from the existing wastewater treatment facilities have exceeded the assimilative capacity of the stream and the facilities do not afford the degree of treatment to safely accommodate the current and future population within the service area. The project is needed to provide advanced wastewater treatment in order to comply with the Borough's NJPDES permit and ACO requirements. The following is the existing inventory of the wastewater facilities:

STP (level of treatment)	Flow (mgd) Design	Present	Effluent BOD Reported % - mg/l	SS Reported % - mg/l
Medford Lakes Borough (NJ0021326)	.55	.41	89.7- 19.3	95.6 - 5.1

Project Description

The proposed project consists of the construction of a new "Bardenpho" treatment process (biological treatment for BOD, SS and nutrient removal) combined with rapid sand filters for effluent polishing and the demolition of existing Imhoff tanks, trickling filter and slow sand filter.

The ultimate sludge disposal will be incorporated into the county-wide sludge management facility.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : HACKENSACK CITY

Project No. : 340923-01 Eligible Project Cost : $2,285,000
FY97 RANK : 50.0
County : BERGEN Total State Amount : $2,285,000

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	25
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	25
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	50
Nutrients	0	25	50	25
Toxics	0	25	50	25
			SUBTOTAL	100

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	250
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	250

State Planning Commission	.00000
Population	.03705
TOTAL POINTS	400.03705

Project Name, Number

Priority List Rank

Hackensack City
340923-01
CSO Correction

50

County

Bergen

Service Area

Hackensack

Existing Population

37,049

Need for Project

Original sewage regulators dating from the 1930's could not handle the "dry weather flow" definitions currently being used by NJDEP and the growth in the service area. The City has been cited by NJDEP for illegal CSO discharges and an agreement was reached on the design capacity for new equipment to handle projected flows through 2020. Water quality is only marginally acceptable for fecal coliform, nutrients, and toxics. The non-trout fishing and industrial uses of the Hackensack River were adversely impacted by the CSO discharges.

Project Description

A Phase II study entitled "Maximization of Combined Sewage Interception" dated December 1990 was prepared and submitted to the NJDEP. The study disclosed that the increase in pollutants discharged into the Hackensack River from the BCUA treatment plant caused by the additional hydraulic loading would be greater than the intercepted CSO pollutants being conveyed to the plant.

A Phase III study for the removal of solids/floatables in the CSO discharge is currently underway. Alternatives for achieving the removal of solids 1/2 inch and over will be investigated.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : WARREN CO-PAULINSKILL/BLAIRSTOWN

Project No. : 340453-03 Eligible Project Cost : $2,607,692
FY97 RANK : 51.0
County : WARREN Total State Amount : $2,607,692

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	75
Shellfish	125	0
Recreation (Primary Contact)	125	125
Agricultural Water Use	25	25
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	225

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	100
Nutrients	0	25	50	25
Toxics	0	25	50	25
			SUBTOTAL	150

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	25	25
	SUBTOTAL	25

State Planning Commission	.00000
Population	.00489
TOTAL POINTS	400.00489

Project Name, Number	Priority List Rank
Warren County Paulinskill/Blairstown 340453-03 STP, Int., PS, FM, Sludge/Septage	51

County

Warren

Service Area

Blairstown Township

Existing Population

4,890

Need for Project

Portions of Blairstown have documented septic failure which may eventually lead to health problems. It was determined that the fecal coliform count violates the water quality standards and marginally meets standards for nutrients and toxics. At present, there are two privately owned and operated STP's in the study area. At the time the regional facilities become available the existing plants will tie into it. North Warren Regional High School is occasionally in noncompliance with their NJPDES permit requirements, which indicates inadequate secondary treatment. Primary contact recreation and agricultural water use are adversely impacted. This project is proposed in order to meet the stringent requirements established for the receiving waters.

STP (level of treatment)	Flow (mgd) Design	Present	Effluent BOD Reported % - mg/l	SS Reported % - mg/l
Blair Academy (Secondary) (NJ0022101)	0.05	0.008	96.1 - 5.2	90.7 - 7.4
North Warren Regional High School (Secondary) (NJ0031046)	0.005	0.007	92.8 - 15.8	94.0 - 9.7

Project Description

The selected plan for this project will include a sewage treatment plant, interceptor, pump station, force main and possible sludge/septage management.

NEW JERSEY STATE LIBRARY

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : BURLINGTON TOWNSHIP

Project No. : 340712-03 Eligible Project Cost : $10,053,883
FY97 RANK : 52.0
County : BURLINGTON Total State Amount : $10,053,883

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	200
Freshwater Fisheries (Trout/Nontrout)	75/25	25
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	25
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	250

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	50
Fecal Coliform	0	50	100	50
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	100

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	25	25
	SUBTOTAL	25

State Planning Commission	.00000
Population	.00965
TOTAL POINTS	375.00965

Project Name, Number

Priority List Rank

Burlington Township
340712-03
STP

52

County

Burlington

Service Area

Burlington Township

Existing Population

9,650

Need for Project

Burlington Township's Central Avenue Sewage Treatment Plant (STP) discharges its effluent to Tanners Run which flows into the Delaware River (Zone 2). The discharge impacts nontrout fishing and agricultural uses, as well as potable water uses at the Philadelphia-Torresdale water treatment plant. Marginal violations of dissolved oxygen and fecal coliform water quality standards have been experienced.

STP (level of treatment)	Flow (mgd) Design	Present	Effluent BOD Reported % - mg/l	SS Reported % - mg/l
Central Avenue STP (NJ0021709)	1.65	1.16	89.8 - 14.25	94.9 - 10.5

Project Description

The Central Avenue STP is to be expanded from 1.65 million gallons per day (MGD) to 3.65 MGD design capacity. In addition, the level of treatment will be upgraded and the effluent discharge will be relocated from Tanners Run to the Delaware River.

The existing trickling filter process will be replaced by a modified oxidation ditch arrangement, commonly referred to as Phased Isolation Ditch Technology to provide an advanced level of secondary treatment. The proposed process is capable of achieving a consistently high percentage of biochemical oxygen demand and suspended solids removals. In addition, the process is being designed to perform nitrification of the wastewater, which will minimize discharges of ammonia nitrogen.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : JEFFERSON TOWNSHIP (ROCKAWAY)

Project No. : 340747-04 Eligible Project Cost : $6,526,217
FY97 RANK : 53.0
County : MORRIS Total State Amount : $6,526,217

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	75
Shellfish	125	0
Recreation (Primary Contact)	125	125
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	200

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	50
Nutrients	0	25	50	50
Toxics	0	25	50	25
			SUBTOTAL	125

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission	.00000
Population	.00787
TOTAL POINTS	375.00787

Project Name, Number	Priority List Rank
Jefferson Township (Rockaway) 340747-04 INT, PS, FM, COLL	53

County

Morris

Service Area

Jefferson Township (Rockaway River Basin)

Existing Population

7,878

Need for Project

Some of the on-site systems that exist in the Rockaway River Basin of Jefferson Township have documented repeated failures. Most of the systems are failing due to shallow depth to bedrock, high water tables and steep slopes. Rehabilitation has been attempted on some systems but the results have been generally unsuccessful. Trout fishing and primary contact recreation uses of Russia Brook (FW2-TM) are adversely impacted due to the unacceptable levels of nutrients and marginally acceptable levels of toxics and fecal coliform. These facilities may pose serious health hazards in the future for the township if not corrected.

Project Description

This project includes the design and construction of a local wastewater system for the Rockaway River Basin portion of Jefferson Township. The recommended wastewater management plan for this portion of Jefferson Township consists of two major parts: 1) centralized sewer service for Cozy Lake, Lake Swannanoa and White Pine Lake area in the Rockaway Basin and 2) Septic Management for the remaining portions.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : HOWELL TWP MUA

Project No. : 340832-01 Eligible Project Cost : $5,877,522
FY97 RANK : 54.0
County : MONMOUTH Total State Amount : $5,877,522

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	75
Shellfish	125	0
Recreation (Primary Contact)	125	125
Agricultural Water Use	25	25
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	225

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	50
Nutrients	0	25	50	25
Toxics	0	25	50	25
			SUBTOTAL	100

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.00192
	TOTAL POINTS	375.00192

Project Name, Number

Howell Township MUA
340832-01
Collection System, Int.

Priority List Rank

54

County

Monmouth

Service Area

Howell Township

Existing Population

1,925

Need for Project

The Freewood Acres section of Howell Township is currently relying on on-site septic disposal systems for the treatment of wastewater. Many of these existing systems provide inadequate treatment, which has resulted in the degradation of Aldrich Lake. Aldrich Lake experiences high fecal coliform, toxics, and nutrients concentrations. Consequently, trout fishing, primary contact recreation, and farming are impacted.

Project Description

Preliminary investigations indicate that a collection system will need to be constructed in the planning area. The collection system will be connected via an interceptor into the Manasquan River Regional Sewerage Authority conveyance system for treatment and disposal.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : JEFFERSON TOWNSHIP

Project No. : 340747-02 Eligible Project Cost : $1,952,637
FY97 RANK : 55.0
County : MORRIS Total State Amount : $1,952,637

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	75
Shellfish	125	0
Recreation (Primary Contact)	125	125
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	200

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	50
Nutrients	0	25	50	50
Toxics	0	25	50	25
			SUBTOTAL	125

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	25	25
	SUBTOTAL	25

State Planning Commission	.00000
Population	.01671
TOTAL POINTS	350.01671

Project Name, Number

Priority List Rank

Jefferson Township
340747-02
STP, Sludge/Septage Management

55

County

Morris

Service Area

Jefferson Township

Existing Population

16,710

Need for Project

The need for the development of a wastewater management plan for the Township of Jefferson has resulted from problems being experienced with existing on-site disposal systems. These systems are adversely affecting fishable trout and primary contact recreation waters, and the limited ability of four small treatment plants to provide adequate treatment. Fecal coliform and toxics levels are marginally acceptable and nutrients levels are totally unacceptable. Also, the sludge generated is being stored in an old tank on-site at the White Rock Lake STP, which is an unsatisfactory sludge disposal method. The receiving stream is a tributary of Mitt Pond which ultimately flows in the Boonton reservoir. High and Middle School discharges to Russia Brook (FW2-TM).

STP (level of treatment)	Flow (mgd) Design	Present	Effluent BOD Reported % - mg/l	SS Reported % - mg/l
High and Middle School (secondary)	0.28	N/A*	99.6 - 5.96	99.9 - 7.15
White Rock Lake (AWT) (NJ0026867)	0.155	0.0621	98.7 - 6.375	95.7 - 5.0

*Information Not Available

Project Description

Jefferson Township performed a 201 Study for portions of Jefferson which lie both in the Rockaway Basin and Upper Musconetcong Basin (See C340747-05 for description of the Musconetcong plan). The proposed plan for Rockaway consists of expansion and upgrading of the existing White Rock Lake STP to 250,000 gpd and using the oxidation ditch process. Wastewater from the Cozy Lake, Lake Swannomoa and the White Rock Lake areas would be treated there. The proposed facility would include a pumping station, force main, interceptor and collection system.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : HAMMONTON TOWN

Project No. : 340927-02 Eligible Project Cost : $4,126,092
FY97 RANK : 56.0
County : ATLANTIC Total State Amount : $4,126,092

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	25
Shellfish	125	0
Recreation (Primary Contact)	125	125
Agricultural Water Use	25	25
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	175

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	100
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	50
Toxics	0	25	50	0
			SUBTOTAL	150

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	25	25
	SUBTOTAL	25

State Planning Commission	.00000
Population	.01019
TOTAL POINTS	350.01019

Project Name, Number

Priority List Rank

Hammonton Town
340927-02
Land Application System

56

County

Atlantic

Service Area

Hammonton

Existing Population

10,187

Need for Project

The Pinelands Commission has directed that the discharge to Hammonton Creek must cease at the expiration of the NJPDES Permit. Also, the treated effluent requires additional nitrate-nitrogen removal in order to meet the Pinelands limit. The Town of Hammonton entered into an ACO with the Department to build a suitable land application facilities to comply with the Pinelands Commission's direction. The treatment plant discharge adversely impacts primary contact recreation, nontrout fishing, and agricultural uses of these water bodies. Water quality currently does not meet standards for dissolved oxygen or nutrients.

STP (level of treatment)	Flow (mgd) Design	Flow (mgd) Present	Effluent BOD Reported % - mg/l	Effluent SS Reported % - mg/l
Town of Hammonton (NJ0025160)	1.6	1.0	93.0 - 19.0	92.0 - 20.0

Project Description

The proposed project is the second phase of the Hammonton wastewater treatment facilities. It consists of a land application system for treated effluent. The proposed system, the slit-trench forest application system, is a modification of the infiltration-percolation method. Proposed facilities also include an on-site storage lagoon from where the effluent will be released and dissipated into the ground at a controlled rate.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : MANSFIELD TOWNSHIP

Project No. : 340935-01 Eligible Project Cost : $1,396,910
FY97 RANK : 57.0
County : WARREN Total State Amount : $1,396,910

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	75
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	25
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	100

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	50
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	50

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	200
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	200

State Planning Commission	.00000
Population	.00100
TOTAL POINTS	350.00100

Project Name, Number	Priority List Rank
Mansfield Township - Diamond Hill 340935-01 Secondary and Advanced Treatment	57

County

Warren

Service Area

Diamond Hill Development

Existing Population

1,000

Permit Number

NJPDES NJ0028592

Need for Project

The existing facilities at the Diamond Hill Sewer Company, which serves the Diamond Hill Development, is inadequately treating sewage and has been doing so for a few decades. The discharge is to Hances Brook, which is classified as FW2-Trout Production Category One waters. The private owner of the sewer company would not make the necessary repairs to the facilities, so Mansfield Township decided to takeover the Diamond Hill Sewer Company and correct the treatment plant as required.

Project Description

A completely new treatment plant will be constructed, including secondary and advanced treatment facilities. All existing facilities are inadequate for reuse Infiltration/Inflow will also be corrected in the collection system in conjunction with Project Number C340935-02.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : BERGEN COUNTY UA

Project No. : 340386-04 Eligible Project Cost : $86,505,939
FY97 RANK : 58.0
County : BERGEN Total State Amount : $86,505,939

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	25
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	25
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	100
Fecal Coliform	0	50	100	100
Nutrients	0	25	50	0
Toxics	0	25	50	50
		SUBTOTAL		250

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	25	25
	SUBTOTAL	25

State Planning Commission	.00000
Population	.49114
TOTAL POINTS	325.49114

Project Name, Number

Priority List Rank

Bergen County Utilities Authority
340386-04
AWT/PS, FM

58

County

Bergen

Service Area

The BCUA currently serves 46 municipalities.

Existing Population

491,143

Need for Project

The effluent from the BCUA treatment plant is discharged into the Hackensack River SE waters, which is a tidal estuary below the Oradell Reservoir dam. Water quality in the Hackensack River violates standards for dissolved oxygen, fecal coliform and toxics. In addition, the NJDEP has indicated that the tidal Hackensack River is "water quality limited". Therefore, better than secondary treatment will be required for continued discharging into the Hackensack River.

STP (level of treatment)	Flow (mgd) Design	Present	Effluent BOD5 Reported % - mg/l	SS Reported % - mg/l
BCUA (secondary) (NJ0020028)	75	77.3	95.5-7.05	86.6-22.3

* Plant expansion work continuing

Project Description

BCUA has developed a facilities plan to identify and evaluate the most cost-effective system to meet the desired water quality standards. Considered for implementation was upgrading the BCUA treatment plant to Level 3 and continue discharging into Hackensack River versus remaining at present treatment capabilities and constructing a trunk line discharging into the Hudson River. The Hudson River discharge was recommended as most cost effective.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : -HUDSON COUNTY UA(N.B.-CENTRAL)

Project No. : 340399-20 Eligible Project Cost : $25,607,320
FY97 RANK : 59.0
County : HUDSON Total State Amount : $25,607,320

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	25
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	25
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	100
Fecal Coliform	0	50	100	100
Nutrients	0	25	50	0
Toxics	0	25	50	50
			SUBTOTAL	250

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	25	25
	SUBTOTAL	25
	State Planning Commission	.00000
	Population	.03507
	TOTAL POINTS	325.03507

Project Name, Number

Priority List Rank

Hudson County Utilities Authority
340399-20
STP Upgrade

59

County

Hudson

Service Area

North Bergen

Existing Population

35,066

Need for Project

The Township of North Bergen-Central WWTF will be required to meet "Level 3" treatment. The plant discharges to the Cromakill Creek Tributary-Hackensack River (SE-2). DO and fecal coliform levels are unacceptable and toxics marginally acceptable. The existing STP is also in need of extensive rehabilitation. The receiving waterway has industrial water uses as well as freshwater fishery (non-trout) uses.

STP (level of treatment)	Flow (mgd) Design	Present	Effluent BOD Reported % - mg/l	SS Reporte % - mg/l
Township of North Bergen-Central-WWTF (NJ0034339)	10	5.72	85.8 - 29.5	85.2 - 26.

Project Description

Several alternatives will be evaluated including:

- Transportation to Passaic Valley Sewerage Commission for treatment
- Treatment at Level 2 and pumping of effluent to the Hudson River
- Treatment at Level 3 and discharge at Cromakill Creek

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : LONG BRANCH SA

Project No. : 340336-03 Eligible Project Cost : $1,553,702
FY97 RANK : 60.0
County : MONMOUTH Total State Amount : $1,553,702

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	125
Recreation (Primary Contact)	125	125
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	250

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	25
Toxics	0	25	50	0
			SUBTOTAL	25

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.03000
	TOTAL POINTS	325.03000

Project Name, Number	Priority List Rank
Long Branch Sewerage Authority 340336-03 Joline Ave. Force Main, P.S. and Grit Handling Facilities	60

County
Monmouth

Service Area
City of Long Branch, Borough of West Long Branch (small portion)

Existing Population
30,000

Need for Project
The Long Branch Sewerage Authority is confronted with two wastewater treatment problems. The first problem is the insufficient useable capacity of the existing Joline Avenue Ocean Outfall (capacity 13 mgd). Under normal operation, the existing gravity sewer and outfall pumping station (capacity 8.5 mgd) provide adequate discharge capacity for the treated effluent. However, under emergency and peak flow conditions, an added capacity was formerly provided by a 14 inch force main connected to the North Broadway Ocean Outfall. In June of 1978, a coastal storm completely destroyed the North Broadway Outfall. Without replacement of the lost effluent capacity and with flows in excess of 8.5 mgd, the treatment units are at times overtopped, discharging partially treated wastewater. The second problem stems from the increased amount of grit and sand reaching the plant since the plant was designed. The grit and sand have caused extensive downtime to the primary settling tanks and, in addition, have caused excessive wear on the equipment. The overflow condition coupled with the inadequate secondary treatment caused by the extensive downtime of the primary settling tanks has a negative impact upon the intended uses (i.e, shellfish harvesting and recreation) of the coastal waters (SC) in this area.

STP (level of treatment)	Flow (Mgd) Design	Present	Effluent BOD5 Reported % - mg/l	SS Reported % - mg/l
Long Branch SA (secondary) (NJ0024783)	5.4	4.60	94.3 - 12.7	94.2 -12

Project Description
The project proposes to solve the effluent capacity problem by the construction of 3,500 feet of 20 inch force main between the existing treatment plant and the Joline Avenue Ocean Outfall. The force main will be used for emergency or peak flows in excess of the capacity of the Joline Ave. effluent facilities. Some modifications of the existing pumping facilities at the treatment plant will also be required. This scheme will allow the full 13 mgd capacity of the Joline Ave. Ocean Outfall to be utilized. The excessive grit and sand problem will be corrected by the construction of an appropriate grit removal facility. The completion of these projects will insure adequate secondary wastewater treatment within the Long Branch SA service area.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient :-WASHINGTON BOROUGH

Project No. : 340706-03 Eligible Project Cost : $14,003,377
FY97 RANK : 61.0
County : WARREN Total State Amount : $14,003,377

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	75
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	25
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	100

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	50
Fecal Coliform	0	50	100	100
Nutrients	0	25	50	0
Toxics	0	25	50	50
			SUBTOTAL	200

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	25	25
	SUBTOTAL	25

State Planning Commission .00000

Population .01110

TOTAL POINTS 325.01110

Project Name, Number

Priority List Rank

Washington Borough
340706-03
STP Improvements

61

County

Warren

Service Area

The planning area lies in the Delaware Watershed and consists of Washington Borough and Washington Township. Sewerage service is currently provided in Washington Borough and portions of Washington Township.

Existing Population

11,095

Need for Project

The Borough of Washington owns, operates, and maintains the only sewer collection system and treatment works in the study area. The existing sewerage treatment plant is a secondary facility with a polishing lagoon. Algal build-up in this lagoon has, at times, caused treatment deficiencies with regard to BOD5, SS, and also fecal coliform. Effluent from the treatment plant results in the violation of water quality standards for fecal coliform and toxics, with dissolved oxygen levels marginally acceptable. Agricultural water use is adversely impacted. The discharge is to the Shabbecong Creek, a tributary to Pohatcong Creek (trout waters).

STP (level of treatment)	Flow (mgd) Design	Present	Effluent BOD5 Reported % - mg/l	SS Reported % - mg/l
Washington Borough STP (NJ002113)	0.85	0.58	95.0 - 8.5	94.0 - 13.0

Project Description

The treatment plant will be expanded and upgraded to provide nutrient removal and increase reliability. The outfall will be extended to discharge the effluent directly to Pohatcong Creek.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : GLOUCESTER CO UA (MULLICA HILL)

Project No. : 340526-05 Eligible Project Cost : $638,256
FY97 RANK : 62.0
County : GLOUCESTER Total State Amount : $638,256

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	25
Shellfish	125	0
Recreation (Primary Contact)	125	125
Agricultural Water Use	25	25
Industrial Water Use	25	25
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	200

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	50
Nutrients	0	25	50	0
Toxics	0	25	50	25
			SUBTOTAL	75

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	25	25
	SUBTOTAL	25

State Planning Commission	.00000
Population	.00386
TOTAL POINTS	300.00386

Project Name, Number

Priority List Rank

Gloucester County UA (Mullica Hill)
340526-05
STP, Sludge Management

62

County

Gloucester

Service Area

Harrison Township

Existing Population

3,863

Need for Project

Raccoon Creek (FW2-NT) is a fishable non-trout stream with marginal violations of fecal coliform and toxics and supports recreational, agricultural, and industrial water uses. Based on the ammonia toxicity analysis done by the Department as part of the State's allocation procedure, the Department has given the following effluent limitations (30 day and 7 day averages): NH3 - N - 2 and 3 mg/1, BOD5 - 7 and 10 mg/1, and SS - 8 and 12 mg/1. The plant is presently not meeting these limitations. As a result, the facility needs upgrading to meet advanced levels of treatment including nitrification.

STP (level of treatment)	Flow (mgd) Design	Present	Effluent BOD Reported % - mg/1	SS Reported % - mg/ 1
Mullica Hill-Harrison (Secondary) (NJ0020532)	0.40	.09	94.3 9.1	94 - 11.4

Project Description

The selected plan for this area is the upgrading of the existing Mullica Hill/Harrison Sewage Treatment Plant. In order for the existing facility to meet the advanced treatment levels, it will be necessary to make operational changes in the activated sludge process. Modifications to the raw sewage inlet channel and effluent weirs to the settling zone will be required. Nitrification will be achieved by resizing the existing blowers or by addition of new blowers. The ultimate sludge disposal facilities shall be incorporated into the Gloucester County U.A.'s county-wide plan.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : ATLANTIC COUNTY UA

Project No. : 340809-06 Eligible Project Cost : $8,211,793
FY97 RANK : 63.0
County : ATLANTIC Total State Amount : $8,211,793

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	125
Recreation (Primary Contact)	125	125
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	250

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	25	25
	SUBTOTAL	25

State Planning Commission .00000

Population .22433

TOTAL POINTS 275.22433

Project Name, Number | Priority List Rank

Atlantic County Utilities Authority | 63
340809-06
STP Improvements

County

Atlantic

Service Area

The municipalities of Absecon, Atlantic City, Brigantine, Egg Harbor City, Egg Harbor Township, Galloway, Hamilton, Linwood, Longport, Margate, Northfield, Pleasantville, Somers Point and Ventnor.

Existing Population

224,327

Need for Project

Improvements to the STP are needed to ensure operational reliability and component integrity. Certain process equipment must be replaced or improved. The existing discharge to the Atlantic Ocean has the potential to adversely impact shellfish and recreational uses.

Project Description

The project involves (1) upgrade of the existing sludge incinerator air pollution control system, (2) replacement of five primary clarifiers sludge rake arms including center columns, cages and blades, (3) replacement of railings and gratings located throughout the treatment plant, (4) replacement of the three return activated sludge (RAS) screw pumps, (5) replacement of wastewater treatment plant scum concentrator, (6) replacement of five secondary clarifier rake arms including center columns, cages and blades, (7) installation of five primary clarifier covers with odor control system, (8) replacement of rake arms, support columns, scrapers, motors and drives on the sludge two thickener units, (9) replacement and relocation of the plant washdown pumps, (10) installation of two drywells and four pumps to accommodate the scrubber supply and drainage system and (11) ultraviolet effluent treatment.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : NORTHEAST MONMOUTH COUNTY RSA

Project No. : 340684-04 Eligible Project Cost : $24,339,247
FY97 RANK : 64.0
County : MONMOUTH Total State Amount : $24,339,247

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	125
Recreation (Primary Contact)	125	125
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	250

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	25	25
	SUBTOTAL	25

State Planning Commission .00000

Population .08500

TOTAL POINTS 275.08500

Project Name, Number | Priority List Rank

Northeast Monmouth County RSA 64
340684-04
STP Expansion/Upgrade, Sewer Rehabilitation

County

Monmouth

Service Area

Eatontown, Fairhaven, Little Silver, Monmouth Beach, Ocean Port, Red Bank, Rumson, Sea Bright, Shrewsbury Borough, Shrewsbury Township, Tinton Falls, West Long Branch, Fort Monmouth/Camp Charles Wood

Existing Population

85,000

Need for Project

The STP is reaching its design capacity of 11.4 MGD and is subject to expansion for population growth. The STP discharges to the Atlantic Ocean via an outfall which extends 2,530 feet eastward from the seawall in Monmouth Beach. The discharge adversely impacts shellfish and recreational water uses. In addition, a portion of the interceptor needs to be rehabilitated to reduce infiltration and inflow.

Project Description

The proposed project is to expand the STP from 11.4 MGD to 14.98 MGD yearly average and 17.23 MGD maximum monthly average to accommodate existing and future flows in the area.

The expansion would include modification and upgrade of the existing main pump station and the effluent pump station, each increasing capacity from 21 MGD to 31 MGD. Installation and enclosure of new grit handling facilities. Installation of one new train of mechanical air aeration tanks, two new 100 foot diameter clarifiers and a new return waste sludge transfer unit.

In addition, approximately 2,000 LF of 42-inch diameter interceptor will be rehabilitated by chemical grouting, slip-lining and/or replacement.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : EVESHAM MUA (WOODSTREAM)

Project No. : 340463-05 Eligible Project Cost : $7,132,162
FY97 RANK : 65.0
County : BURLINGTON Total State Amount : $7,132,162

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	25
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	25
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	50
Fecal Coliform	0	50	100	100
Nutrients	0	25	50	0
Toxics	0	25	50	50
			SUBTOTAL	200

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	25	25
	SUBTOTAL	25

State Planning Commission	.00000
Population	.02867
TOTAL POINTS	275.02867

Project Name, Number

Priority List Rank

Evesham MUA (Woodstream)
340463-05
STP, Interceptor

65

County

Burlington

Service Area

Evesham Township (Woodstream)

Existing Population

28,670

Need for Project

The South Branch of the Pennsauken Creek is classified as FW2-NT nontrout waters with industrial water use. The existing water quality is voilated for fecal coliform and toxics with marginal violation of dissolved oxygen. The effluent from the existing wastewater treatment facilities have exceeded the assimilative capacity of the stream and the facilities do not afford the degree of treatment to safely accommodate the current and future population within the Project Area. The following is the existing inventory of the wastewater facilities:

STP (level of treatment)	Flow (mgd) Design	Present	Effluent BOD Reported % - mg/l	SS Reported % - mg/l
Woodstream (NJ0024040)	1.25	.91	96.8 - 10.9	99.1 - 3.3

Project Description

This project is to provide a cost effective regional sewerage system for the Southwest Branch Rancocas Creek drainage basin. Implementation of the project will accomplish the attainment of water quality in area streams, the prevention of health hazards and the protection of the environment. Presently, the facility planning effort is evaluating the various alternatives which will accommodate the required levels of treatment necessary to alleviate the pollution problem. The alternatives which can be implemented are land disposal, discharge to the confluence of the Southwest Branch or discharge at the present location. The ultimate sludge disposal will be incorporated into the on-going countywide sludge and septage management plan recommendations.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : RIDGEWOOD VILLAGE

Project No. : 340639-03 Eligible Project Cost : $16,204,066
FY97 RANK : 66.0
County : BERGEN Total State Amount : $16,204,066

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	25
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	25
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	50
Fecal Coliform	0	50	100	100
Nutrients	0	25	50	0
Toxics	0	25	50	50
			SUBTOTAL	200

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	25	25
	SUBTOTAL	25

State Planning Commission	.00000
Population	.02486
TOTAL POINTS	275.02486

Project Name, Number

Priority List Rank

Ridgewood Village
340639-03
Pumping Station, Force Main

66

County

Bergen

Service Area

Village of Ridgewood

Existing Population

24,860

Need for Project

The area is currently sewered and served by a treatment plant which discharges into the Ho-Ho-Kus Brook classified as FW2-NT, a nontrout fishable and industrial use stream. The project is needed to provide advanced wastewater treatment to comply with the NJPDES permit. Water quality marginally meets standards for dissolved oxygen and does not meet standards for fecal coliform and toxics.

STP (level of treatment)	Flow (mgd) Design	Present	Effluent BOD Reported % - mg/l	SS Reported % - mg/l
Ridgewood Village (NJ0024791)	5.0	3.433	92 - 15	93 - 12

Project Description

The proposed project includes the construction of a pumping station and force main to convey flows to Passaic Valley Sewerage Commissioners' STP for treatment and disposal.

The selected plan consists of the construction of a pumping station at the existing plant site and a three-mile long force main extending through the Borough of Glen Rock, the Borough of Fairlawn and the City of Paterson for discharge into the existing Passaic Valley Sewerage Commissioners' interceptor. The project may also include I/I correction of the existing sewer system in the Village of Ridgewood. The New Jersey Legislature has approved a bill which allows the Village of Ridgewood to connect to the PVSC system.

NEW JERSEY STATE LIBRARY

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : SUSSEX COUNTY MUA

Project No. : 340941-01 Eligible Project Cost : $6,614,815
FY97 RANK : 67.0
County : SUSSEX Total State Amount : $6,614,815

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	75
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	25
Industrial Water Use	25	25
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	125

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	100
Nutrients	0	25	50	25
Toxics	0	25	50	0
			SUBTOTAL	125

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	25	25
	SUBTOTAL	25
	State Planning Commission	.00000
	Population	.02037
	TOTAL POINTS	275.02037

Project Name, Number

Priority List Rank

Sussex County MUA
340941-01
STP Upgrade

67

County

Sussex

Service Area

Boroughs of Hamburg and Franklin, Portions of Hardyston and Vernon Townships

Existing Population

20,635

Need for Project

NJDEP interpretation of their current Anti-Degradation Policy has resulted in proposed (draft) NJPDES permit effluent limitations which are beyond the treatment capabilities of the SCMUA Upper Wallkill Water Pollution Control Facilities (NJ0053350). This plant, which was planned, designed and constructed under the Federal Grants program, is a 2.5 mgd advanced secondary activated sludge facility which discharges to the Wallkill River (FW-2TM). The discharge adversely impacts freshwater (trout), agricultural and industrial water uses. Water quality does not meet standards for fecal coliform and marginally meets standards for nutrients. Sludge disposal is accomplished on-site via composting.

STP (level of treatment)	Flow (mgd) Design	Present	Effluent BOD Reported % - mg/l	SS Reported % - mg/l
Upper Wallkill STP NJ0053350	2.5	1.072	97.63 - 6.2*	97.88 - 6*

* Effluent levels achieved by utilizing entire 2.5 mgd capacity for increased aeration and secondary clarification at current flow rate.

Project Description

To meet NJPDES effluent limitations at the permitted flow of 2.5 mgd, the proposed project consists of construction modifications to upgrade existing treatment capabilities. This may include increased process aeration and clarification unit(s), and the addition of multi-media filtration. Evaluation and selection of treatment alternatives is to be addressed in the Project Report.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : MEDFORD TOWNSHIP

Project No. : 340463-04 Eligible Project Cost : $19,893,456
FY97 RANK : 68.0
County : BURLINGTON Total State Amount : $19,893,456

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	25
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	25

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	50
Fecal Coliform	0	50	100	100
Nutrients	0	25	50	0
Toxics	0	25	50	50
			SUBTOTAL	200

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission	.00000
Population	.02027
TOTAL POINTS	275.02027

Project Name, Number

Priority List Rank

Medford Township
340463-04
STP Upgade

68

County

Burlington

Service Area

Medford Township

Existing Population

20,271

Need for Project

The existing wastewater treatment plant that was constructed in the late 60's and early 70's is obsolete with regard to current technology and NJPDES permit requirements. As a result, the project proposes to upgrade and expand the existing plant from 1.75 MGD to 2.5 MGD. The discharge to the southwest branch of the Rancocas Creek impacts nontrout fishing uses. The water quality standards are marginally met for dissolved oxygen and are not met for fecal coliform and toxics. The proposed project will provide capacity for the existing and future house connections. The following is the existing inventory of the wastewater facilities:

STP (level of treatment)	Flow (mgd) Design	Present	Effluent BOD Reported % - mg/l	SS Reported % - mg/l
Medford Township (Secondary) (NJ0026832)	1.75	1.25	91.35 - 7.6	95.5 - 6.39

Project Description

The proposed project will consist of construction of the upgrade and expansion of the existing Medford Township STP, infiltration/inflow correction, sewer system rehabilitation, new interceptors and related appurtenances. The ultimate sludge disposal will be incorporated into the county-wide sludge management facilities.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : PENNSVILLE SA

Project No. : 340870-02 Eligible Project Cost : $3,164,680
FY97 RANK : 69.0
County : SALEM Total State Amount : $3,164,680

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	25
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	25
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	50
Fecal Coliform	0	50	100	100
Nutrients	0	25	50	0
Toxics	0	25	50	25
			SUBTOTAL	175

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	25	25
	SUBTOTAL	25

State Planning Commission	.00000
Population	.01500
TOTAL POINTS	250.01500

Project Name, Number

Priority List Rank

Pennsville Sewerage Authority
340870-02
STP Upgrade

69

County

Salem

Service Area

Northwestern portion of Pennsville Township, 8 square mile area

Existing Population

15,000

Need for Project

The effluent from the existing treatment plant does not meet the present permit limitations at the rated flow of 1.875 MGD. In addition, the existing liquid sludge handling practices are expensive and are causing odor problems. The Pennsville STP discharge to the Delaware River adversely impacts nontrout fishing and industrial water uses. Fecal coliform standards are not met and water quality standards for dissolved oxygen and toxics are marginally met. The PSA is under an Administrative Consent Order (ACO) because of discharge violations.

STP(level of treatment)	Flow		Effluent			
	Design	Present	BOD Reported %	BOD Reported mg/l	SS Reported %	SS Reported mg/l
Pennsville SA (NJ0021598)	1.875	1.33	89.8	22.7	93.7	11.45

Project Description

The project consists of additions and modifications to the existing sewage treatment plant to meet the permit limits and the limitations expected to be imposed by NJDEPE under a NJPDES permit. The proposed upgrade consists of the following: a) the Rotating Biological Contactor will function as a partial secondary treatment unit and will remain as is. Two plastic media trickling filters with associated pumps and flow distribution will be provided, b) the present anaerobic digesters will be converted to aerobic digesters, and c) a sludge dewatering facility will be installed and will include a two meter wide belt filter press, conditioning tank with mixer, polymer feed system, necessary pumps and related auxiliary equipment. In addition to STP improvements, the PSA intends to replace the existing gravity interceptors as required and improve the existing pumping stations.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : GLOUCESTER CO UA (GIBBSTOWN)

Project No. : 340526-06 Eligible Project Cost : $2,294,564
FY97 RANK : 70.0
County : GLOUCESTER Total State Amount : $2,294,564

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	25
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	25
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	50
Fecal Coliform	0	50	100	100
Nutrients	0	25	50	0
Toxics	0	25	50	25
			SUBTOTAL	175

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	25	25
	SUBTOTAL	25

State Planning Commission	.00000
Population	.00531
TOTAL POINTS	250.00531

Project Name, Number	Priority List Rank
Gloucester County UA-(Gibbstown) 340526-06 STP Upgrading/Sludge Mgmt.	70

County

Gloucester

Service Area

Gibbstown - Greenwich Township

Existing Population

5,318

Need for Project

The Gibbstown plant is discharging to Wiggins Pond, a tributary of the Delaware River. The effluent is not in compliance with the permit requirements. Due to the stringent effluent limitations as established by the Department, discontinuation of the discharge to Wiggins Pond has become necessary. Wiggins Pond (SE-2) is a non-trout stream with severe violations of fecal coliform and marginal violations of D.O. and toxics. Wiggins Pond supports industrial water use. Also, there exists a major problem due to the presence of high-strength chemical wastes. The plant also receives intermittent discharges of slaughtering wastes from a local butchery. The combined effect of these wastes tend to upset the biological processes.

STP (Level of treatment)	Flow (mgd)		Effluent			
	Design	Present	BOD5 Reported		SS Reported	
			%	mg/l	%	mg/l
Gibbstown (Secondary) (NJ0030333)	1.0	0.77	92.2	19.8	89	25.7

Project Description

The project consists of upgrading the existing Gibbstown plant by using the oxidation ditch process and construction of an outfall for direct effluent discharge to the Delaware River. It also includes the construction of influent and effluent pump stations and force mains.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : ALLOWAY TOWNSHIP/QUINTON TOWNSHIP

Project No. : 340965-01 Eligible Project Cost : $9,963,124
FY97 RANK : 71.0
County : SALEM Total State Amount : $9,963,124

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	25
Shellfish	125	0
Recreation (Primary Contact)	125	125
Agricultural Water Use	25	25
Industrial Water Use	25	25
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	200

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission	.00000
Population	.00310
TOTAL POINTS	250.00310

Project Name, Number

Priority List Rank

Alloway/Quinton Township
340965-01
Collection System

71

County

Salem

Service Area

Sections of both Alloway and Quinton Townships

Existing Population

3,100

Need for Project

The on-site septic systems in the proposed service area are malfunctioning and causing groundwater degradation. The area borders Elkington Lake and Laurel Lake as well as Alloway Lake and Alloway Creek. The existing systems are impacting fishable (non-trout), recreational, industrial and agricultural uses of these waterbodies.

Project Description

The proposed project consists of the construction of force mains, gravity sewers and pumping stations. The collected wastewater either will be conveyed to the Salem treatment plant or to a newly erected treatment plant within the service area which will be a part of this project.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : OLD TAPPAN BOROUGH

Project No. : 340948-02 Eligible Project Cost : $8,492,702
FY97 RANK : 72.0
County : BERGEN Total State Amount : $8,492,702

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	200
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	200

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.00200
	TOTAL POINTS	250.00200

Project Name, Number

Priority List Rank

Old Tappan Borough
340948-02
Collection System

72

County

Bergen

Service Area

This project will serve various areas throughout the Borough.

Existing Population

2,000

Need for Project

Many areas of the Borough presently served by on-site systems have exhibited problems and malfunctions as evidenced by foul odors and numerous homeowner complaints, thus causing public nuisance. These on-site disposal systems are impacting upon the Lake Tappan Reservoir.

Project Description

This project is for the construction of a collection system to serve problem areas of the Borough. The proposed project includes future collection system. All of the areas will tie into the existing Little Ferry Wastewater Treatment Plant which is owned and operated by the Bergen County Utilities Authority.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : WYCKOFF TOWNSHIP

Project No. : 340738-03 Eligible Project Cost : $14,494,384
FY97 RANK : 73.0
County : BERGEN Total State Amount : $14,494,384

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	25
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	25
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	100
Nutrients	0	25	50	0
Toxics	0	25	50	50
			SUBTOTAL	150

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission	.00000
Population	.00190
TOTAL POINTS	250.00190

Project Name, Number

Priority List Rank

Wyckoff, Township of
340738-03
Collection System, Int.

73

County

Bergen

Service Area

Township of Wyckoff

Existing Population

1,900

Need for Project

The area is served by on-site septic systems. The majority of these systems do not function satisfactorily, primarily due to poor soil conditions and the age of the individual systems. Health records along with on-site inspections and surveys indicate failing septics are contributing to the degradation of HoHoKus Brook (FW2-NT), consequently impacting fishable non-trout and industrial uses. Water quality in the area does not meet standards for fecal coliform and toxics.

Project Description

Project is currently in the design stage and will involve construction of 71,600 linear feet of lateral sewer and interceptors to replace septic systems. This project, along with C340739-02 (collection system, P.S.) and C340482-02 (pump station, force main, and interceptor) provides an integrated collection system for the Township. Flows will be conveyed to the Northeast Bergen County Utilities Authority interceptor sewer (under construction).

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : DELAWARE TOWNSHIP MUA

Project No. : 340917-01 Eligible Project Cost : $1,522,661
FY97 RANK : 74.0
County : HUNTERDON Total State Amount : $1,522,661

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	75
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	25
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	100

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	100
Nutrients	0	25	50	0
Toxics	0	25	50	25
			SUBTOTAL	125

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	25	25
	SUBTOTAL	25

State Planning Commission	.00000
Population	.00100
TOTAL POINTS	250.00100

Project Name, Number	Priority List Rank
Delaware Township MUA 80340917-01 STP	74

County

Hunterdon

Service Area

Seargentsville (including light business district)

Existing Population

1,000

Need for Project

The Delaware Township MUA is facing an Administrative Consent Order for compliance with the July 1, 1988 deadlines for meeting effluent limits stipulated under the Clean Water Act. An existing treatment facility must be upgraded to meet NJPDES permit limitations; an increase in treatment capacity is also being considered. The Delaware Township MUA also plans to rehabilitate portions of the existing sewer system.

The treatment plant discharges into the Wickecheoke Creek in the Delaware River Basin. This water body is a trout fishery with agricultural water uses; water quality standards for fecal coliform are not being met, while those for toxics are only marginally acceptable.

STP (level of treatment)	Flow (mgd)		Effluent			
	Design	Present	BOD5 Reported		SS Reported	
			%	mg/l	%	mg/l
Delaware Townhip MUA (Secondary) (NJ0020290)	.027	NA	93	13	87.3	16.9

NA - Not Available

Project Description

One alternative under consideration to upgrade the STP is to convert the existing secondary treatment facility into a larger Sequential Batch Reactor System.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient :-NORTH BERGEN TOWNSHIP/HUDSON CO UA

Project No. : 340652-01 Eligible Project Cost : $3,997,392
FY97 RANK : 75.0
County : HUDSON Total State Amount : $3,997,392

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	25
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	25
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	100
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	100

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission	.00000
Population	.01166
TOTAL POINTS	200.01166

Project Name, Number | Priority List Rank

North Bergen Township/ Hudson County UA 340652-01
Collection System | 75

County

Hudson

Service Area

Portions of North Bergen (Area III)

Existing Population

11,656

Need for Project

North Bergen Area III is serviced by the Woodcliff STP. A portion of this district is currently unsewered and contains malfunctioning septic systems. Sanitary connections have been made to an existing storm water system resulting in discharge of untreated sewage to the Hudson River. This discharge impacts industrial water use and freshwater-nontrout uses, as well as contributing to fecal coliform violations. The Hillcrest pumping station contains an overflow and requires rehabilitation.

Project Description

A new sanitary sewer collection system will be constructed to convey flows from the unsewered areas. The illegal connections will be corrected and the flow collected for treatment. Sewage will be transported to the Woodcliff STP or to a neighboring facility for treatment. The Hillcrest Pumping Station will also be rehabilitated.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : WATCHUNG BOROUGH

Project No. : 340823-01 Eligible Project Cost : $1,159,854
FY97 RANK : 76.0
County : SOMERSET Total State Amount : $1,159,854

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	25
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	25

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	100
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	100

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission .00000

Population .00038

TOTAL POINTS 175.00038

Project Name, Number

Priority List Rank

Watchung Borough
340823-01
East End Collection and
Interceptor System

76

County

Somerset

Service Area

The planning area consists of the unsewered area of the East End Section of the Borough of Watchung.

Existing Population

380

Need for Project

The geological conditions make it extremely difficult to meet the NJ State Standards for individual on-site disposal system. In some portions of the project area, seasonally high water tables are common. Malfunctioning on-site systems, and potentially failing septic systems (based on percolation tests) adversely impact the Stony Brook (FW2-NT), which is used for nontrout fishing. Fecal coliform levels are unacceptable.

Project Description

This project will provide a collection and interceptor system for the 101 lots comprising the East End section of the Borough and consists of two phases for the construction of a gravity sewer system. One phase involves four separate extensions in the East End area. These extensions will tie into the MCUA through the Plainfield Joint Meeting sewer system. The other phase consists of two separate extensions in the East End area. These two extensions will tie into the Beverly Heights System.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : WANAQUE VALLEY RSA

Project No. : 340780-03 Eligible Project Cost : $2,718,518
FY97 RANK : 77.0
County : PASSAIC Total State Amount : $2,718,518

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	25
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	25
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	50
Nutrients	0	25	50	25
Toxics	0	25	50	0
			SUBTOTAL	75

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	25	25
	SUBTOTAL	25

State Planning Commission	.00000
Population	.00971
TOTAL POINTS	150.00971

Project Name, Number | Priority List Rank

Wanaque Valley Regional Sewerage Authority 77
340780-03
STP Improvements

County

Passaic

Service Area

Wanaque Borough

Existing Population

9,711

Need for Project

Wanaque Valley Regional Sewerage Authority has proposed improvements and process modifications to their existing wastewater treatment plant in order to increase the efficiency of the wastewater treatment facility. The proposed project is expected to result in improved effluent quality. The existing discharge adversely impacts fishable (non-trout) and industrial water uses. Water quality marginally meets standards for fecal colifrom and nutrients.

STP (level of treatment)	Flow (mgd)		Effluent			
	Design	Present	BOD Reported %	BOD Reported mg/l	SS Reported %	SS Reported mg/l
Wanaque Valley RSA (NJ0053759)	1.25	.782	97.2	4.5	97.7	4.1

Project Description

The proposed project involves minor modifications to improve the effluent quality of the wastewater treatment facility.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : BUENA BOROUGH MUA

Project No. : 340518-03 Eligible Project Cost : $2,909,301
FY97 RANK : 78.0
County : ATLANTIC Total State Amount : $2,909,301

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	25
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	25
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	50
Toxics	0	25	50	0
			SUBTOTAL	50

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	25	25
	SUBTOTAL	25

State Planning Commission .00000

Population .00370

TOTAL POINTS 125.00370

Project Name, Number | Priority List Rank

Buena Borough MUA | 78
340518-03
STP Improvements and Pump Station Upgrade

County

Atlantic

Service Area

Buena Borough

Existing Population

3,669

Need for Project

In order to ensure operational reliability and increase efficiency at the treatment facility, certain equipment and components must be upgraded and/or replaced. In addition, an Administrative Consent Order issued which requires that the existing outfall must be relocated to the Blackwater Branch Stream.

Project Description

The proposed project involves several components including the following: window and door replacement for better heat efficiency; construction of a permanent wall to improve the compost pile circulation; flow equalization to achieve a consistent flow through the STP; ultra-violet equipment to achieve a higher quality effluent; blower upgrades to improve motor efficiency; chemical addition building to meet effluent parameters; polymer system to improve effluent quality; aeration basin improvements to prevent spillage; upgrade existing septage pit pump stations; weir upgrade to improve monitoring of final effluent; upgrade of three existing pumping stations throughout the service area; replacement of sludge filter press and the construction of a new effluent pump station and 3 miles of force main which will discharge the effluent to the Blackwater Branch Stream.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : HUDSON COUNTY UA (AREA I)

Project No. : 340900-01 Eligible Project Cost : $26,962,839
FY97 RANK : 79.0
County : HUDSON Total State Amount : $26,962,839

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	50
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission	7.50000
Population	.21858
TOTAL POINTS	107.71858

Project Name, Number | Priority List Rank

Hudson County UA (City of Jersey City) 340900-01 | 79

County

Hudson

Service Area

City of Jersey City

Existing Population

218,576

Need for Project

The construction of sewers are necessary to replace failing and malfunctioning septic systems in the unsewered areas of the City of Jersey City. These systems are old, inadequate, and are known to cause a public nuisance.

Project Description

This project proposes the construction of a new collection system to service that portion of the City of Jersey City that is unsewered. It will convey the wastewater of this unsewered area of the City to PVSC for wastewater treatment.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : PASSAIC VALLEY SC

Project No. : 340683-05 Eligible Project Cost : $132,505,940
FY97 RANK : 80.0
County : ESSEX Total State Amount : $132,505,940

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	100
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	100
	State Planning Commission	.00000
	Population	1.35000
	TOTAL POINTS	101.35000

Project Name, Number | Priority List Rank

Passaic Valley Sewerage Commissioners 340683-05
Sludge Treatment and Disposal | 80

County

Essex

Service Area

Various communities in Bergen, Essex, Hudson, and Passaic counties

Existing Population

1,319,504

Need for Project

PVSC operates a 230 mgd secondary sewage treatment plant which produces 945,000 dry pounds/day of sludge which is currently dewatered and shipped to Texas. This interim sludge disposal alternative was implemented by the PVSC in order to enable the PVSC to cease the ocean dumping of sewage sludge as mandated by federal and state legislation. However, this practice is costly and its future availability is uncertain.

Project Description

The proposed project would provide a long-term method for the disposal of sewage sludge. A Step 1 grant was awarded in January 1977 for a land-based sludge management study which recommended the implementation of a sludge disposal scheme consisting of a belt filter press for dewatering and incineration. The Sludge Management Plan dated June 1989 recommended a fluidized bed incinerator be constructed as a long-term plan. The PVSC will be required to appropriately update the Sludge Management Plan to ensure that adequate consideration of beneficial reuse alternatives has been included, as required by the Department's White Paper on Beneficial Use of Sewage Sludge, issued in November 1990.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : ESSEX-UNION JOINT MEETING

Project No. : 340686-03 Eligible Project Cost : $19,257,315
FY97 RANK : 81.0
County : UNION Total State Amount : $19,257,315

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	100
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	100
	State Planning Commission	.00000
	Population	.60001
	TOTAL POINTS	100.60001

Project Name, Number — Priority List Rank

Joint Meeting of Essex and Union Counties — 81
340686-03
Sludge treatment and disposal

County

Union

Service Area

16 communities in Essex and Union Counties

Existing Population

334,967

Need for Project

JMEUC operates a 75 mgd secondary sewage treatment plant which produces 35 dry tons per day of anaerobically digested sludge which is currently dewatered and shipped to Pennsylvania to be landfilled. This interim sludge disposal alternative was implemented by the JMEUC in order to enable the Authority to cease the ocean dumping of sewage sludge as mandated by federal and state legislation. However, this practice is costly and its future availability is uncertain.

Project Description

The proposed project would provide a long-term method for the disposal of sewage sludge. A Step 1 grant was awarded in 1977 for a land-based sludge management study. The "Land-Based Sludge Management Facilities Plan Update" dated March 1989 recommended construction of a multiple hearth incinerator with a hot water generator, Venturi scrubber, impingement plate after cooler, wet electrostatic precipitator, induced draft fan, regenerative after burner and a pneumatic dry ash system as the most cost-effective alternative. The JMEUC present plans are to abandon the original idea of sludge incineration and to pursue a beneficial reuse alternative utilizing a sludge drying process.

NEW JERSEY STATE LIBRARY

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : ESSEX-UNION JOINT MEETING

Project No. : 340686-02 Eligible Project Cost : $10,942,174
FY97 RANK : 82.0
County : UNION Total State Amount : $10,942,174

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	100
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	100
State Planning Commission		.00000
Population		.60000
TOTAL POINTS		100.60000

Project Name, Number — Priority List Rank

Joint Meeting of Essex and Union Counties — 82
340686-02
Modification to Primary Settling Tanks and Grit Handling Facilities

County

Union

Service Area

East Orange, Hillside, Irvington, Maplewood, Millburn, Newark, Roselle Park, South Orange, Summit, Union, West Orange, Elizabeth

Existing Population

600,000

Need for Project

The existing traveling bridge sludge collectors, installed in the late 1970's via the Construction Grants Program remove sludge from the primary settling tanks on an intermittent basis resulting in varying concentrations of sludge (and grit) to the sludge thickeners resulting in hydrogritter sludge/grit separation problems. By replacing the bridges with continuous chains and flights the resulting concentration of sludge (and grit) will be constant.

Project Description

The proposed project includes new sludge pumps and hydrogritters dedicated specifically to each primary tank. The apparatus will be housed in a new grit handling building.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : BERGEN COUNTY UA

Project No. : 340687-05 Eligible Project Cost : $37,834,533
FY97 RANK : 83.0
County : BERGEN Total State Amount : $37,834,533

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	100
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	100

State Planning Commission	.00000
Population	.49114
TOTAL POINTS	100.49114

Project Name, Number | Priority List Rank

Bergen County Utilities Authority 83
340687-05
Sludge Treatment and Disposal

County

Bergen

Service Area

The service area consists of 50 municipalities in Bergen County

Existing Population

491,143

Need for Project

BCUA operates a 94 mgd secondary sewage treatment plant which produces 35 dry tons/day of anaerobically digested liquid sludge which is currently dewatered by Spectroserv, Inc. in the Town of Kearny and shipped to Pennslyvania to be landfilled. This interim sludge disposal alternative was implemented by the BCUA in order to enable the Authority to cease the ocean dumping of sewage sludge as mandated by federal and state legislation. However, this practice is costly and its future availability is uncertain.

Project Description

The BCUA has modified its Sludge Management Plan to include beneficial reuse of the sludge.

The modified plan calls for the chemical stabilization of the sludge and use of the product as final cover of the landfills in the Meadowlands area.

As required by the Judicial Consent Decree, the BCUA is required to pursue its original plan of incineration until such time as the beneficial use plan is approved.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : CAMDEN COUNTY MUA

Project No. : 340640-06 Eligible Project Cost : $86,231,739
FY97 RANK : 84.0
County : CAMDEN Total State Amount : $86,231,739

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	100
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	100

State Planning Commission	.00000
Population	.48867
TOTAL POINTS	100.48867

Project Name, Number

Priority List Rank

Camden County MUA
340640-06
Sludge Management Facilities

84

County

Camden

Service Area

Most of Camden County

Existing Population

488,672

Need for Project

Existing sludge and scum treatment facilities are not adequate to handle the entire volumes of sludge and scum generated at CCMUA's STPs. The CCMUA relies on outside entities to manage sludge and scum treatment and disposal. Planning studies conducted by CCMUA recommended the construction of a 100 dry ton/day in-vessel composting facility. However, the project was split in two phases. Phase 1, which will provide sludge treatment facilities to handle 50 dry tons/day, is presently under construction (Project No. S34070805). Phase 2 (to increase capacity to 100 dry tons/day) is included in this project.

Project Description

The proposed project consists of the construction of a second series of Ashbrook-Simon-Hartley tunnel bioreactors which would increase the CCMUA's sludge management capabilities from 50 dry tons/day to 100 dry tons/day. The facilities will also include a process/curing area and a compost storage building. In addition, the project consists of modifications to the CCMUA's 10 dry ton/day incinerator in Gloucester Township to permit it to burn scum resulting from operations at the Delaware No. 1 WPCF.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : BURLINGTON COUNTY BOARD OF FREEHOLDERS

Project No. : 340818-04 Eligible Project Cost : $10,144,771
FY97 RANK : 85.0
County : BURLINGTON Total State Amount : $10,144,771

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	100
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	100

State Planning Commission	.00000
Population	.38246
TOTAL POINTS	100.38246

Project Name, Number | Priority List Rank

Burlington County Board of Chosen Freeholders 85
340818-04
Co-Composting Facility-Leachate Treatment Plant

County

Burlington

Service Area

Burlington County

Existing Population

382,462

Need for Project

The Leachate Treatment Plant (LTP) expansion and upgrade is necessary to provide treatment and capacity for the wastewater to be generated through operation of the county co-composting facility. The existing LTP currently treats leachate and sanitary wastewater from the county landfill and associated support facilities at the county Resource Recovery Facilities Complex. In accordance with NJPDES Permit No. NJ0055395 issued October 23, 1991 which provides the discharge requirements for the LTP, expansion of the hydraulic design capacity of the plant from 50,000 gpd to 130,000 gpd average daily flow (ADF) on a monthly basis will allow for the treatment of wastewater to be generated from the previously funded co-composting facility operations (approximately 56,000 gpd - monthly ADF, Project No. S340818-03). Permitted capacity was increased from 28,000 gpd to 130,000 gpd (monthly ADF) under NJPDES No. NJ0055395.

Project Description

Expansion of the facility may include physical-chemical treatment units, biological and physiochemical treatment units, rapid sand filtration, ultraviolet disinfection and a wastewater heating system.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : ATLANTIC COUNTIES UTILITIES AUTHORITY

Project No. : 340809-05 Eligible Project Cost : $2,894,999
FY97 RANK : 86.0
County : ATLANTIC Total State Amount : $2,894,999

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	100
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	100

State Planning Commission	.00000
Population	.22433
TOTAL POINTS	100.22433

Project Name, Number | Priority List Rank

Atlantic County UA | 86
340405-04
Sludge Treatment (Food/Yard Waste Composting Facility)

County

Atlantic

Service Area

Several Municipalities in Atlantic County and Mercer County

Existing Population

224,327

Need for Project

The Authority has several goals for this project. First, to diversify the Authority's method (by providing a back-up for the existing sludge incinerators) and increase capacity for the disposal of municipal wastewater sludge. The second goal relates to the Interdistrict Agreement by which the ACUA is required to accept up to 19,000 tons per year of compostable material from Mercer County. Finally, to meet the Authority's recycling goals, large source separated generations of food waste within the county will be directed to the proposed facility.

Project Description

The Authority is planning to construct an Enclosed Composting Facility at the Environmental Park Site in Egg Harbor Township. The facility will process the following selective waste streams: food waste, municipal wastewater sludge, vegetative waste and clean wood waste. These selective waste streams will produce a compost which can be used as a soil amendment. The proposed facility has an array of unique features to avoid the pitfalls of other composting facilities which have been forced to close due to mechanical and odor control problems. An integrated building ventilation system, including a biofilter for odor control will be constructed. The facility will be totally enclosed and designed to handle 159 wet tons per day.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : ATLANTIC COUNTY UA

Project No. : 340405-04 Eligible Project Cost : $19,606,457
FY97 RANK : 86.0
County : ATLANTIC Total State Amount : $19,606,457

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	100
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	100
	State Planning Commission	.00000
	Population	.22433
	TOTAL POINTS	100.22433

Project Name, Number | Priority List Rank

Atlantic County Utilities Authority | 86
340809-05
Incinerator Improvement

County

Atlantic

Service Area

The municipalities of Absecon City, Atlantic City, Brigantine City, Buena Borough, Corbin City, Egg Harbor City, Egg Harbor Township, Galloway Township, Hamilton Township, Hammonton Town, Linwood City, Longport Borough, Margate City, Mullica Township, Northfield City, Pleasantville City, Somers Point City and Ventnor City and Weymouth Township.

Existing Population

224,327

Need For Project

Three municipal and several institutional sewage treatment plants are operating in Atlantic County within three planning areas. The majority of the treatment plants dispose of their sludge through incineration at the ACUA City Island Facility.

Project Description

The project is to upgrade the existing sludge incinerator's heat recovery after-burner unit. The project objective is to maintain consistent compliance with local, state and federal standards while increasing the burning capacity and reducing the after-burner fuel demand.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : HUDSON COUNTY UA

Project No. : 340399-15 Eligible Project Cost : $20,024,455
FY97 RANK : 88.0
County : HUDSON Total State Amount : $20,024,455

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	100
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	100

State Planning Commission	.00000
Population	.22135
TOTAL POINTS	100.22135

Project Name, Number

Priority List Rank

Hudson County Utilities Authority
340399-15
Sludge treatment and disposal

88

County

Hudson

Service Area

Guttenberg, Hoboken, North Bergen Township, Secaucus, Union City, Weehawken, West New York

Existing Population

221,345

Need for Project

Landfilling of sludge in Pennsylvania is the primary means of sludge disposal for the Hudson County treatment plants. However, this is a short term solution only.

Project Description

This project is the third segment of the Hudson County Utilities Authority's segmented sludge management plan. The proposed project is the construction of a fluidized bed incinerator that is to accept municipal sludge generated within the county.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : RAHWAY VALLEY SA

Project No. : 340547-05 Eligible Project Cost : $4,464,719
FY97 RANK : 89.0
County : UNION/MIDDLESETotal State Amount : $4,464,719

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	100
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	100
	State Planning Commission	.00000
	Population	.17373
	TOTAL POINTS	100.17373

Project Name, Number | Priority List Rank

Rahway Valley Sewerage Authority (RVSA) 89
340547-05
Sludge Dewatering and Stabilization

County

Union

Service Area

Springfield, Mountainside, Westfield, Kenilworth, Winfield, Garwood, Cranford, Roselle Park (Part), Scotch Plains, Clark, Woodbridge (Part) and Rahway

Existing Population

173,729

Need for Project

RVSA operates a 35 mgd secondary sewage treatment plant which produces 11 dry tons/day of gravity thickened and anaerobically digested sludge which is currently dewatered and shipped to Ohio for land reclamation. This interim sludge disposal alternative was implemented by the RVSA in order to enable the Authority to cease the ocean dumping of sewage sludge as mandated by federal and state legislation. However, this practice is costly and its future availability is uncertain.

Project Description

The proposed project would provide a long-term method for the disposal of sewage sludge. A Step 1 grant was awarded in 1979 for a land-based sludge management study, which recommended to implement a sludge disposal scheme consisting of dewatering and thermal reduction. The Sludge Management Plan dated May 22, 1991 recommended pelletization in Pennsylvania. The RVSA will be required to appropriately update the Sludge Management Plan to ensure that adequate consideration of beneficial reuse alternatives has been included, as required by the Department's White Paper on Beneficial Use of Sewage Sludge, issued in November 1990.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : ROCKAWAY VALLEY REG SA

Project No. : 340821-03 Eligible Project Cost : $16,116,128
FY97 RANK : 90.0
County : MORRIS Total State Amount : $16,116,128

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	100
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	100
	State Planning Commission	.00000
	Population	.12063
	TOTAL POINTS	100.12063

Project Name, Number | Priority List Rank

Rockaway Valley Regional Sewerage Authority 90
340821-03
Sludge Treatment/Disposal

County

Morris

Service Area

Boonton Town, Boonton Township, Denville, Dover, Jefferson (48%), Kinnelon (32%), Mine Hill (65%), Randolph (78%), Rockaway Borough, Rockaway Township, Roxbury, Victory Gardens, Wharton

Existing Population

120,633

Need for Project

Rockaway Valley Regional Sewerage Authority has recently signed a 15 year service contract (5 year breakout option) with Wayne Township for incinerating RVRSA's sludge at Wayne Township's incinerators at the cost of $45 per 1000 gallons. Prior to this arrangement, the RVRSA was hauling sludge to Kinsley's Landfill in Gloucester County. There appears to be available capacity within the Wayne Township's incinerators which are physically located within 7 miles of RVRSA treatment plant.

Project Description

The RVRSA prepared a facilities plan for sludge disposal. The plan shows that in-vessel composting is cost-effective. However, after recent development of negotiations with Par-Troy and Wayne and subsequent contract with Wayne Township, incinerating at Wayne now appears most cost-effective option available for RVRSA. It was recommended that the RVRSA continue to dispose of its sludge at the Wayne Township's incinerators on a interim basis and pursue long term sludge disposal option. The precise disposal alternative will be determined by the on-going study.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : NORTHWEST BERGEN COUNTY UA

Project No. : 340700-07 Eligible Project Cost : $6,801,520
FY97 RANK : 91.0
County : BERGEN Total State Amount : $6,801,520

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	100
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	100
	State Planning Commission	.00000
	Population	.09171
	TOTAL POINTS	100.09171

Project Name, Number

Priority List Rank

Northwest Bergen County Utilities Authority
340700-07
Sludge Management

91

County

Bergen

Service Area

Allendale Borough, Franklin Lakes Borough, HoHoKus Borough, Mahwah Township, Midland Park Borough, Ramsey Borough, Saddle River Borough, Upper Saddle River Borough, Waldwick Borough, Wyckoff Township

Existing Population

91,706

Need for Project

Due to the age and condition of the existing incinerator, a new incinerator is needed. The existing sludge incinerator will be rehabilitated and used as a back-up.

Project Description

The proposed project includes the construction of a new sludge incinerator and modifications to the existing sludge incinerator, the building in which it is housed and control instrumentation.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : PARSIPPANY-TROY HILLS TWP

Project No. : 340886-01 Eligible Project Cost : $1,398,180
FY97 RANK : 92.0
County : MORRIS Total State Amount : $1,398,180

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	100
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	100
	State Planning Commission	.00000
	Population	.06310
	TOTAL POINTS	100.06310

Project Name, Number

Priority List Rank

Parsippany-Troy Hills Twp.
340886-01
New Sludge Handling Facilities

92

County

Morris

Service Area

Parsippany Troy Hills, Mountain Lakes Borough, East Hanover Township

Existing Population

63,096

Need for Project

This project is required to provide an additional sludge blending tank and grit removal equipment including belt filter press for dewatering with associated piping and pumping equipment. It should be noted that the present facilities for handling sludge waste generated from other sewage treatment plants are inadequate. The project is necessary to insure that additional sludge facilities for existing and future development is in conformance with approved facilities plan.

Project Description

Parsippany-Troy Hills has completed an NJDEP approved facilities plan which recommends construction of facilities that include an additional sludge blending tank, grit removal equipment and belt filter press for dewatering with associated piping and pumping equipment.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient :-CAPE MAY COUNTY MUA

Project No. : 340661-06 Eligible Project Cost : $12,302,395
FY97 RANK : 93.0
County : CAPE MAY Total State Amount : $12,302,395

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	100
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	100

State Planning Commission	.00000
Population	.05014
TOTAL POINTS	100.05014

Project Name, Number | Priority List Rank

Cape May County Municipal Utilities Authority 93
340661-06
Sludge/Septage Management Plan

County

Cape May

Service Area

Cape May County MUA - Wildwood/Lower Region and CMCMUA - Seven Mile/Middle Region

Existing Population

50,145

Need for Project

The project is required to provide sludge/septage treatment and disposal for the Cape May County MUA - Wildwood/Lower Regional and Seven Mile/Middle Regional Wastewater Systems.

Project Description

The project is the second phase of the Cape May County MUA - County-wide enclosed vessel mechanical composting system. This component is planned to service combined primary and secondary belt filter press dewatered sludge from the 14.18 mgd Wildwood/Lower Regional WWTF and the 7.67 mgd Seven Mile/Middle Region WWTF. The septage treatment facilities will be incorporated into the CMCMUA Seven Mile/Middle Regional WWTF.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : STONY BROOK REGIONAL SA

Project No. : 340400-04 Eligible Project Cost : $10,549,210
FY97 RANK : 94.0
County : MERCER Total State Amount : $10,549,210

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	100
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	100

State Planning Commission	.00000
Population	.05000
TOTAL POINTS	100.05000

Project Name, Number | Priority List Rank

Stony Brook Regional Sewerage Authority 94
340400-04
Sludge Management

County

Mercer

Service Area

Princeton Borough, Princeton Township, South Brunswick Township, West Windsor Township, Hopewell Borough, and Pennington Borough

Existing Population

50,000

Need for Project

The project has dual purposes - cost savings and environmental improvements. The objective of the project is to greatly reduce energy (natural gas) consumption and decrease air pollutant emissions. The rising cost of fuel requires modifications to be made to the incinerator and its air pollution control train to reduce fuel usage. The project will also result in significantly "cleaner" air emissions.

Project Description

The project includes improvements to the existing sludge dewatering facilities, incinerator, and incinerator air pollution control equipment. The project will include replacement of existing belt filter presses with new dewatering equipment; addition of burners to incinerators; addition of new induced-draft fan, scrubbers, wet electrostatic precipitator, and recuperative afterburners to incinerator air pollution control process train.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : WANAQUE VALLEY REG SA

Project No. : 340390-05 Eligible Project Cost : $25,607,620
FY97 RANK : 95.0
County : PASSAIC Total State Amount : $25,607,620

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	100
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	100
	State Planning Commission	.00000
	Population	.04776
	TOTAL POINTS	100.04776

Project Name, Number | Priority List Rank

Wanaque Valley Regional SA 95
340390-05
Sludge/Septage Treatment and Disposal

County
Passaic and Morris

Service Area
The Wanaque Valley Regional Sewerage Authority's (WVRSA) Water Pollution Control Facility includes the service areas of Wanaque, Ringwood, and West Milford.

Existing Population
47,764

Need for Project
Growth, for this region, is expected to outpace other areas of New Jersey due to the long-awaited extension of Route 287, linking several major arteries of the metropolitan area. For this reason, land acquisition for an approximate 2.0 MGD expansion of the facility was initiated in 1988.

Infiltration and inflow have had negative effects on the existing facility's past performance. Rehabilitation of the I/I is crucial in optimizing the facility's performance.

The sludge produced by the WVRSA's Water Pollution Control Facility is being transported off-site to the TBRSA's incinerator. The incinerator authority charges disposal fees by the gallon, resulting in excessive sludge disposal costs.

There are no facilities within WVRSA's service area accepting septage wastes at this time. The TBRSA's facility is currently identified as disposal site for septage generated in the WVRSA's service. As with sludge, continued treatment capacity for the area's septage wastes is not assured at the TBRSA facility, and disposal costs are high.

The WVRSA is required by the regulations promulgated under PL 92-500 and by the USEPA to develop a long term sludge management plan that is the most cost-effective, environmentally sound and implementable solution to the disposal problem.

Project Description
The WVRSA can reduce the excessive sludge disposal costs with the addition of a sludge thickening system. Although incineration of dewatered or thickened sludge is the most cost-effective and promising alternative at this time as plant capacity increases, in-vessel composting becomes most cost effective and is preferred.

In addition, acceptance of septage at the local treatment plants rather than directly at the incinerator facility will reduce homeowner's disposal costs. The selected plan, soon to be completed, will provide a long term sludge management system that will accommodate the quantity of sludge generated within the WVRSA and PRBRSA regions.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : WAYNE TOWNSHIP

Project No. : 340929-01 Eligible Project Cost : $1,861,346
FY97 RANK : 96.0
County : PASSAIC Total State Amount : $1,861,346

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	50
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission	.00000
Population	.04555
TOTAL POINTS	100.04555

Project Name, Number

Priority List Rank

Wayne Township
340929-01
Collection System

96

County

Passaic

Service Area

This project will serve various areas throughout the Township such as Ludlum Road, Arbor Road, Riverlawn Drive, Riverdale Drive, and Hoffman Grove area.

Existing Population

45,549

Need for Project

Many areas of the Township presently served by on-site systems have exhibited problems and/or malfunctions as evidenced by foul odors and numerous homeowner complaints, thus causing a public nuisance. As determined by the soil conservation service, these areas correspond to soils with severe limitations for on-site disposal.

Project Description

This project is for the construction of a sanitary sewer collection system within problem areas of the Township. All of the areas will tie into existing transmission lines for ultimate disposal at the Mountain View treatment plant.

NEW JERSEY STATE LIBRARY

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : JACKSON TOWNSHIP MUA

Project No. : 340953-01 Eligible Project Cost : $7,975,913
FY97 RANK : 97.0
County : OCEAN Total State Amount : $7,975,913

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	50
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission	.00000
Population	.03323
TOTAL POINTS	100.03323

Project Name, Number

Priority List Rank

Jackson Township MUA
340953-01
Metedeconk Interceptor

97

County

Ocean County

Service Area

Jackson Township (Northwestern section), Jackson Mills, Harmony, Cassville, Oak Tree and Great Adventure Park

Existing Population

33,233

Need for Project

Project includes eliminating a secondary treatment facility, NJPDES No. 0026263, at Great Adventure Park, with stringent permit limits The Great Adventure STP experiences intermittent hydraulic overloading which limits expansion consideration of the park. Three mobile home park (MHP) on-site sewage disposal systems, (NJPDES No. 0031267 at Oak Tree MHP, No. 0035652 at Fountain Head MHP & Land-O-Pines MHP) and the on-site septic systems at Cassville are malfunctioning causing groundwater degradation.

Project Description

The proposed scope of work consists of the construction of 4400 L.F. of 30 inch gravity main, 34,500 L.F. of 16 inch force main, 14,250 L.F. of dual 16 inch force main. The STP at Great Adventure Park will be abandoned and converted into a pump station. It is anticipated that the on-site sewerage disposal systems at the mobile home parks will be abandoned and converted into pump stations and tied to the proposed interceptor in the future. The wastewater generated at the proposed area will be treated at the Northern Service Area treatment plant of the Ocean County Utilities Authority (OCUA) in Brick Township.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient :-WINSLOW TWP

Project No. : 340895-02 Eligible Project Cost : $2,722,381
FY97 RANK : 98.0
County : CAMDEN Total State Amount : $2,722,381

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	50
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission	.00000
Population	.03009
TOTAL POINTS	100.03009

Project Name, Number

Winslow Township
340895-02
Collection System

Priority List Rank

98

County

Camden

Service Area

Winslow Township

Existing Population

30,087

Need for Project

A portion of Winslow Township is presently served by on-site systems. Many of these systems are malfunctioning; consequently, there is potential for groundwater contamination.

Project Description

The project consists of the construction of gravity sewer lines, pumping stations and force mains. The areas to be served are a portion a residential area, a church and two schools in Winslow Township. The collection system will be proposed to convey 73,000 gallons of wastewater per day initially. The proposed system will discharge to the Route 73 corridor project which is under construction and it will ultimately be conveyed to the CCMUA Delaware No. 1 Water Pollution Control Facility (WPCF) at Camden.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : LONG BRANCH SA

Project No. : 340820-03 Eligible Project Cost : $3,766,422
FY97 RANK : 99.0
County : MONMOUTH Total State Amount : $3,766,422

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	100
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	100
	State Planning Commission	.00000
	Population	.03006
	TOTAL POINTS	100.03006

Project Name, Number

Priority List Rank

Long Branch Sewerage Authority
340820-03
Sludge Treatment and Disposal

99

County

Monmouth

Service Area

City of Long Branch, West Long Branch (portion)

Existing Population

30,066

Need for Project

Long Branch Sewerage Authority is presently disposing of sludge by incineration, however, this is on a short term basis only. This project is necessary to identify a long term disposal alternative for disposal of the 1235 lbs. of sludge (dry weight basis) produced at the plant each day.

Project Description

The project report for this project is essentially complete and has recommended a long term sludge management plan which calls for in-vessel composting with distribution. After resolution of several minor issues, the project report may be approved.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : MT HOLLY SA

Project No. : 340819-02 Eligible Project Cost : $5,203,507
FY97 RANK : 100.0
County : BURLINGTON Total State Amount : $5,203,507

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	100
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	100
	State Planning Commission	.00000
	Population	.02659
	TOTAL POINTS	100.02659

Project Name, Number

Priority List Rank

Mount Holly Sewerage Authority
340819-02
Sludge Management/Treatment

100

County

Burlington

Service Area

Mount Holly, Eastampton, Lumberton, Hainesport, part of Westampton

Existing Population

26,587

Need for Project

This is a sludge management project. The Mount Holly Sewerage Authority Wastewater Treatment Plant has been expanded and upgraded from 2.0 mgd to 5.0 mgd flow under USEPA/State project no. C340251 grant. The (201) Facilities Plan recommended that ultimate sludge disposal would be to a licensed landfill.

Subsequent to the completion of this original facilities plan and the initiation of construction of the plant expansion, the State of New Jersey enacted new laws relative to the treatment and disposal of sludge. Accordingly, the Mount Holly Sewerage Authority was required to prepare a sludge management plan in accordance with the current state guidelines for the preparation of sludge management plans.

Project Description

The project consists of construction of sludge management facilities at the existing Mount Holly SA Sewage Treatment Plant site. This is a short term solution only.

The ultimate sludge disposal will be incorporated into the on-going county-wide sludge and septage management plan recommendations. Mt. Holly will subsequently become a contingency back-up facility for sludge/septage treatment.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : -GLOUCESTER CO UA (MONROE)

Project No. : 340526-03 Eligible Project Cost : $2,911,180
FY97 RANK : 101.0
County : GLOUCESTER Total State Amount : $2,911,180

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	50
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission .00000

Population .02314

TOTAL POINTS 100.02314

Project Name, Number | Priority List Rank

Gloucester County Utilities Authority (Monroe) 101
340526-03
INT, PS, FM,
Collection System, Sludge Management

County

Gloucester

Service Area

Monroe Township

Existing Population

23,143

Need for Project

Failure of on-site sewage disposal systems within the township, surrounding Victory, Timber and Sunset Lakes have created a public nuisance, and have contributed to water quality degradation in the area.

Project Description

The facilities plan recommends the construction of a collection system, interceptor, pump stations and force mains. Sewage will flow to GCUA for treatment and disposal.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient :-SOUTH BRUNSWICK TOWNSHIP

Project No. : 340897-01 Eligible Project Cost : $1,254,665
FY97 RANK : 102.0
County : MIDDLESEX Total State Amount : $1,254,665

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	50
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.02236
	TOTAL POINTS	100.02236

Project Name, Number

South Brunswick Township
340897-01
Coll.

Priority List Rank

102

County

Middlesex

Service Area

This project will serve existing and new development along the Major Road area of the Township.

Existing Population

22,356

Need for Project

Approximately 36 homes are served by on-site systems, a significant portion of which have exhibited problems and/or malfunctions, thus causing a public nuisance. The Soil Conservation Service has determined that the Major Road area corresponds to soils with severe limitations for on-site disposal systems. South Brunswick Township will apply under the Public Health Hazard Bypass provisions of the priority system.

Project Description

The proposed project is for the construction of approximately 4,500 feet of ten inch sewer line and 1,450 feet of eight inch sewer line. The project also calls for the reconstruction of approximately 834 feet of the existing "Town Center Sewer". Approximately 31 of the existing properties could make gravity connection to the sewer line and the other 5 homes would have to utilize small grinder pumps to tie into the proposed project.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : ROCKAWAY TOWNSHIP

Project No. : 340478-05 Eligible Project Cost : $17,510,632
FY97 RANK : 103.0
County : MORRIS Total State Amount : $17,510,632

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	50
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.01956
	TOTAL POINTS	100.01956

Project Name, Number

Priority List Rank

Rockaway Township
340478-05
Collection System, Int., On-site

103

County

Morris

Service Area

Rockaway Township

Existing Population

19,559

Need for Project

Certain areas of the Township have malfunctioning septic systems which have been creating a potential health hazard situation and public nuisance.

Project Description

It is anticipated that this project will be for a collection system or other alternative system in White Meadow Lake and remaining unsewered areas of the Township. This project will alleviate the potential health hazard caused by malfunctioning septic systems.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : ASBURY PARK CITY

Project No. : 340883-01 Eligible Project Cost : $692,392
FY97 RANK : 104.0
County : MONMOUTH Total State Amount : $692,392

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	100
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	100
	State Planning Commission	.00000
	Population	.01625
	TOTAL POINTS	100.01625

Project Name, Number

Asbury Park City
340883-01
Sludge Management Plan

Priority List Rank

104

County

Monmouth

Service Area

Asbury Park City

Existing Population

16,247

Need for Project

The sludge generated at the City's wastewater treatment facilities is trucked to a landfill; this is not a viable long term method for sludge disposal. Additional sludge is generated due to the secondary treatment facilities being completed.

Project Description

This project consists of land application of sludge.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient :- MONTVILLE TOWNSHIP MUA

Project No. : 340931-02 Eligible Project Cost : $16,484,390
FY97 RANK : 105.0
County : MORRIS Total State Amount : $16,484,390

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	50
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission .00000

Population .01620

TOTAL POINTS 100.01620

Project Name, Number	Priority List Rank
Montville Township MUA 340931-02 Collection System	105

County

Morris

Service Area

Montville Township

Population

16,200

Need for Project

An expansion of the collection system is needed to replace inadequate on-site systems which are malfunctioning and pose a potential health hazard to local residents by adversely impacting well waters.

Project Description

The proposed project involves the construction of lateral sewers and a pumping station to relieve malfunctioning septic systems. This project will provide a collection system for the remaining areas of the Township. These areas include areas 7, 8, 9, 14 and 15-5 as identified in the amendment to the 1981 facilities plan (dated June 1, 1990). Wastewater will be conveyed to the Parsippany-Troy Hills STP for treatment.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : MANCHESTER TWP

Project No. : 340650-03 Eligible Project Cost : $8,972,640
FY97 RANK : 106.0
County : OCEAN Total State Amount : $8,972,640

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	50
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission	.00000
Population	.01540
TOTAL POINTS	100.01540

Project Name, Number

Priority List Rank

Manchester Township
340650-03
Collection System, Alt. Sys., PS, FM, Int.

106

County

Ocean

Service Area

Parts of Manchester Township

Existing Population

15,409

Need for Project

The tremendous rate of growth in the planning area, coupled with an increasing number of septic tanks, has placed a severe strain on the very permeable sandy soils to adequately treat the domestic wastes. Because of a generally high groundwater table and the high percentage of septic system failures, pollution of the groundwater is suspected. The pollution to surface water in the planning area has already been documented in the Ocean County Areawide Water Quality Management Plan. The continuation of current septic tank problems poses a potential threat to the groundwater in the region. Therefore, a proper sewage disposal system is necessary.

Project Description

Based upon economic, environmental and engineering aspects, the construction of the following collection system, has been recommended.

Summit Park - 13,282 feet of gravity sewers.

Savannah Acres - Low pressure/grinder pump system, with 17,085 feet of 2" PVC low pressure piping.

Cedar Glen Homes - 16,000 feet of gravity sewers.

Richard and Whitney Estates - 1 1/2" and 2" low pressure sewers.

Cedar Glen West - 3,900 feet of 8" and 15" gravity sewers, a pumping station and 8,700 feet of 6" force main.

The flow from the area will be conveyed to the Ocean County Utilities Authority's Central Plant for treatment and disposal.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : BERNARDS TOWNSHIP SA

Project No. : 340382-02 Eligible Project Cost : $542,184
FY97 RANK : 107.0
County : SOMERSET Total State Amount : $542,184

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	50
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission	.00000
Population	.01530
TOTAL POINTS	100.01530

Project Name, Number

Priority List Rank

Bernards Township S.A.
340382-02
Collection System

107

County

Somerset

Service Area

Bernards Township

Existing Population

15,303

Need for Project

Some of the septic systems of the Township are malfunctioning and thus causing potential environmental or health hazard situations and creating a public nuisance.

Project Description

This project involves construction of a new sewerage system to serve twenty-two (22) homes in the Rocky Lane/Columbia Road area of Basking Ridge. The system will consist of all gravity sewers with the exception of two properties which will require pumping to a pressure sewer. The wastewater will be conveyed to the 1.2 MGD capacity treatment plant.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : GLOUCESTER COUNTY UA (FRANKLIN TWP)

Project No. : 340461-04 Eligible Project Cost : $7,211,095
FY97 RANK : 108.0
County : GLOUCESTER Total State Amount : $7,211,095

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	50
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission	.00000
Population	.01448
TOTAL POINTS	100.01448

Project Name, Number

Priority List Rank

Gloucester County Utilities Authority (Franklin Township)
340461-04
INT, PS, FM, Collection System

108

County

Gloucester

Service Area

Franklin Township

Existing Population

14,482

Need for Project

The project area in Franklin Township consists of Franklinville, Malaga, and Newfield, which are existing developments served by individual on-lot systems. There is public nuisance associated with these on-site disposal systems in the area.

Project Description

The selected plan of the GCUA Facilities Plan calls for the complete regionalization of the proposed sewer collection systems for Franklin Township and the Borough of Newfield with an interceptor system to convey wastewater to the Landis Sewerage Authority Plant for treatment and ultimate disposal. The selected plan basically involves the construction of three pump stations, interceptors, and force mains to convey the wastewater to the Landis SA plant.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : OAKLAND BOROUGH

Project No. : 340418-05 Eligible Project Cost : $40,854,622
FY97 RANK : 109.0
County : BERGEN Total State Amount : $40,854,622

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	50
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission	.00000
Population	.01300
TOTAL POINTS	100.01300

Project Name, Number

Oakland Borough
340418-05
Collection System

Priority List Rank

109

County

Bergen

Service Area

Borough of Oakland

Existing Population

13,000

Need for Project

The area is currently served by septic systems and some small package treatment plants. Existing disposal facilities result in a public nuisance as a result of high groundwater and impervious soils.

Project Description

The facilities plan recommends the design and construction of a gravity collection system for the majority of the developed areas of the Borough and interceptor sewers. This project involves the collection and interceptor sewers.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : RINGWOOD BOROUGH S.A.

Project No. : 340905-01 Eligible Project Cost : $14,050,720
FY97 RANK : 110.0
County : PASSAIC Total State Amount : $14,050,720

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	50
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50
State Planning Commission		.00000
Population		.01230
TOTAL POINTS		100.01230

Project Name, Number

Priority List Rank

Ringwood Borough Sewerage Authority
340905-01
Small Alternative Wastewater System

110

County

Passaic

Service Area

Ringwood Borough

Existing Population

12,300

Need for Project

The existing pollution is presently caused by malfunctioning subsurface disposal systems throughout the entire service area. Failures of septic systems have created health hazard situations and have been polluting groundwater and lakes. All residents of the service area will benefit from eventual construction of this project, since it will alleviate health hazards and pollution of local waterways due to inadequate septic tank systems. The proposed project will consist of new collection sewers and new interceptors where on-site individual sewage disposal systems and small diameter effluent sewers have been found to be unsuitable. A preliminary infiltration/inflow analysis has concluded that excessive I/I exists within the small portion of Ringwood Borough Sewer System.

Project Description

Provide an alternative wastewater collection system (small diameter pressure sewers) with treatment at the Wanaque Valley Regional Sewerage Authority treatment plant. Also, provide collection systems and interceptors where on-site systems are polluting groundwater and surface water resources and where conventional collection sewers are clearly more cost effective than any other alternative.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : -VERNON TWP

Project No. : 340745-02 Eligible Project Cost : $6,677,126
FY97 RANK : 111.0
County : SUSSEX Total State Amount : $6,677,126

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	50
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission	.00000
Population	.01108
TOTAL POINTS	100.01108

Project Name, Number

Priority List Rank

Vernon Township
340745-02
Alternative Wastewater Systems

111

County

Sussex

Service Area

The service area consists of the portion (62%) of Vernon Township which lies in the Pochuck Basin.

Existing Population

11,000

Need for Project

Vernon Township is comprised of clusters of lakeside communities (including Barry Lakes) that have developed from seasonal vacation homes to year-round dwellings. This fact, coupled with the restrictions of small, undersized lots located on soils with severe limitations for on-site systems, has resulted in an overburdening of the soil stratum. This has led to an increasing number of septic system failures which previously had functioned satisfactorily. In addition, a number of existing systems are known to be inadequate through design and/or installation deficiencies. This situation poses public health as well as nuisance problems to the Township. The needs of Vernon Township as identified under the Sussex County Step I Study (C340503-01) are to be resolved on a local level through this project.

Project Description

This project would implement the wastewater management recommendations of the Sussex County-Pochuck Facilities Plan on a local level. Collection, low pressure, and/or cluster systems may be involved in this project. On-site rehabilitation in conjunction with the establishment of a septic management district(s) may also be a viable alternative. The construction of this project should satisfy the wastewater needs of Vernon Township, as well as maintaining water quality and safeguarding the public health.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : WANAQUE BOROUGH

Project No. : 340434-02 Eligible Project Cost : $306,771
FY97 RANK : 112.0
County : PASSAIC Total State Amount : $306,771

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	50
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission	.00000
Population	.01058
TOTAL POINTS	100.01058

Project Name, Number

Wanaque Borough
340434-02
Coll. System, Int.

Priority List Rank

112

County

Passaic

Service Area

Wanaque Borough

Existing Population

10,579

Need for Project

This project is necessary for the construction of a sewer extension. This is the second phase of the Borough's collection system project. The first phase (75,130 1.f.) has already been constructed. In several instances, septic systems have been malfunctioning, creating potential health hazard situations and a public nuisance.

Project Description

This project involves the construction of 4251 linear feet of collector and interceptor sewer and a pump station, which will convey wastewater to the proposed Wanaque Valley Regional Sewerage Authority treatment plant (0.68 MGD capacity). The planning work for the collection system needs to be addressed.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : MAHWAH TOWNSHIP

Project No. : 340592-03 Eligible Project Cost : $9,194,418
FY97 RANK : 113.0
County : BERGEN Total State Amount : $9,194,418

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	50
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission	.00000
Population	.01048
TOTAL POINTS	100.01048

Project Name, Number

Priority List Rank

Mahwah Township
340592-03
Collection System, Interceptor

113

County

Bergen

Service Area

Township of Mahwah (Portion)

Existing Population

10,476

Need for Project

The area is currently served by septic systems; failures appear to be contributing to the pollution of groundwater, a potable water source. This could result in health problems in the community. The project would also convey wastewater from package plants in the Township. The water quality in the area marginally meets standards for fecal coliform and nutrients.

Project Description

The project involves construction of a collection system and interceptor to serve the Fardale Section of Mahwah Township. The wastewater will be conveyed through the Northwest Bergen County Utilities Authority interceptors and then to the treatment plant in Waldwick. The project report has not been submitted by the Township.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : FLORENCE TOWNSHIP

Project No. : 340352-01 Eligible Project Cost : $1,707,920
FY97 RANK : 114.0
County : BURLINGTON Total State Amount : $1,707,920

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	100
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	100
	State Planning Commission	.00000
	Population	.00970
	TOTAL POINTS	100.00970

Project Name, Number

Florence Township
340352-01
Sludge Management

Priority List Rank

114

County

Burlington

Service Area

Township of Florence

Existing Population

9,700

Need for Project

The Florence Township Sewage Treatment Plant has three anaerobic digesters, two of which were constructed in 1954. All of the equipment associated with these two digesters is basically inoperable and beyond repair. The digesters provide no digestion and serve basically as holding tanks.

All equipment associated with the two older digesters must be replaced. There is a third, newer digester which needs some minor work. Rehabilitation of the digesters will enable Florence Sewage Treatment Plant to further reduce the volume of their sludge for disposal.

Project Description

The proposed project includes the replacement of two floating covers, heat exchanger, mixing systems, level indicators, gas safety equipment, electrical equipment, recirculation pumps and piping, heat exchanger on new digester, painting and sludge removal.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : WANTAGE TWP

Project No. : 340760-03 Eligible Project Cost : $572,805
FY97 RANK : 115.0
County : SUSSEX Total State Amount : $572,805

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	50
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission	.00000
Population	.00949
TOTAL POINTS	100.00949

Project Name, Number

Priority List Rank

Wantage Township
340760-03
Alternative Wastewater Systems

115

County

Sussex

Service Area

Wantage Township

Existing Population

9,487

Need for Project

The entire Township of Wantage is currently using on-site wastewater disposal. However, in several areas there are failing systems which qualify as a public nuisance.

Project Description

The Sussex County Municipal Utilities Authority is developing a complete wastewater treatment system which includes upgrading of the Sussex Borough STP. The Sussex Borough STP may be available to serve new systems within Wantage Township. This project includes the design and construction of a local collection system and possible upgrading of existing on-site systems for the Wantage Township area, pending submittal and approval of the Sussex County Municipal Utilities Authority-Lower Wallkill 201 Facilities Plan (No. C340573-01).

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : CHATHAM TOWNSHIP

Project No. : 340403-04 Eligible Project Cost : $4,477,825
FY97 RANK : 116.0
County : MORRIS Total State Amount : $4,477,825

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	50
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.00906
	TOTAL POINTS	100.00906

Project Name, Number

Chatham Township
340403-04
Interceptors & Collection System

Priority List Rank

116

County

Morris

Service Area

Township of Chatham

Existing Population

9,055

Need for Project

Certain areas of the Township have malfunctioning septic systems which have been creating potential health problems and public nuisance.

Project Description

It is anticipated that this project will be for a collection system and interceptors or other alternatives for unsewered areas of the Township. This project will alleviate potential health problems caused by malfunctioning septic systems. The facilities plan work has not been initiated.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : BLOOMINGDALE BOROUGH

Project No. : 340634-03 Eligible Project Cost : $3,790,064
FY97 RANK : 117.0
County : PASSAIC Total State Amount : $3,790,064

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	50
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission	.00000
Population	.00806
TOTAL POINTS	100.00806

Project Name, Number

Priority List Rank

Bloomingdale Boro
340634-03
Collection System, Int., P.S., F.M.

117

County

Passaic

Service Area

Bloomingdale

Existing Population

8,058

Need for Project

Some of the septic systems in the township are malfunctioning and causing potential environmental or health hazard situations and creating a public nuisance.

Project Description

This project involves construction of new sewerage system facilities including interceptors, pump stations, force mains, and collection systems and/or other alternatives for wastewater disposal problems in the areas of Morse Lake, Union Avenue, Hillside Drive and Vreeland Avenue. The wastewater would be conveyed to the Butler Bloomingdale Sewage treatment plant, which is to be upgraded and expanded to 2.5 MGD. The facilities plan work for the collection system project is currently under review.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : BYRAM TOWNSHIP

Project No. : 340569-02 Eligible Project Cost : $2,049,114
FY97 RANK : 118.0
County : SUSSEX Total State Amount : $2,049,114

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	50
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.00805
	TOTAL POINTS	100.00805

Project Name, Number

Byram Township
340569-02
Collection System, Interceptor

Priority List Rank

118

County

Sussex

Service Area

The service area for this project includes the Route 206 corridor in Byram Township as well as the Byram Township Board of Education Consolidated School, the Intermediate School and the Byram Township Municipal Complex.

Existing Population

8,048

Need for Project

Approximately 70% of the soils within the Township of Byram are classified as having severe limitations with regard to suitability for on-site wastewater disposal systems. On-site systems are further constrained by additional environmental considerations including depth to bedrock and/or water table, steep slopes, wetlands, and rock outcrops. In addition, a number of properties within the Route 206 corridor currently utilize cesspools for wastewater disposal. The subsurface disposal system at the Byram Township Board of Education Consolidated School and the wastewater treatment plant at the Intermediate School (NJ0022632) require upgrading. Such conditions combine to impact both existing and proposed development within the Township.

The Byram Township Wastewater Management Plan (WMP) and the Musconetcong Sewerage Authority WMP have been amended to include the Route 206 corridor in Byram Township in the service area of the Musconetcong Sewerage Authority's Water Pollution Control Plant (NJ0027821) at which Byram Township has been allocated 100,000 gallons per day of treatment capacity.

Project Description

Wastewater will be collected from the Consolidated School, the Intermediate School, the Byram Township Municipal Complex as well as from properties located within the Route 206 corridor and conveyed to the Musconetcong Sewerage Authority's Water Pollution Control Plant for treatment and disposal. Conveyance facilities include 8,000 feet of gravity sewers, 4,000 feet of force mains and four pumping stations. The existing on-site treatment facilities will be demolished.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : UPPER SADDLE RIVER, BOROUGH OF

Project No. : 340909-01 Eligible Project Cost : $1,384,609
FY97 RANK : 119.0
County : BERGEN Total State Amount : $1,384,609

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	50
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission	.00000
Population	.00784
TOTAL POINTS	100.00784

Project Name, Number

Priority List Rank

Upper Saddle River Borough
340909-01
Collection System, Interceptor

119

County

Bergen

Service Area

Southwest portion of Upper Saddle River

Existing Population

7,845

Need for Project

Sanitary sewers from the commercial buildings in the southwest portion of Upper Saddle River drain into the Ramsey Brook Interceptor. The Ramsey Brook Interceptor was not originally designed to handle flow from the southwest portion of Upper Saddle River. As a result, the line runs near capacity with some surcharging. Continuing commercial development in this area necessitates an alternate drainage source. Construction of a sanitary sewer collection system, which would drain into the northwest Bergen Interceptor, to serve both the expanding commercial and residential (currently served by septic system) communities in the southwest portion of Upper Saddle River has been proposed.

Project Description

Construction of a sanitary sewer collection system and interceptor. The sewer system would contain 9800 linear feet of 8-inch and 1000 linear feet of 10-inch diameter sanitary sewers.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : PASSAIC TWP

Project No. : 340404-05 Eligible Project Cost : $14,495,600
FY97 RANK : 120.0
County : MORRIS Total State Amount : $14,495,600

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	50
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission	.00000
Population	.00766
TOTAL POINTS	100.00766

Project Name, Number

Priority List Rank

Passaic Township
340404-05
Collection System, Interceptor

120

County

Morris

Service Area

Passaic Township

Existing Population

7,644

Need for Project

Certain areas of Passaic Township have malfunctioning septic systems which have been creating potential health hazard situations and a public nuisance.

Project Description

It is anticipated that this project will be for a collection system including interceptors, or other alternative system to alleviate the existing septic system problems. The project report plan work has not been initiated.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : CHESTERFIELD TOWNSHIP

Project No. : 340944-01 Eligible Project Cost : $17,899,139
FY97 RANK : 121.0
County : BURLINGTON Total State Amount : $17,899,139

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	50
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.00710
	TOTAL POINTS	100.00710

Project Name, Number

Chesterfield Township
340944-01
Collection System, STP

Priority List Rank

121

County

Burlington

Service Area

Village of Crosswicks and certain areas of Chesterfield Township

Population

7,100

Need for Project

The draft Township Master Plan has been developed to implement a Transfer of Development Rights (TDR) program to preserve agricultural lands in the Township. This program requires establishing a high density receving zone which requires public sewerage service. The Village of Crosswicks is in need of sanitary services to eliminate existing individual on-site disposal system problems.

Project Description

The proposed project consists of a collection system, trunk sewer, and three pumping stations to serve the Village of Crosswicks and receiving zone which will be developed to implement a TDR program. Wastewater treatment will be provided either by the Wagner Youth Correction Facility or by construction of a new STP.

NEW JERSEY STATE LIBRARY

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : MANCHESTER TOWNSHIP

Project No. : 340650-05 Eligible Project Cost : $13,791,502
FY97 RANK : 122.0
County : OCEAN Total State Amount : $13,791,502

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	50
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.00646
	TOTAL POINTS	100.00646

Project Name, Number | Priority List Rank

Manchester Township | 122
340650-05
Pumping Stations, Force Mains and Gravity Trunk Lines

County

Ocean

Service Area

Pine Lake Park area of Manchester Township

Existing Population

6,464

Need for Project

The tremendous rate of growth in the area, coupled with an increasing number of septic tanks, has placed a severe strain on the very permeable sandy soils to adequately treat the domestic wastewater. Because of a generally high groundwater table and the high percentage of septic system failures, pollution of the groundwater and surface water is suspected. Also, the current septic tank problems pose a potential threat to the health of local residents. Therefore, a proper sewage disposal system is necessary.

Project Description

The project is for the construction of three pump stations and approximately 35 miles of force mains and gravity sewers with diameters ranging from 8 inches to 24 inches. The wastewater will be conveyed to the existing 42-inch diameter Union Branch Interceptor owned and operated by the Ocean County Utilities Authority (OCUA). The wastewater will be treated at the OCUA's Central Plant located in Bayville for secondary treatment with effluent disposal to the Atlantic Ocean.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : CARLSTADT SA

Project No. : 340705-03 Eligible Project Cost : $5,342,181
FY97 RANK : 123.0
County : BERGEN Total State Amount : $5,342,181

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	50
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.00612
	TOTAL POINTS	100.00612

Project Name, Number

Priority List Rank

Carlstadt Sewerage Authority
340705-03
Int/Coll

123

County

Bergen

Service Area

Borough of Carlstadt

Existing Population

6,115

Need for Project

There are malfunctioning and inadequate on-site systems which cause a public nuisance in unsewered areas of Carlstadt. Additionally, a portion of Carlstadt's sewered flows are currently conveyed to the Rutherford/Carlstadt's Joint Meeting STP for treatment prior to discharge to Berry's Creek (FW2-NT/SE-2). This plant has been under a court order on consent to be abandoned in favor of regional treatment by the Bergen County Utilities Authority (BCUA). Existing water quality violates standards for dissolved oxygen, fecal coliform, and toxics.

Project Description

The facilities plan has evaluated alternative methods for the diversion of all or part of the flow from the Joint Meeting plant to the BCUA regional treatment facilities. The plan also identifies additional sanitary facilities needed to collect sewage in developed and developing areas of Carlstadt.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : MILFORD BOROUGH

Project No. : 340805-02 Eligible Project Cost : $4,076,260
FY97 RANK : 124.0
County : HUNTERDON Total State Amount : $4,076,260

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	100
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	100
	State Planning Commission	.00000
	Population	.00610
	TOTAL POINTS	100.00610

Project Name, Number

Priority List Rank

Borough of Milford
340805-02
Sludge & Septage Treatment/Disposal,
On-site, I/I Correction

124

County

Hunterdon

Service Area

Milford Borough, Holland Township

Existing Population

6,013

Need for Project

There is serious I/I existing in the sanitary sewer lines in Holland Township, which is causing noncompliance with the suspended solids limitations of the NJPDES permit during periods of excessive rain. In addition, the Milford Borough Sewer Utility, which is classified as a Category D facility, does not have the capability of handling septage and must plan for accepting the septage generated in its service area. Furthermore, alternatives to the treatment plant's current method of disposing of liquid sludge at a Pennsylvania landfill must be evaluated since it is on a short term basis.

Project Description

This project will be classified as a complete wastewater treatment system which includes Holland Township and Milford Borough. The Facilities Plan will develop alternatives for sludge disposal, and evaluate a septic management district. Also, an I/I and cost effectiveness analysis will be performed to determine the extent of excessive I/I in the system.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : PLUMSTED TWP MUA

Project No. : 340607-03 Eligible Project Cost : $16,649,994
FY97 RANK : 125.0
County : OCEAN Total State Amount : $16,649,994

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	50
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission	.00000
Population	.00601
TOTAL POINTS	100.00601

Project Name, Number

Plumsted Township MUA
340607-03
Collection System, STP

Priority List Rank

125

County

Ocean

Service Area

Plumsted Township (includes New Egypt, Archers Corner, Archertown, Brindletown and Colliers Mill areas)

Existing Population

6,005

Need for Project

A study performed for the service area has determined that overflowing and malfunctioning septic systems, poor soils and high density housing conditions exist in the planning area. A septic system survey found 81 percent of the residents in Plumsted Township are affected by malfunctioning on-site systems. The existing school sewage plant also needs improvement to meet treatment criteria and a new school is proposed which will need a larger capacity treatment facility.

Project Description

The proposed project includes the construction of a municipal collection system and a 210,000 GPD treatment plant to be located on Bight Road and discharge to Crosswicks Creek. The New Egypt School treatment plant will be eliminated. The collection system will include the downtown area of New Egypt and will include pumping stations, force mains, gravity sewers and related appurtenances as necessary. The sludge disposal method will be incorporated into the Ocean County sludge management plan.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : MAHWAH TOWNSHIP

Project No. : 340737-01 Eligible Project Cost : $230,325
FY97 RANK : 126.0
County : BERGEN Total State Amount : $230,325

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	50
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.00600
	TOTAL POINTS	100.00600

Project Name, Number

Priority List Rank

Mahwah, Township of
340737-01
Alternative Wastewater System

126

County

Bergen

Service Area

Mahwah Township (unsewered portion)

Existing Population

6,000

Need for Project

Facilities planning in Mahwah Township has identified areas of low density development which will remain unsewered for the planning period. However, areas of soils with limitations to on-site disposal exist, and on-site systems continue to fail in these areas. These malfunctions are considered to be public nuisances and must be addressed. It is, therefore, necessary to create a management program to address the correction of malfunctioning systems in unsewered areas.

Project Description

This project is still in the planning stages and the specifics of the septic management program to be adopted by the Township have not yet been determined. However, at a minimum, the program must provide for inspections of systems every three years.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : SUSSEX CO-BRANCHVILLE/FRANKFORD

Project No. : 340759-02 | Eligible Project Cost : $2,986,140
FY97 RANK : 127.0
County : SUSSEX | Total State Amount : $2,986,140

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	50
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.00596
	TOTAL POINTS	100.00596

Project Name, Number

Priority List Rank

Sussex County MUA - Paulinskill (Phase II)
Branchville/Frankford Area
340759-02
STP, PS, FM, Int.

127

County

Sussex

Service Area

The study area is delineated as the entire drainage basin (nearly 110 miles) of the Paulinskill River in Sussex County and includes the Newton and Branchville/Frankford areas. The service area for this Phase II - Branchville/Frankford project consists of Branchville Borough and Frankford Township.

Existing Population

5,955

Need for Project

The proposed service area is a clustered community which currently relies on on-site septic disposal systems for the treatment of wastewater. Many of these systems appear inadequate and are a public nuisance to the community. An on-going Step 1 study is presently being conducted under the Sussex County-Paulinskill Step I planning grant (C340449-01), to determine the nature, severity, and extent of the wastewater disposal problems for the 201 areas.

Project Description

The current Step I Facilities Plan will thoroughly evaluate existing wastewater treatment throughout the 201 area; and specifically the nature, severity, and extent of all disposal problems that are present. Based upon need, alternative solutions for the treatment and disposal of wastewater will be discussed. These alternatives may include on-site rehabilitation, small community systems, or a limited collection system. A state loan would be needed to implement the recommended wastewater treatment/disposal alternative for the Branchville/Frankford area.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : WHARTON BOROUGH

Project No. : 340489-03 Eligible Project Cost : $599,302
FY97 RANK : 128.0
County : MORRIS Total State Amount : $599,302

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	50
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.00557
	TOTAL POINTS	100.00557

Project Name, Number

Wharton Borough
340489-03
Collection System, Int.

Priority List Rank

128

County

Morris

Service Area

Borough of Wharton

Existing Population

5,567

Need for Project

The construction of sewers may be necessary for a small portion of the Township which is presently served by septic systems. Some of these septic systems have been malfunctioning, creating a public nuisance.

Project Description

This project involves the construction of a collection and interceptor system in a small portion of the Borough which would convey the wastewater to the Rockaway Valley Regional Sewerage Authority treatment plant. The facilities planning work is yet to be initiated.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : BERLIN TOWNSHIP

Project No. : 340790-02 Eligible Project Cost : $847,274
FY97 RANK : 129.0
County : CAMDEN Total State Amount : $847,274

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	50
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission .00000

Population .00555

TOTAL POINTS 100.00555

Project Name, Number

Berlin Township
340790-02
Collection System

Priority List Rank

129

County

Camden

Service Area

Berlin Township

Existing Population

5,546

Need for Project

At present there is no sewer service to the residents of Berlin Township. Well-drained, sandy soils and a shallow groundwater table increase the possibility of contamination to ground waters by individual septic tank disposal systems. In addition, contamination of the head waters of the Great Egg Harbor River (PL and FW2-NT) and nitrogen contamination of wells has been attributed to septic tank sources in Berlin Township. The systems are also creating a public nuisance.

Project Description

The proposed project consists of the construction of a new collection system of approximately 138,774 linear feet and four pumping stations. The collection system will connect to the regional CCMUA pumping station.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : HIGHTSTOWN BOROUGH

Project No. : 340915-02 Eligible Project Cost : $804,506
FY97 RANK : 130.0
County : MERCER Total State Amount : $804,506

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	100
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	100

State Planning Commission	.00000
Population	.00513
TOTAL POINTS	100.00513

Project Name, Number

Priority List Rank

Hightstown Borough
340915-02
Sludge Management

130

County

Mercer

Service Area

Borough of Hightstown

Existing Population

5,126

Need for Project

The need for the project is to provide improved biosolids handling and reduce costs.

Project Description

The purpose of the project is to purchase a Belt Filter Press for handling biosolids in a liquid or cake form, which ever is more cost effective. A building will be required for the press and dumpster during freezing weather.

Major project components include:

A) Building Site Work
B) Yard piping to convey biosolids to press
C) Building accessories, lighting, dumpster, rollup monorail, door, eyewash, shower, etc.
D) Utilities, plumbing, heating, floor drainage, ventilation
E) Piping modification, valves, pipes, supports
F) Equipment, belt press filter new, polymer feed system, progressive cavity pump, equipment installation, spiral conveyer, air compressor

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : FRANKFORD TWP

Project No. : 340742-02 Eligible Project Cost : $2,727,380
FY97 RANK : 131.0
County : SUSSEX Total State Amount : $2,727,380

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	50
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission .00000

Population .00511

TOTAL POINTS 100.00511

Project Name, Number

Frankford Township
340742-02
Collection System, Int.

Priority List Rank

131

County

Sussex

Service Area

Frankford Township

Existing Population

5,114

Need for Project

The Frankford Township area is currently relying on on-site septic disposal systems for the treatment of wastewater. Many of these existing systems appear inadequate. This is creating a public nuisance.

Project Description

This project is part of a wastewater treatment system to be developed by the Sussex County Municipal Utilities Authority, and consists of a proposed regional sewage treatment plant which will serve Frankford Township along with Branchville Borough. It includes the design and construction of a collection and interceptor system for the Frankford Township area pending completion and approval of the Phase II Facilities Plan for the Sussex County - Paulinskill 201 study area (C34449-01).

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : ATLANTIC HIGHLANDS BOROUGH

Project No. : 340857-01 Eligible Project Cost : $990,191
FY97 RANK : 132.0
County : MONMOUTH Total State Amount : $990,191

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	50
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.00498
	TOTAL POINTS	100.00498

Project Name, Number

Priority List Rank

Atlantic Highlands Borough
340857-01
Collection System

132

County

Monmouth

Service Area

Unsewered portions of Atlantic Highlands Borough

Existing Population

4,976

Need for Project

Failing septic systems in the unsewered areas of the Borough are causing a public nuisance.

Project Description

A gravity collection system is proposed to replace the existing failing septic systems. It is also proposed to rehabilitate the sanitary sewer system, which is approximately 60 years old, and has a severe infiltration and inflow problem.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : BLAIRSTOWN TWP

Project No. : 340568-02 Eligible Project Cost : $1,512,694
FY97 RANK : 133.0
County : WARREN Total State Amount : $1,512,694

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	50
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission	.00000
Population	.00489
TOTAL POINTS	100.00489

Project Name, Number

Blairstown Township
340568-02
Coll, Int.

Priority List Rank

133

County

Warren

Service Area

Blairstown

Existing Population

4,890

Need for Project

Presently Blairstown Township has failing on-site wastewater disposal systems. There are documented failures in parts of the Township that may eventually pose health problems in the future. There are no public wastewater collection and treatment facilities in the study area but there are currently two privately owned and operated wastewater treatment plants: Blair Academy and N. Warren Regional High School. The plants will be addressed through the regional project (Warren County Paulinskill/Blairstown, Project No. C340453-03).

Project Description

Warren County-Paulinskill MUA is developing a wastewater treatment system proposing a regional sewage treatment plant which will serve Blairstown Township (C340453-03).

This project (C340568-02) includes the construction of a collection system for the Village of Blairstown area.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : OLD BRIDGE MUA

Project No. : 340945-04 Eligible Project Cost : $33,032,119
FY97 RANK : 134.0
County : MIDDLESEX Total State Amount : $33,032,119

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	50
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.00475
	TOTAL POINTS	100.00475

Project Name, Number | Priority List Rank

Old Bridge Municipal Utilities Authority 340945-04
Collection System | 134

County

Middlesex

Service Area

Old Bridge Township, S. Old Bridge Brook Drainage Basin and Runyon Drainage Basin

Existing Population

4,750

Need for Project

South Old Bridge area is presently serviced by on-site systems. Many of these systems are malfunctioning.

Project Description

The proposed project consists of 2 pumping stations, trunk sewer, force main and collection systems.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : DENVILLE TOWNSHIP

Project No. : 340466-03 Eligible Project Cost : $18,210,232
FY97 RANK : 135.0
County : MORRIS Total State Amount : $18,210,232

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	50
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.00450
	TOTAL POINTS	100.00450

Project Name, Number

Denville Township
340466-03
Collection, PS, FM.

Priority List Rank

135

County

Morris

Service Area

A segment of Denville Township.

Existing Population

4,500

Need for Project

The use of on-site systems is the primary method of wastewater disposal in the Township, however, it is causing a public nuisance. The on-site systems exhibit a high rate of malfunctions, which correspond to soils with severe limitations for on-site disposal as determined by the Soil Conservation Service.

Project Description

This project is for the first segment of sewering the entire Township. This segment is for the construction of approximately 68,000 L.F. of 8-inch to 14-inch gravity sewers, 2 pump stations and approximately 12,000 L.F. of 6-inch and 10-inch force main. Wastewater from the Township will be conveyed to the existing Rockaway Valley Regional Sewage Authority Treatment Plant for ultimate disposal.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient :-WASHINGTON TOWNSHIP MUA

Project No. : 340951-01 Eligible Project Cost : $14,772,404
FY97 RANK : 136.0
County : MORRIS Total State Amount : $14,772,404

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	50
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.00443
	TOTAL POINTS	100.00443

Project Name, Number

Priority List Rank

Washington Township MUA
340951-01
Collection System, STP

136

County

Morris

Service Area

Two developed areas of Washington Township known as Long Valley Village and Parker Acres

Existing Population

4,434

Need for Project

Both areas - Long Valley Village and Parker Acres - experience frequent failures of existing septic systems. Lot sizes are predominately 1 acre. However, in the Long Valley Village area there are a number of older homes and businesses located on 1/4 acre parcels. Most buildings in both areas are located in zones with soils of low permeability and/or steep topography having slopes greater than 15 percent. The combination of these features makes repair of the failed septics difficult. In many instances, systems complying with modern septic system construction codes can not be constructed.

Project Description

To eliminate the ongoing problems, the construction of sewerage collection and treatment facilities are proposed. The installation of a local collection system in the Long Valley Village area is necessary. The sewerage collected in the Long Valley Village area would be routed to a new Treatment Facility proposed at the downstream end of the drainage basin near the South Branch. Treatment, inclusive of filtration and disinfection, would be carried out as required to allow surface water disposal.

The Parker Acres area had dry sanitary sewers installed as the area was developed. A new local collection system is not needed in this area. Effluent from the Parker Acres area would be pumped into the Long Valley Plant for treatment and disposal at that proposed facility.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : MINE HILL TOWNSHIP

Project No. : 340498-01 Eligible Project Cost : $4,165,592
FY97 RANK : 137.0
County : MORRIS Total State Amount : $4,165,592

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	50
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.00311
	TOTAL POINTS	100.00311

Project Name, Number

Mine Hill Township
340498-01
Collection System, Int.

Priority List Rank

137

County

Morris

Service Area

Mine Hill Township

Existing Population

3,110

Need for Project

The Township has proposed the construction of a collection system for certain areas where septic systems have been experiencing problems and creating a public nuisance.

Project Description

It is anticipated that this project will be for a collection and interceptor system. The wastewater from the project area will be conveyed to the existing RVRSA treatment plant. The Township is in the process of developing a wastewater management program and is currently determining with RVRSA the required allocation to tie-in.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : HAMMONTON TOWN

Project No. : 340927-03 Eligible Project Cost : $4,989,041
FY97 RANK : 138.0
County : ATLANTIC Total State Amount : $4,989,041

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	50
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission	.00000
Population	.00270
TOTAL POINTS	100.00270

Project Name, Number

Priority List Rank

Hammonton Town
340927-03
Collection System

138

County

Atlantic

Service Area

Southwest/Southeast portions of Hammonton

Existing Population

2,700

Need for Project

Residents in the area have expressed problems with failing septic systems and individual potable water supply well contamination. This project will also assist residents who have lost the use of their land due to the septic nitrate regulations of the Pinelands Commission. The increased amount of customers will assist the sewer user base and help to reduce the overall user cost for everyone on line.

Project Description

The project consists of replacement of existing sewer interceptors and the construction of new interceptors, pump station, force mains and sewer collection mains. Although the projects are not contiguous, the type of work and benefits derived will be similar.

The Southeast Hammonton area will consist of the placement of a 12" sanitary sewer trunk line within the rights-of-way of Thirteenth Street, Egg Harbor Road and Fourteenth Street. Eight (8) inch collector sewer lines will be installed within the remaining roadways of this project area.

The Southeast Hammonton area will consist of the placement of a 12 inch sanitary sewer trunk line within Park Avenue, easement areas, Grand Street and through a portion of the Fox Chase Development. A 10" line will be installed along Ninth Street and a portion of Tenth Street. The remaining streets in this area will be serviced with an 8 inch sanitary sewer. It is also anticipated that an upgrade of the existing pump station located on Park Avenue will have to be completed or a new station installed on Grand Street at the low point to service this area.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : RIVERDALE BOROUGH

Project No. : 340729-01 Eligible Project Cost : $1,744,301
FY97 RANK : 139.0
County : MORRIS Total State Amount : $1,744,301

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	50
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission	.00000
Population	.00242
TOTAL POINTS	100.00242

Project Name, Number

Priority List Rank

Borough of Riverdale
340729-01
Collection System, Int.

139

County

Morris

Service Area

The service area consists of the Borough of Riverdale.

Existing Population

2,421

Need for Project

The area is served entirely by individual septic systems discharging to the ground water table. Failures appear to be contributing to surface and subsurface pollution of the ground and groundwater, posing a potential health problem and public nuisance.

Project Description

The project consists of a collection system and interceptor for the major portion of the Borough. This will significantly reduce the potential for water pollution from malfunctioning septic systems and reduce the public health hazard. The project report has not yet been submitted.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : RIVERDALE BOROUGH

Project No. : 340473-01 Eligible Project Cost : $4,345,404
FY97 RANK : 140.0
County : MORRIS Total State Amount : $4,345,404

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	50
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission	.00000
Population	.00241
TOTAL POINTS	100.00241

Project Name, Number

Riverdale Borough
340473-01
Interceptor

Priority List Rank

140

County

Morris

Service Area

The service area consists of the Borough of Riverdale.

Existing Population

2,421

Need for Project

The area is served entirely by individual septic systems discharging to the groundwater table. Failures appear to be contributing to surface and subsurface pollution of the ground and groundwater, posing a potential health problem and public nuisance.

Project Description

The project consists of construction of an interceptor sewer to provide a complete collection system for the major part of the Borough. This will significantly reduce the potential for water pollution from malfunctioning septic systems and reduce the public health hazard. The project report work has not yet been initiated.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : MAHWAH TOWNSHIP

Project No. : 340592-06 Eligible Project Cost : $5,532,128
FY97 RANK : 141.0
County : BERGEN Total State Amount : $5,532,128

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	50
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission .00000

Population .00235

TOTAL POINTS 100.00235

Project Name, Number

Priority List Rank

Mahwah Township
340592-06
Collection System, Int.

141

County

Bergen

Service Area

Portion of the Township of Mahwah

Existing Population

2,350

Need for Project

The area is currently served by septic systems; failures appear to be contributing to the pollution of groundwater, a potable water source, however this has yet to be documented. This could result in health problems in the community. The project would also convey wastewater from package plants in the Township.

Project Description

The project involves construction of collection system to serve Craigmere and Oak Hills sections of Mahwah Township. The wastewater will be conveyed through the Northwest Bergen County Sewer Authority interceptors and then to the treatment plant in Waldwick. The facilities plan work has not been submitted by the Township.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : WEST PATERSON BOROUGH

Project No. : 340778-03 Eligible Project Cost : $1,964,707
FY97 RANK : 142.0
County : PASSAIC Total State Amount : $1,964,707

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	50
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.00220
	TOTAL POINTS	100.00220

Project Name, Number	Priority List Rank
West Paterson Borough 340778-03 Collection System	142

County

Passaic

Service Area

Southeast section of the Borough of West Paterson

Existing Population

2,200

Need for Project

The Southeast section of the Borough of West Paterson has malfunctioning septic systems which have been creating a public nuisance and are a potential health hazard.

Project Description

The proposed project consists of the construction of approximately 8,000 LF of 8-inch gravity sewer and a small pumping station to convey the wastewater to the existing municipal sewer system. All existing and future sewage flows within this area are to be conveyed to the Passaic Valley Sewerage Commissioners' wastewater treatment plant located in Newark, for treatment and disposal.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : PEAPACK & GLADSTONE BOROUGH

Project No. : 340822-02 Eligible Project Cost : $1,438,688
FY97 RANK : 143.0
County : SOMERSET Total State Amount : $1,438,688

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	75
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	75

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	25	25
	SUBTOTAL	25
	State Planning Commission	.00000
	Population	.00211
	TOTAL POINTS	100.00211

Project Name, Number

Priority List Rank

Peapack-Gladstone Borough
340822-02
Interceptors, Pumping Station

143

County

Somerset

Service Area

Entire Borough of Peapack-Gladstone

Existing Population

2,111

Need for Project

The existing wastewater treatment plant is unable to meet effluent limitations and has insufficient capacity for projected growth. The plant discharges to Peapack Brook (FW2-TP (C1)), a fishable trout stream.

STP (level of treatment)	Flow (mgd) Design	Present	Effluent BOD Reported % - mg/l	SS Reported % - mg/l
Peapack-Gladstone (Secondary) (NJ0021881)	0.200	0.183	93.7 - 9.2	94.7 - 6.8

Project Description

In order to meet the existing and future sewerage treatment needs of the Borough, and in order to comply with state and national water quality goals, the Borough has elected to decommission its existing treatment plant and create a transmission system to convey its sewage to the regional facility of the Environmental Disposal Corporation (EDC) in Bedminster.

The transmission system will have a capacity of 450,000 gallons per day, consisting of a new sewage pumping station at the site of the existing treatment plant in Peapack, and a 4.1 mile long pipe line to EDC plant in Bedminster.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : EVESHAM MUA

Project No. : 340838-01 Eligible Project Cost : $3,671,039
FY97 RANK : 144.0
County : BURLINGTON Total State Amount : $3,671,039

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	50
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission	.00000
Population	.00210
TOTAL POINTS	100.00210

Project Name, Number | Priority List Rank

Evesham Twp. Municipal Utilities Authority 144
340838-01
Alternative Wastewater Systems

County

Burlington

Service Area

Highly dispersed areas of Evesham Township including the Marlton Lakes area.

Existing Population

2100

Need for Project

The Marlton Lakes area of Evesham Township has experienced on-site disposal problems for the past seven years. Monitoring of potable water wells has shown high nitrate readings and the lake has shown indications of eutrophication from elevated nitrate levels. Approximately 850 developed properties exist in the southern two thirds of the Township, with about 40% concentrated in the Marlton Lakes area. A review of the more concentrated areas of development shows that on-site systems are located on Lakewood and Evesboro soils that have severe limitations for septic systems due to high permeability. Many homes in the highly dispersed areas of the Township have also experienced on-site disposal problems. In the northern portions of the Township, outside of the existing sewer service areas, many homes experiencing problems are located on Kresson and Marlton soils, having severe limitation for on-site disposal due to poor permeability.

Project Description

The recommended plan for wastewater management for southern Evesham Township has been divided into two regions based primarily on the need for wastewater management and population density:

- Marlton Lakes Community: Small Diameter/STEP sewer system with centralized wastewater treatment utilizing the Carrousel process followed by effluent disposal in a series of Rapid Infiltration basins.

- Remainder of Southern Evesham Township: Privately owned publicly managed septic system management district entailing periodic septic tank pump-out and septic system inspection. Pump-out and maintenance/repair costs would be the responsibility of the owner.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : STAFFORD MUA

Project No. : 340946-02 Eligible Project Cost : $7,977,616
FY97 RANK : 145.0
County : OCEAN Total State Amount : $7,977,616

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	50
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.00190
	TOTAL POINTS	100.00190

Project Name, Number

Priority List Rank

Stafford MUA
340946-02
Collection System

145

County

Ocean

Service Area

Ocean Acres Area of Stafford Township

Existing Population

1,900

Need for Project

The area residents are using individual on-site septic systems for wastewater disposal which pose a pollution threat to the groundwater and to public health. The area is in a Regional Growth Area of the Pinelands Commission and is identified as an area to be sewered in the Pinelands Infrastructure Master Plan with an allowable development of approximately 1,800 residential lots.

Project Description

The project is for the construction of approximately 20 miles of gravity sewers and force mains, 4 pump stations, and the associated manholes and house laterals which will collect and convey about 0.5 mgd projected ultimate wasteflow via the existing Manahawkin Interceptor to the Ocean County Utilities Authority's Southern Water Pollution Control Facilities located in West Creek.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient :-KINNELON BOROUGH

Project No. : 340487-02 Eligible Project Cost : $9,964,412
FY97 RANK : 146.0
County : MORRIS Total State Amount : $9,964,412

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	50
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission	.00000
Population	.00170
TOTAL POINTS	100.00170

Project Name, Number

Priority List Rank

Kinnelon Borough
340487-02
Collection, PS, FM, INT.

146

County

Morris

Service Area

A portion of the Borough of Kinnelon

Existing Population

1,696

Need for Project

The Borough has proposed the construction of a collection system for a small area of the Borough where on-site disposal systems have been experiencing problems/malfunctions. Water quality standards are currently marginally meeting fecal coliform and nutrients.

Project Description

It is anticipated that this project will be for the construction of one pump station, force main, and approximately 48,000 L.F. of gravity sewer. The Borough of Kinnelon has become a member of the Pequannock River Basin Regional Sewerage Authority (PRBRSA) (January 1, 1991). The project would connect to a PRBRSA interceptor at the Butler/Kinnelon boundary and all wastewater would be discharged to the Pequannock-Lincoln Park-Fairfield Sewerage Authority for treatment.

NEW JERSEY STATE LIBRARY

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : -HOPE TOWNSHIP

Project No. : 340872-01 Eligible Project Cost : $508,696
FY97 RANK : 147.0
County : WARREN Total State Amount : $508,696

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	50
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission	.00000
Population	.00166
TOTAL POINTS	100.00166

Project Name, Number

Priority List Rank

Hope Township
340872-01
Individual Systems

147

County

Warren

Service Area

The study area for this project consists of Hope Township within the Pequest Basin.

Existing Population

1,657

Need for Project

The majority of the township is currently using cesspools as a means of on-site wastewater disposal. Failures of these systems have created potential health hazards. In the Silver Lake area, the water table is high and wells are shallow. Cesspools and septic systems have been a public nuisance through surface failures and groundwater pollution. The septic malfunctions have been threatening the health and welfare of the local residents. Because of the existing small lot size, soil limitations and lack of adequate planning for runoff management, there is significant potential for future environmental and health problems within the community as well as problems of the degradation of water quality in Silver Lake.

Project Description

This project is still in early stage of planning and proposes small diameter gravity system connected to a community-based leaching field as an alternative solution to malfunctioning septic systems. Also included is a sub-surface drainage system to be installed to collect and divert high, seasonal groundwater and run-off to protect the disposal bed from flooding.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : PEQUANNOCK TOWNSHIP

Project No. : 340480-06 Eligible Project Cost : $9,333,821
FY97 RANK : 148.0
County : MORRIS Total State Amount : $9,333,821

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	50
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.00134
	TOTAL POINTS	100.00134

Project Name, Number

Pequannock Township
340480-06
Collection System

Priority List Rank

148

County

Morris

Service Area

Pequannock Township

Existing Population

1,344

Need for Project

The project is needed to improve existing wastewater treatment practices through the elimination of approximately 490 on-site disposal systems in a residential/commercial area and replacing them with a sanitary sewer system. The soils in this service area are classified by the Soil Conservation Service as severely limiting for on-site disposal. The average housing stock in this area is in excess of 35 years and health surveys have indicated an incidence of septic system malfunctions and shallow aquifer contamination. The proposed sewer system will provide the transmission facilities to convey the wastewater to the Pequannock, Lincoln Park and Fairfield Park Sewerage Authority (TBSA) facilities for ultimate treatment.

Project Description

This Phase IV project will be an extension of the Phase III sanitary sewer system and will include the residential area known as the "Village" and the commercial areas on Route 23.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : -BRIDGEWATER TOWNSHIP

Project No. : 340638-03 Eligible Project Cost : $2,273,143
FY97 RANK : 149.0
County : SOMERSET Total State Amount : $2,273,143

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	50
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission	.00000
Population	.00133
TOTAL POINTS	100.00133

Project Name, Number

Priority List Rank

Bridgewater Township
340638-03
Collection System, Int.

149

County

Somerset

Service Area

Bridgewater Township (various portions)

Existing Population

1,338

Need for Project

Poor soil conditions and shallow depth to bedrock are causing a significant number of septic systems in the service area to malfunction and cause a public nuisance.

Project Description

This project involves construction of collector and interceptor sewers in eight sections of Bridgewater Township. These collectors will tie into existing trunk sewers which lead to the Somerset-Raritan Valley Sewerage Authority treatment plant.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : WASHINGTON TOWNSHIP

Project No. : 340930-01 Eligible Project Cost : $3,407,090
FY97 RANK : 150.0
County : GLOUCESTER Total State Amount : $3,407,090

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	50
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission .00000

Population .00131

TOTAL POINTS 100.00131

Project Name, Number

Priority List Rank

Washington Township
340930-01
Collection System

150

County

Gloucester

Service Area

Washington Township

Existing Population

1,309

Need for Project

Failure of on-site sewage disposal systems within the Gardendale and Grenlock areas of Washington Township have created a public nuisance. Project is necessary to eliminate failing septic systems and to construct a sanitary sewer collection system to service several of the older developments within Washington Township.

Project Description

Construction of extensions to the existing sanitary sewer collection system. The extension to the Grenloch area collection system will consist of approximately 9,895 linear feet (L.F.) of gravity main, 1,750 LF of 4" force main, 1 pump station and all appurtenances along Park Avenue, Lake Avenue, Central Avenue, Edgewater Avenue, Milburn Avenue, Arbutus Avenue and Woodbury-Turnersville Road.

The extension to the East Gardendale area collection system will consist of approximately 10,940 LF of 8" gravity main and all other appurtenances. The extension will include McKinley Avenue, Garfield Avenue, Myrtle Avenue, Spruce Street, Chestnut Street, Lucust Street, Pine Street, Copper Street, Hilbert Drive and Forrest Street.

The extension to the Wilson Road area collection system will consist of approximately 2,890 LF of 8" gravity main and all appurtenances. The Wilson Road area extension will include West End Avenue, Salem Avenue, Glen Avenue, Wilson Road and Woodbury-Turnersville Road.

All new flows are to be conveyed to and treated at the Gloucester County Utilities Treatment Plant.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient :-MANCHESTER TOWNSHIP

Project No. : 340650-06 Eligible Project Cost : $3,340,073
FY97 RANK : 151.0
County : OCEAN Total State Amount : $3,340,073

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	50
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission .00000

Population .00128

TOTAL POINTS 100.00128

Project Name, Number | Priority List Rank

Manchester Township | 151
340650-06
Pumping Stations, Force Mains and Collection System

County

Ocean

Service Area

Holly Oaks/Knollwoods area of the Manchester Township

Existing Population

1,277

Need for Project

The tremendous rate of growth in the area, coupled with an increasing number of septic tanks, has placed a severe strain on the very permeable sandy soils to adequately treat the domestic wastewater. Because of a generally high groundwater table and the high percentage of septic system failures, pollution of the groundwater and surface water is suspected. Also, the current septic tank problems pose a potential threat to the health oflocal residents. Therefore, a proper sewage disposal system is necessary.

Project Description

The project is for the construction of two pump stations and approximately 8 miles of force mains and gravity sewers with diameters ranging from 6 inches to 12 inches. The wastewater will be conveyed to the existing 42-inch diameter Union Branch Interceptor owned and operated by the Ocean County Utilities Authority (OCUA). The wastewater will be treated at the OCUA's Central Plant located in Bayville for secondary treatment with effluent disposal to the Atlantic Ocean.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : VOORHEES TOWNSHIP

Project No. : 340875-01 Eligible Project Cost : $5,903,765
FY97 RANK : 152.0
County : CAMDEN Total State Amount : $5,903,765

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	50
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission	.00000
Population	.00118
TOTAL POINTS	100.00118

Project Name, Number

Priority List Rank

Voorhees Township
340875-01
Collection System, Pump Station Upgrade

152

County

Camden

Service Area

Voorhees Township (Route 73 and Evergreen Pump Station Service Areas)

Existing Population

1,180

Need for Project

The on-site systems located along Route 73 in Voorhees Township are presently experiencing a high malfunction rate, causing a public nuisance. There is also a potential problem of groundwater pollution due to failure of these on-site systems. Also the force mains of the Evergreen Pump Station must be realigned and enlarged in order for the pump station to function adequately.

Project Description

The proposed project includes the construction of 19,300 feet of gravity sewers, 14,000 feet of force mains and a new pump station in the Route 73 service area. In addition, the project includes realigning and enlarging the force main, from 4-inch diameter to 6-inch diameter, in a 2,600 linear foot section that conveys sewage from the Evergreen Pump Station.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : RARITAN TOWNSHIP MUA

Project No. : 340485-04 Eligible Project Cost : $8,583,061
FY97 RANK : 153.0
County : HUNTERDON Total State Amount : $8,583,061

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	50
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission	.00000
Population	.00114
TOTAL POINTS	100.00114

Project Name, Number | Priority List Rank

Raritan Township MUA (RTMUA) 153
340485-04
Alternative Collection, Alternative Systems

County

Hunterdon

Service Area

Raritan Township

Existing Population

1,442

Need for Project

This project is proposed for the elimination of malfunctioning septic systems. Existing water quality in the area does not meet standards for dissolved oxygen and fecal coliform and marginally meets standards for nutrient and toxics.

Project Description

According to the 201 Facilities Plan for the Middle South Branch of the Raritan River, collection systems were proposed for Sand Hill Road, Sunny Hills Estates, Old Craton Road, Raritan Gardens, Broad Acres and Ridge Road areas, individual & mound systems for the Deerpath Village and Southridge areas, and a STEP system for Bridgeview Estates. The septic tank effluent from the effluent collectors and STEP System will be treated at the Raritan Township MUA.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : UPPER TWP (STRATHMERE)

Project No. : 340619-03 Eligible Project Cost : $2,332,760
FY97 RANK : 154.0
County : CAPE MAY Total State Amount : $2,332,760

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	50
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission	.00000
Population	.00091
TOTAL POINTS	100.00091

Project Name, Number

Priority List Rank

Upper Township (Strathmere)
340619-03
Sewage Collection and
Interceptor System

154

County

Cape May

Service Area

Strathmere Section of Upper Township

Existing Population

919
2,576 (Summer Peak)

Need for Project

This project is proposed for the elimination of public nuisance associated with ground and surface water pollution possibly resulting from malfunctioning individual on-site wastewater treatment systems. The Strathmere section of Upper Township is a recreational island community characterized by high summer population densities and high groundwater levels.

Project Description

Upper Township proposes the planning, design and construction of a new sanitary sewage collection and interceptor system for the elimination of the existing improperly operating on-site systems. Wastes collected in this system will be pumped into the Avalon system for transmission to the proposed 7.67 mgd Seven Mile/Middle regional treatment facility. The collection and treatment of wastes generated by the Strathmere section of Upper Township were included in the Seven Mile/Middle regional plans.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient :-PEQUANNOCK TOWNSHIP

Project No. : 340480-05 Eligible Project Cost : $6,403,679
FY97 RANK : 155.0
County : MORRIS Total State Amount : $6,403,679

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	50
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission .00000

Population .00086

TOTAL POINTS 100.00086

Project Name, Number

Pequannock Township
340480-05
Collection System

Priority List Rank

155

County

Morris

Service Area

Pequannock Township

Existing Population

855

Need for Project

The project is needed to improve existing wastewater treatment practices through the elimination of on-site disposal systems in a residential/commercial area and replacing them with a sanitary sewer system as well as for future growth. The soils in this service area are classified by the Soil Conservation Service as severely limiting for on-site disposal. The average housing stock in this area is in excess of 35 years and health surveys have indicated an incidence of septic system malfunctions and shallow aquifer contamination.

Project Description

This Phase III project will be an extension of the Phase I sanitary sewer system and will include the residential area between Greenwood Avenue and Pequannock Avenue and the commercial properties along the southern portion of Route 23. The proposed sewer system will provide the transmission facilities to convey the wastewater to the Pequannock, Lincoln Park and Fairfield Park Sewerage Authority (TBSA) facilities for ultimate treatment.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : -BRANCHVILLE BOROUGH

Project No. : 340740-02 Eligible Project Cost : $3,112,805
FY97 RANK : 156.0
County : SUSSEX Total State Amount : $3,112,805

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	50
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission .00000

Population .00085

TOTAL POINTS 100.00085

Project Name, Number

Priority List Rank

Branchville Borough
340740-02
Collection System, Int.

156

County

Sussex

Service Area

Branchville

Existing Population

854

Need for Project

The Branchville area is currently relying on on-site septic disposal systems for the treatment of wastewater. Many of these existing systems appear inadequate and are becoming a public nuisance.

Project Description

This project is part of a wastewater treatment system to be developed by the Sussex County Municipal Utilities Authority and consists of a proposed regional sewage treatment plant which will serve Frankford Township along with Branchville Borough. It concludes the design and construction of a collection and interceptor system for the Branchville Borough area pending completion and approval of the Phase II Facilities Plan for the Sussex County - Paulinskill 201 study area (C340449-01).

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : -SOUTHAMPTON TOWNSHIP

Project No. : 340961-01 Eligible Project Cost : $2,460,655
FY97 RANK : 157.0
County : BURLINGTON Total State Amount : $2,460,655

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	50
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission	.00000
Population	.00081
TOTAL POINTS	100.00081

Project Name, Number

Priority List Rank

Southampton Township
340961-01
Collection System

157

County

Burlington

Service Area

Village of Vincentown

Existing Population

805

Need for Project

The Village of Vincentown is primarily a residential area currently using individual on-site wastewater treatment disposal systems. A survey report was made by the Burlington County Health Department, which showed that many of the systems are having serious problems.

Project Description

The topography of the area to be served (Village of Vincentown) is not steep sloped, but with gently sloping grades. The major obstacles are three small streams, which will be crossed by hanging insulated pipes on the existing bridges. 11,200 L.F. 8 inch san. sewer pipe and 3800 L.F. force main will be installed. The project also entails 230 laterals, 44 manholes, and pavement restoration.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : GALLOWAY TOWNSHIP

Project No. : 340892-02 Eligible Project Cost : $5,700,971
FY97 RANK : 158.0
County : ATLANTIC Total State Amount : $5,700,971

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	50
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission	.00000
Population	.00080
TOTAL POINTS	100.00080

Project Name, Number

Priority List Rank

Galloway Township
340892-02
Collection System, Pumping Stations

158

County

Atlantic

Service Area

South Egg Harbor City

Existing Population

809

Need for Project

The present disposal system for the area is a septic system, which is failing and may pose a threat to health and may also contaminate surface and groundwaters.

The Pinelands Commission has recently adopted a new ordinance that affects this area. The zoning of the South Egg Harbor City Section of the Township reflects this change and conforms to the Pinelands comprehensive management plan.

Project Description

The proposed sanitary sewer extension project consists of approximately 60,000 linear feet of 8-inch, 10-inch, or 12-inch diameter gravity sanitary sewer lines to service the existing population of the area. The system is designed to consist of 231 unsewered dwelling units (@ 3.5 persons per dwelling unit).

Two pumping stations will also be necessary. One is planned to be located along Pittsburg Avenue, the other along Bella Donna Street.

The wastewater flow from this area will be conveyed via the ACUA Pomona Pump Station to the ACUA Coastal Plant for secondary treatment, with effluent discharge to the Atlantic Ocean.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : MORRIS TOWNSHIP

Project No. : 340724-04 Eligible Project Cost : $2,292,782
FY97 RANK : 159.0
County : MORRIS Total State Amount : $2,292,782

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	50
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission	.00000
Population	.00076
TOTAL POINTS	100.00076

Project Name, Number

Morris Township
340724-04
Collection System

Priority List Rank

159

County

Morris

Service Area

Mendham/Delbarton Area: Butterworth STP

Existing Population

765

Need for Project

The project is necessary to provide sewer service to developed areas of the Township that are not presently sewered and that have had a high incidence of septic system failures.

Project Description

The proposed project consists of the construction of a collection system in the Mendham Road/Delbarton Area which will sewer 106 existing lots in the Wood Road and Indian Head Road Areas. Flow will be conveyed to the Butterworth STP. This project required a Level III environmental review due to the adjacent Washington Valley. The selected alternative will be determined upon the completion of the Environmental Impact Statement.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : NORTH ARLINGTON BOROUGH

Project No. : 340959-02 Eligible Project Cost : $708,957
FY97 RANK : 160.0
County : BERGEN Total State Amount : $708,957

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	50
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission	.00000
Population	.00066
TOTAL POINTS	100.00066

Project Name, Number

Priority List Rank

North Arlington Borough
340959-02
Collection System

160

County

Bergen

Service Area

North Arlington Borough

Existing Population

669

Need for Project

Elimination of malfunctioning on-site septic systems and holding tanks, by providing new collection system and transportation of wastewater flows to the Passaic Valley Sewerage Commissioners STP for treatment and disposal.

Project Description

Construction of 3,600 feet of collection sewers, to serve the Porete Avenues section of North Arlington. The wastewater will be conveyed through the North Arlington-Lyndhurst Joint Meeting's sewer system to the Passaic Valley Sewerage Commissioners STP.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : SHAMONG TWP

Project No. : 340831-01 Eligible Project Cost : $2,702,506
FY97 RANK : 161.0
County : BURLINGTON Total State Amount : $2,702,506

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	50
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission	.00000
Population	.00062
TOTAL POINTS	100.00062

Project Name, Number

Priority List Rank

Shamong Township
340831-01
Alternative Wastewater System

161

County

Burlington

Service Area

Barton's Lake and Fawn Lake Villages in Shamong Township

Existing Population

617

Need for Project

The Fawn Lake and Barton's Lake areas of Shamong Township have been experiencing on-site disposal problems for the past ten years. Barton's Lake Village is a development of 77 homes adjacent to Indian Mills Lake. This development is experiencing failures due to high groundwater and soil constraints.

The Fawn Lake Village is a mobile home park with approximately 114 units, served by combined septic systems. Problems experienced in the development appear to be associated with undersized systems and soil constraints. The Fawn Lake Village is adjacent to Springers Brook, a tributary of the Mullica River.

Project Description

The facilities plan indicates that two septic tank effluent collection systems, which will convey partially treated wastewater to two community leachfields, will be the most cost-effective solutions for the two problem areas.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : PLAINSBORO TOWNSHIP

Project No. : 340836-01 Eligible Project Cost : $2,089,419
FY97 RANK : 162.0
County : MIDDLESEX Total State Amount : $2,089,419

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	50
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission	.00000
Population	.00045
TOTAL POINTS	100.00045

Project Name, Number

Plainsboro Township
340836-01
Coll, Int.

Priority List Rank

162

County

Middlesex

Service Area

Township of Plainsboro

Existing Population

450

Need for Project

A portion of Plainsboro Township is presently served by on-site systems. Many of these systems are malfunctioning and result in the surfacing of sewage and sewage back-ups into homes. This problem is a potential health threat and public nuisance to the residents in that area.

Project Description

The preliminary solution to the malfunctioning septic systems is to install a gravity collection system and interceptor for treatment at the Lin Pro Utility Company STP and discharge into Cranbury Brook, a tributary to the Millstone River.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : FRANKLIN TWP SA

Project No. : 340839-01 Eligible Project Cost : $1,589,512
FY97 RANK : 163.0
County : SOMERSET Total State Amount : $1,589,512

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	50
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.00042
	TOTAL POINTS	100.00042

Project Name, Number

Priority List Rank

Franklin Township Sewerage Authority
340839-01
Pump Station, Interceptor, Force Main

163

County

Somerset

Service Area

East Millstone Section (120 homes) of Franklin Township

Existing Population

420

Need for Project

East Millstone section of Franklin Township has been experiencing on-site disposal problems due to high groundwater and shallow depth to bed rock. In addition, problems experienced in the development appear to be associated with smaller lots and soil constraints. In the 1800's and early 1900's, these limitations were overcome by discharging septic tank effluent directly into the Delaware and Raritan Canal which is now a major source of potable water for surrounding areas. Some of these connections may still exist today. Overflow from failed systems run into the canal. A preliminary survey revealed several failed septic systems in this section.

Project Description

The proposed project will include the construction of a new pump station, upgrading an existing pump station, and construction of approximately 8,700 LF of 8-inch gravity sewer and 9,000 LF of force main.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : CLAYTON BOROUGH(SILVER LAKE)

Project No. : 340918-01 Eligible Project Cost : $696,197
FY97 RANK : 164.0
County : GLOUCESTER Total State Amount : $696,197

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	50
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50
State Planning Commission		.00000
Population		.00041
TOTAL POINTS		100.00041

Project Name, Number	Priority List Rank
Clayton Borough (Silver Lake) 340918-01 Collection System	164

County

Gloucester

Service Area

Silver Lake Area of Clayton

Existing Population

410

Need for Project

There are 105 homes within the proposed service area (Silver Lake) which have experienced problems and/or failures with their individual disposal systems. This situation has created a public nuisance.

Project Description

The proposed project is for the construction of collector sewers for the Silver Lake service area to the existing 8" gravity system on Bernard Street. The wastewater will be conveyed via an existing Gloucester County Utilities Authority interceptor to the regional plant in Paulsboro for treatment.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient :-PENNSVILLE SA

Project No. : 340870-01 Eligible Project Cost : $2,157,878
FY97 RANK : 165.0
County : SALEM Total State Amount : $2,157,878

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	50
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission	.00000
Population	.00040
TOTAL POINTS	100.00040

Project Name, Number

Priority List Rank

Pennsville Township
340870-01
Collection System

165

County

Salem

Service Area

A portion of the Township of Pennsville

Existing Population

400

Need for Project

The Hook Road and Sapawna Lane areas of the Township of Pennsville contain a large percentage of septic overflow problems, resulting in the existence of a public health nuisance.

Project Description

This project will consist of the installation of a low pressure collection system for the Hook Road and Sapawna Lane sections of the Township.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : BUENA BOROUGH MUA

Project No. : 340833-01 Eligible Project Cost : $721,335
FY97 RANK : 166.0
County : ATLANTIC Total State Amount : $721,335

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	50
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission	.00000
Population	.00035
TOTAL POINTS	100.00035

Project Name, Number

Priority List Rank

Buena Borough MUA
340833-01
Alternative Wastewater System

166

County

Atlantic

Service Area

Borough of Buena

Existing Population

350

Need for Project

A high water table and poor soil conditions contribute to the failure of the existing on-site systems. Continued reliance on inadequate systems may degrade groundwater quality in the area. In addition, the potential for ponding septage and other problems associated with system failure may create a public health problem.

Project Description

The project report will evaluate all feasible collection and on-site treatment alternatives in order to determine the most cost-effective and environmentally acceptable alternative to treat wastewater in those areas of Buena which are presently unsewered.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : PEQUANNOCK TOWNSHIP

Project No. : 340480-03 Eligible Project Cost : $1,645,877
FY97 RANK : 167.0
County : MORRIS Total State Amount : $1,645,877

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	50
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.00018
	TOTAL POINTS	100.00018

Project Name, Number

Priority List Rank

Pequannock Township
340480-03
Collection System

167

County

Morris

Service Area

Pequannock Township - Pequannock Avenue from Newark-Pompton Turnpike to Route 23 and a portion of Madison Street

Existing Population

183

Need for Project

The project is needed to improve existing wastewater treatment practices through the elimination of on-site disposal systems which serve a residential area of 61 units and replacing them with a sanitary sewer system. The soils in this service area are classified by the Soil Conservation Service as severely limiting for on-site disposal. The average housing stock in this area is in excess of 50 years and health surveys have indicated an incidence of septic system malfunctions and shallow aquifer contamination.

Project Description

The proposed project includes the construction of approximately 320 linear feet of 8" diameter PVC sewer main and 2,825 linear feet of 10" diameter sewer main and all necessary appurtenances to serve 61 properties. Also included in the project is a culvert crossing and the crossing of the City of Newark's twin water supply aqueducts. The proposed sewer system will provide the transmission facilities to convey the wastewater to the Pequannock, Lincoln Park and Fairfield Park Sewerage Authority (TBSA) facilities for treatment.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : LINCOLN PARK BOROUGH

Project No. : 340594-02 Eligible Project Cost : $4,245,681
FY97 RANK : 168.0
County : MORRIS Total State Amount : $4,245,681

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	50
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission	.00000
Population	.00014
TOTAL POINTS	100.00014

Project Name, Number

Priority List Rank

Lincoln Park Borough
340594-02
Collection System, Int., PS, FM

168

County

Morris

Service Area

Borough of Lincoln Park (portion)

Existing Population

150

Need for Project

There are approximately 67 homes within the proposed service area (Jacksonville Road) which have experienced problems and/or failures with their individual disposal systems. This has created a public nuisance.

Project Description

This project is for the construction of a pump station, force main, interceptor and collector sewers for this service area. These facilities will convey the Borough's wastewater to an existing interceptor of the Pequannock, Fairfield and Lincoln Park Sewerage Authority (TBSA) for ultimate disposal at the existing TBSA's treatment plant. This project is presently in the facilities planning stage.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : OLD BRIDGE MUA

Project No. : 340945-01 Eligible Project Cost : $1,894,929
FY97 RANK : 169.0
County : MIDDLESEX Total State Amount : $1,894,929

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	50
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission	.00000
Population	.00012
TOTAL POINTS	100.00012

Project Name, Number

Priority List Rank

Old Bridge Municipal Utilities Authority
340945-01
Collection System

169

County

Middlesex

Service Area

Old Bridge Township; Genoa Area and Old Amboy Road

Existing Population

117

Need for Project

Genoa Area and Old Amboy road of the Old Bridge Township is presently served by on-site systems. Many of these systems are malfunctioning.

Project Description

The project consists of the construction of 2 gravity collection systems and conveyance facilities which will transport sewage for treatment and disposal at the Middlesex County UA's STP.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : FAIRFIELD TOWNSHIP

Project No. : 340957-01 Eligible Project Cost : $570,013
FY97 RANK : 170.0
County : ESSEX Total State Amount : $570,013

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	50
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission	.00000
Population	.00011
TOTAL POINTS	100.00011

Project Name, Number

Priority List Rank

Fairfield Township
340957-01
Collection System

170

County

Essex

Service Area

Township of Fairfield

Existing Population

104

Need for Project

Park Avenue and Broadway Lane of the Township's sanitary sewer systems have experienced of malfunctions and may be polluting the freshwater wetlands located within the flood plain of Passaic River.

Project Description

This project will provide 4,300 linear feet of collection system, two packaged pump stations and 1,750 linear feet of force main to eliminate 24 existing on-site systems located at the Park Avenue and the Broadway Lane areas of the Township.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : RARITAN BOROUGH

Project No. : 340781-03 Eligible Project Cost : $551,932
FY97 RANK : 171.0
County : SOMERSET Total State Amount : $551,932

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	50
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.00010
	TOTAL POINTS	100.00010

Project Name, Number

Raritan Borough
340781-03
Collection System

Priority List Rank

171

County

Somerset

Service Area

Vones Lane Section of Raritan Borough

Existing Population

100

Need for Project

The Vones Lane Section of Raritan Borough is experiencing a high degree of septic tank failures (70%) overflows due to poor soil and high groundwater. This has resulted in septage flowing onto yards and streets.

Project Description

The proposed project will eliminate the septic systems through the construction of a collection system and conveyance facilities.

NEW JERSEY STATE LIBRARY

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : WOODBRIDGE TOWNSHIP

Project No. : 340433-08 Eligible Project Cost : $36,885
FY97 RANK : 172.0
County : MIDDLESEX Total State Amount : $36,885

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	50
	SUBTOTAL	50

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission	.00000
Population	.00002
TOTAL POINTS	100.00002

Project Name, Number	Priority List Rank
Woodbridge Township 340433-08 Collection System	172

County

Middlesex

Service Area

A portion of the Township of Woodbridge

Existing Population

24

Need for Project

Septic systems on Florida Grove Road have been experiencing problems and/or failures and causing a public nuisance.

Project Description

The proposed project is for the construction of a sewer system to serve homes on Florida Grove Road.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : PATERSON CITY

Project No. : 340850-01 Eligible Project Cost : $28,256,876
FY97 RANK : 173.0
County : PASSAIC Total State Amount : $28,256,876

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission	7.50000
Population	.13945
TOTAL POINTS	57.63945

Project Name, Number

Paterson City
340850-01
Infiltration/Inflow Correction

Priority List Rank

173

County

Passaic

Service Area

City of Paterson

Existing Population

139,453

Need for Project

A sewer system evaluation survey recently performed by Elson T. Killam Associates for the Passaic Valley Sewerage Commissioners' service area found excessive infiltration/inflow (I/I) in this municipality's sewer system.

Project Description

An Infiltration/Inflow correction program, which will consist of grouting slip lining, and repairing/replacing structurally damaged pipes and manholes will be undertaken to remove the identified excessive I/I.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : ELIZABETH CITY

Project No. : 340942-01 Eligible Project Cost : $3,477,794
FY97 RANK : 174.0
County : UNION Total State Amount : $3,477,794

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	7.50000
	Population	.11000
	TOTAL POINTS	57.61000

Project Name, Number

Priority List Rank

Elizabeth City
340942-01
Infiltration/Inflow Correction

174

County

Union

Service Area

City of Elizabeth

Existing Population

110,000

Need for Project

Based on water records, it is estimated that 50% or more of the base flow may be infiltration. About 90% of 133 total miles of the City's sewer system are between 50-100 years old. Additional studies will be required to further define the quantity of excessive infiltration to be removed.

Project Description

The proposed project involves infiltration/inflow correction of the existing sewer system. The proposed project includes cleaning, video inspection of 21,760 linear feet of sewers, pressure testing of 10,880 sewer joints and chemical grouting of approximately 8,160 joints. In addition, approximately 12,300 linear feet of sewers are found to be in very poor condition, therefore they are to be repaired by lining or similar means, or replaced if beyond repair.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : NEW BRUNSWICK CITY

Project No. : 340437-03 Eligible Project Cost : $2,491,339
FY97 RANK : 175.0
County : MIDDLESEX Total State Amount : $2,491,339

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	7.50000
	Population	.04171
	TOTAL POINTS	57.54171

Project Name, Number

New Brunswick City
340437-03
Infiltration/Inflow Correction

Priority List Rank

175

County

Middlesex

Service Area

City of New Brunswick

Existing Population

41,711

Need for Project

The existing sewer system in the City of New Brunswick is suspected of containing excessive I/I, partially due to the combined nature of its sewer system.

Project Description

The proposed project consists of the construction of improvement to the City's sewer system, including grouting, slip lining and other corrective measures.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : NEW BRUNSWICK CITY

Project No. : 340437-09 Eligible Project Cost : $1,780,655
FY97 RANK : 175.0
County : MIDDLESEX Total State Amount : $1,780,655

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission	7.50000
Population	.04171
TOTAL POINTS	57.54171

Project Name, Number

New Brunswick City
340437-09
Sewer Rehabilitation

Priority List Rank

175

County

Middlesex

Service Area

Approximately 350 acres in the mainly industrial area in the northwest section of the City

Existing Population

41,711

Need for Project

The intent of this project is to reduce excessive inflow and infiltration and possible exfiltration due to deteriorated and broken sewer lines as well as to increase capacity to allow further development of the industrial area.

Project Description

The project consists of replacing existing sanitary sewer lines with new larger sized pipe as well as slip lining existing pipe and the construction a parallel pipe system to further increase capacity. Furthermore, in order to eliminate inflow, existing storm sewer connections will be removed and reconnected to a dedicated storm sewer system. Other sources of inflow/infiltration will be identified prior to construction and eliminated as well.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : DOVER TOWN

Project No. : 340889-01 Eligible Project Cost : $935,648
FY97 RANK : 177.0
County : MORRIS Total State Amount : $935,648

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	5.00000
	Population	.01441
	TOTAL POINTS	55.01441

Project Name, Number

Priority List Rank

Dover Town
340889-01
Infiltration/Inflow

177

County

Morris

Service Area

Town of Dover

Existing Population

14,405

Need for Project

The Rockaway Valley Regional Sewerage Authority Infiltration/Inflow (I/I) Analysis and Sewer System Evaluation Survey identified excessive I/I in this municipality's sewer system.

Project Description

The excessive I/I will be removed by grouting, slip lining, and other minor rehabilitation procedures.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : MILLVILLE CITY

Project No. : 340921-02 Eligible Project Cost : $8,572,980
FY97 RANK : 178.0
County : CUMBERLAND Total State Amount : $8,572,980

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission	3.00000
Population	.02599
TOTAL POINTS	53.02599

Project Name, Number | Priority List Rank

Millville City | 178
340921-02
Infiltration/Inflow Correction and Collection System

County

Cumberland

Service Area

City of Millville

Existing Population

25,992

Need for Project

A sewer system evaluation survey performed by the Millville Wastewater Utility (MWU) found that their 100 year old distribution system has various structural, maintenance, and excessive infiltration/inflow problems. Also, a recent survey by the Cumberland County Health Department found several failed septic systems in some of the MWU service areas and recommended the installation of gravity sewers to eliminate potential problem of ground water pollution and public nuisance.

Project Description

The proposed project consists of the replacement of sanitary sewers, replacement and rehabilitation of pump stations, upgrade and rerouting of sewer mains etc. Also included in the proposed project is the construction of collection systems to serve two areas of the City of Millville.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : MIDDLESEX COUNTY UA

Project No. : 340680-05 Eligible Project Cost : $1,419,732
FY97 RANK : 179.0
County : MIDDLESEX Total State Amount : $1,419,732

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	1.78184
	TOTAL POINTS	51.78184

Project Name, Number | Priority List Rank

Middlesex County Utilities Authority 179
340680-05
Septage Treatment Facilities

County

Middlesex

Service Area

Bound Brook Borough, Carteret Borough, Chatham Township (C), Clark Township (C), Cranford Township (C), Dunellen Borough, East Brunswick Township, Edison Township, Elizabeth City (C), Fanwood Borough, Franklin Township, Garwood Borough (C), Helmetta Borough, Highland Park Borough, Hillside Township (C), Irvington (C), Jamesburg Borough, Kenilworth Borough, Linden (C), Maplewood Township (C), Middlesex Borough, Millburn Township (C), Milltown Borough, Monmouth County (C), Monroe Township, Mountainside Township, New Brunswick, New Providence (C), North Plainfield, Old Bridge Township, Perth Amboy, Piscataway Township, Plainfield, Plainsboro Township, Rahway (C), Roselle (C), Roselle Park (C), Sayreville, Scotch Plains Township, South Bound Brook Borough, South Brunswick Township, South Orange Village, South Plainfield Borough, South River Borough, Spotswood Borough, Springfield Township (C), Summit (C), Watchung, Westfield (C), Winfield Township (C), West Orange (C), Woodbridge

(C) - Contracted for Septage Disposal

Existing Population

1,781,839

Need for Project

This project will provide the necessary septage receiving facilities to ensure the proper treatment and disposal of septage from MCUA's designated septage service area. The project will provide clean-up facilities for any spills during unloading and will enable all septage haulers to utilize the disposal site. Operations at the plant will be greatly improved and the waiting period which haulers are frequently subject to will be eliminated. This will reduce the illegal disposal of septage.

Project Description

The new receiving facilities will consist of a paved receiving area for septage trucks, a piping and walkway structure, a quality control and receiving station, and new septage pumps installed in the existing grit chamber control building basement. The receiving station will be designed to adequately handle up to 120,000 gallons of septage per day.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : MIDDLESEX COUNTY UA

Project No. : 340637-04 Eligible Project Cost : $20,043,531
FY97 RANK : 180.0
County : MIDDLESEX Total State Amount : $20,043,531

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.49657
	TOTAL POINTS	50.49657

Project Name, Number

Priority List Rank

Middlesex County Utilities Authority (MCUA)
340637-04
Infiltration/Inflow Correction

180

County

Middlesex

Service Area

Borough of Bound Brook, East Brunswick Sewerage Authority, Township of Edison, Franklin Township Sewerage Authority, Township of Greenbrook, Borough of Highland Park, Borough of Metuchen, Borough of Middlesex, Monroe Township, City of New Brunswick, Borough of Milltown, Township of North Brunswick, Township of Piscataway, Borough of North Plainfield, Borough of Watchung, Township of Scotch Plains, City of Plainfield, Borough of South Bound Brook, Township of South Brunswick, Borough of South Plainfield, Borough of South River, Borough of Spotswood, Borough of Dunellen, Borough of Fanwood

Existing Population

496,562

Need for Project

Design capacities of sewer systems constructed prior to the use of secondary treatment methods did not set strict limits on the volume of infiltration and inflow within sanitary sewers since treatment costs were not greatly affected by these extraneous flows. In recent times, however, construction costs of conveyance facilities coupled with rising treatment costs associated with secondary treatment methods have resulted in efforts to eliminate infiltration and inflow in areas where it is proven to be cost-effective.

Project Description

The proposed project is for an Infiltration/Inflow correction program for the MCUA existing sewer systems which currently serve 26 municipalities and 10 direct industries encompassing approximately 350 square miles of densely populated and highly industrialized areas.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : BERGEN COUNTY UA

Project No. : 340768-02 Eligible Project Cost : $15,673,755
FY97 RANK : 181.0
County : BERGEN Total State Amount : $15,673,755

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.49114
	TOTAL POINTS	50.49114

Project Name, Number

Priority List Rank

Bergen County Utilities Authority
340768-02
Infiltration/Inflow Correction

181

County

Bergen

Service Area

The BCUA currently serves 46 municipalities.

Existing Population

491,143

Need for Project

BCUA conducted an Infiltration/Inflow(I/I) analysis and concluded that excessive I/I existed in the sewer system. Additional studies are underway to further define the quantity of excessive I/I and to propose an Infiltration/Inflow correction program to eliminate a portion of the excessive I/I.

Project Description

This proposed project may include the cleaning, grouting and sealing of leaking manholes and sewer lines, and other minor rehabilitation measures.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : CAMDEN COUNTY MUA

Project No. : 340709-02 Eligible Project Cost : $15,673,755
FY97 RANK : 182.0
County : CAMDEN Total State Amount : $15,673,755

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.48867
	TOTAL POINTS	50.48867

Project Name, Number

Priority List Rank

Camden County MUA
340709-02
I/I Correction

182

County

Camden

Service Area

Entire service area of CCMUA

Existing Population

488,670

Need for Project

Several portions of the service area are suspected of containing excessive I/I.

Project Description

The proposed project consists of implementing the necessary measures to eliminate excessive I/I, including replacement, grouting and other measures.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient :-MT HOLLY SA

Project No. : 340817-02 Eligible Project Cost : $1,525,150
FY97 RANK : 183.0
County : BURLINGTON Total State Amount : $1,525,150

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.35829
	TOTAL POINTS	50.35829

Project Name, Number

Priority List Rank

Mount Holly Sewerage Authority
340817-02
Septage Treatment

183

County

Burlington

Service Area

Several Municipalities in New Jersey

Existing Population

358,288

Need for Project

The State of New Jersey has mandated that all septic tank wastes (septage) be banned from disposal in unlined landfills as of March 15, 1985. Subsequently, as there are no adequate landfills in the County, an agreement has been reached between Burlington County and the Mount Holly Sewerage Authority in which the latter would act as the lead agency to dispose of the County's septage on an interim basis. However, the Authority's facility is not designed to accept septage and the septage management plan concluded that treatment plant modifications are necessary.

Since there are no adequate means of septage disposal in the County, initial investigations indicate that septage is being dumped illegally and, in all likelihood, is resulting in localized surface and ground water degradation.

Project Description

The proposed project will treat and dispose of all the septage generated in the County on a short term basis at relatively minor costs. The county-wide sludge/septage study (C340818-01) will plan for septage disposal on a long-term basis. The latter study may conclude that the Authority should dispose of septage also for the long-term. The plans and specifications recently submitted will provide for the following:

1. Screening and Grit Removal Equipment
2. Comminutor
3. Aerated Holding Tanks
4. Chlorination Equipment
5. Pumps
6. Odor Control
7. Prefabricated Structure

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : PARSIPPANY-TROY HILLS TWP

Project No. : 340806-03 Eligible Project Cost : $354,638
FY97 RANK : 184.0
County : MORRIS Total State Amount : $354,638

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.25737
	TOTAL POINTS	50.25737

Project Name, Number

Priority List Rank

Parsippany-Troy Hills Twp.
340806-03
Septage Treatment/Disposal

184

County

Morris

Service Area

Boonton Town, Boonton Township, Denville Township, Dover Town, East Hanover Township, Hanover Township, Mine Hill Township, Montville Township, Mountain Lakes Borough, Mount Arlington Borough, Mount Olive Township, Netcong Borough, Parsippany-Troy Hills Township, Randolph Township, Rockaway Borough, Rockaway Township, Roxbury Township, Victory Gardens Borough, Washington Township, Wharton Borough, Florham Park Borough

Existing Population

257,371

Need for Project

Disposal of septage in unlined landfills was prohibited effective March 15, 1985 to prevent the danger of groundwater contamination. An alternative disposal method is to use existing treatment facilities. Therefore, the municipalities indicated above have been assigned to the Parsippany-Troy Hills treatment plant as designated in Appendix A of the Statewide Septage Management Plan. The project is necessary to insure that septage disposal for existing and future development is in conformance with said plan.

The Township of Parsippany-Troy Hills is in the last stages of completing the construction of a 16 mgd advanced wastewater treatment facility. The present septage handling facilities were adequate to handle the flows from just the immediate service area but they are not adequate to handle the quantity and quality of wastes directed to this facility by the Department.

It is the intent of this project to develop and implement a comprehensive plan to evaluate the capability of the treatment facility to accept additional septage wastes and to recommend necessary modifications be constructed.

Project Description

Parsippany-Troy Hills Wastewater Treatment Plant will have responsibility of treating an estimated 54,000 GPD of septage. In order to handle these wastes, Parsippany-Troy Hills has completed an NJDEP approved septage management plan which recommends construction of facilities that include the truck receiving area, gravel trap, coarse bar screens, holding tank, and associated appurtenances.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : RAHWAY VALLEY SA

Project No. : 340547-03 Eligible Project Cost : $5,938,953
FY97 RANK : 185.0
County : UNION Total State Amount : $5,938,953

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.17373
	TOTAL POINTS	50.17373

Project Name, Number

Priority List Rank

Rahway Valley Sewerage Authority
340547-03
Infiltration/Inflow Correction

185

County

Union

Service Area

Springfield, Mountainside, Westfield, Kenilworth, Winfield, Garwood, Cranford, Roselle Park (part), Scotch Plains, Clark, Woodbridge (part) and Rahway

Existing Population

173,729

Need for Project

To eliminate excessive infiltration and inflow and to extend the useful life of the sewer.

Project Description

RVSA operates a 35 mgd secondary sewage treatment facility with a sewer configuration 300 miles in length. The I/I report indicates that the RVSA's sewer system is susceptible to an excessive I/I of 3 mgd which may be cost-effectively removed. This will be verified in the upcoming SSES phase. An Infiltration/Inflow correction program will follow thereafter.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : GLOUCESTER COUNTY UA

Project No. : 340902-01 Eligible Project Cost : $4,945,666
FY97 RANK : 186.0
County : GLOUCESTER Total State Amount : $4,945,666

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.15977
	TOTAL POINTS	50.15977

Project Name, Number

Priority List Rank

Gloucester County UA
340902-01
Sludge Management Consolidated Region

186

County

Gloucester

Service Area

Clayton Borough, Deptford Twp., Glassboro Borough, Mantua Twp., Monroe Twp., National Park Borough, Paulsboro Borough, Washington Twp., Wenonah Borough, W. Deptford Twp., Westville Borough, Woodbury City, and Woodbury Hts Borough

Existing Population

159,777

Need for Project

The Gloucester County Utilities Authority (GCUA) is presently disposing of sludge by incineration. The design capacity of the GCUA incinerator is inadequate to handle the 15 tons of sludge (dry weight basis) produced at the GCUA Regional Plant. As a result, the Authority proposes to add another fluidized bed to the existing incinerator in order to increase its design capacity.

The approved (201) Facilities Plan for the GCUA consolidated region calls for static pile composing as a long term sludge management alternative. Therefore, the Authority may be required to amend the facilities plan, should they intend to employ incineration as the most cost effective, environmentally sound and implementable long term sludge management alternative.

Project Description

The project will consist of the addition of a fluidized bed to the existing incinerator of the GCUA Regional Plant for disposal of all the sludges produced in the GCUA-consolidated region.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : SOMERSET-RARITAN VALLEY SA

Project No. : 340801-03 Eligible Project Cost : $1,465,130
FY97 RANK : 187.0
County : SOMERSET Total State Amount : $1,465,130

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.13836
	TOTAL POINTS	50.13836

Project Name, Number | Priority List Rank

Somerset-Raritan Valley Sewerage Authority 187
340801-03
Septage Treatment and Disposal

County

Somerset

Service Area

Bedminster Township, Bernards Township, Bernardsville Borough, Branchburg Township, Bridgewater Township, Far Hills Borough, Hillsborough Township, Manville Borough, Millstone Borough, Montgomery Township, Peapack Gladstone Borough, Raritan Borough, Rocky Hill Borough, Somerville Borough, Warren Township

Existing Population

138,363

Need for Project

Disposing of septage in unlined landfills was banned on March 15, 1985 pursuant to amendments of the Solid Waste Management Act to prevent the danger of groundwater contamination. An alternative disposal method is the utilization of existing treatment facilities. Therefore, the municipalities indicated above have been assigned to the Somerset-Raritan Valley SA treatment plant as designated in Appendix A of the Statewide Septage Management Plan. The present facilities at SRVSA for handling septage wastes are inadequate to handle the quantity and quality of wastes proposed to be accepted. This project is necessary to ensure that septage disposal for existing and future development is in conformance with said plan.

Project Description

This project is for the construction of septage facilities at the SRVSA plant so that it may dispose of the septage generated in Somerset County. The septage management plan recommends that the design capacity of the septage receiving station at the SRVSA plant be 28,000 gallons per day. In addition, the plan is addressing management and implementation considerations. The septage plan will provide SRVSA with a septage treatment and disposal method that will enable the Authority to accept all the wastes from its designated areas while also meeting its discharge requirements.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : NUTLEY TOWNSHIP

Project No. : 340834-01 Eligible Project Cost : $2,114,932
FY97 RANK : 188.0
County : ESSEX Total State Amount : $2,114,932

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.10568
	TOTAL POINTS	50.10568

Project Name, Number

Priority List Rank

Nutley Township
340834-01
Infiltration/Inflow Correction - Overflow

188

County

Essex

Service Area

Nutley Township (partial), City of Clifton (partial)

Existing Population

105,679

Need for Project

The deteriorated condition of the Quarry Trunk sewer has resulted in heavy infiltration into the sewer with periodic backups occurring in area homes and streets.

Project Description

A relief sewer will be constructed in the area of the Quarry Trunk sewer at a cost of $1.4 million. This relief sewer will carry excess flows during wet weather and will prevent sewage overflows.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient :-ROCKAWAY VALLEY REG SA

Project No. : 340756-02 Eligible Project Cost : $5,938,953
FY97 RANK : 189.0
County : MORRIS Total State Amount : $5,938,953

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.09218
	TOTAL POINTS	50.09218

Project Name, Number

Priority List Rank

Rockaway Valley Regional Sewerage Authority
340756-02
Infiltration/Inflow Correction

189

County

Morris

Service Area

Boonton Town, Boonton Township, Dover Town, Randolph Township, Denville Township, Rockaway Township, Rockaway Borough, Victory Gardens Borough, Wharton Borough

Existing Population

92,181

Need for Project

Recently, minor sewer rehabilitation work (internal grouting) has been completed for the Rockaway Valley Service Area. Additional studies are underway to further define the excessive I/I and to propose a correction program.

Project Description

This proposed project will consist of an Infiltration/Inflow correction program to further remove a portion of the excessive I/I.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient :-NORTHWEST BERGEN CO UA

Project No. : 340700-06 Eligible Project Cost : $7,944,881
FY97 RANK : 190.0
County : BERGEN Total State Amount : $7,944,881

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.09171
	TOTAL POINTS	50.09171

Project Name, Number | Priority List Rank

Northwest Bergen County Utilities Authority 190
340700-06
Infiltration/Inflow Correction

County

Bergen

Service Area

This project will serve the residents of the Boroughs of Franklin Lakes, Ramsey, Upper Saddle River, Saddle River, Allendale, Waldwick, Midland Park, and Hohokus, and the Townships of Mahwah and Wyckoff.

Existing Population

91,706

Need for Project

An Infiltration/Inflow (I/I) analysis has concluded that excessive I/I exists within the Authority's sewer system. Additional studies will be required to further define the quantity of excessive I/I and to propose an Infiltration/Inflow correction program to eliminate a portion of the excessive I/I.

Project Description

This proposed project will consist of an Infiltration/Inflow correction program to remove a portion of the excessive I/I. This project is presently in the planning stage.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient :-CAMDEN CITY

Project No. : 340641-01 Eligible Project Cost : $165,652
FY97 RANK : 191.0
County : CAMDEN Total State Amount : $165,652

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.08749
	TOTAL POINTS	50.08749

Project Name, Number

Camden City
340641-01
Sewer Rehabilitation

Priority List Rank

191

County

Camden

Service Area

City of Camden

Existing Population

87,490

Need for Project

The City of Camden's brick sewers date back to the early 1800's. They are in dire need of repair and have collapsed in many locations thereby causing the streets to cave in.

Project Description

The City proposes to reconstruct 2.3 miles of deteriorated brick sewers and provide new conveyance facilities.

NEW JERSEY STATE LIBRARY

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : CAMDEN CITY

Project No. : 340366-01 Eligible Project Cost : $1,352,507
FY97 RANK : 192.0
County : CAMDEN Total State Amount : $1,352,507

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.08700
	TOTAL POINTS	50.08700

Project Name, Number

Camden City
340366-01
Sewer Rehabilitation

Priority List Rank

192

County

Camden

Service Area

City of Camden

Existing Population

87,000

Need for Project

The City of Camden's brick sewers date back to the early 1800's. They are in dire need of repair and maintenance work. The sewers have collapsed in many locations thereby causing the streets to cave in.

Project Description

The proposed project consists of the purchase of four truck mounted combined jetting and vacuuming machines to flush sand, solid-debris, grease and other materials from sewers and mains. Also the replacement of the third pump at 3 pump stations (Arch street, Ferry Avenue, Federal Street) and two existing pumps at Baird Boulevard.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : EAST ORANGE CITY

Project No. : 340843-01 Eligible Project Cost : $2,589,097
FY97 RANK : 193.0
County : ESSEX Total State Amount : $2,589,097

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission	.00000
Population	.07758
TOTAL POINTS	50.07758

Project Name, Number

East Orange City
340843-01
Infiltration/Inflow Correction-Overflow

Priority List Rank

193

County

Essex

Service Area

City of East Orange

Existing Population

77,583

Need for Project

A sewer system evaluation survey recently performed by Elson T. Killam Associates for the Passaic Valley Sewerage Commissioners' service area found excessive infiltration/inflow (I/I) in this municipality's sewer system. Raw sewage overflows were reported to have occurred on area streets.

Project Description

An I/I correction program, which will consist of grouting, slip lining, and repairing/replacing structurally damaged pipes and manholes, will be undertaken to remove the identified excessive I/I.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : CLIFTON CITY

Project No. : 340844-01 Eligible Project Cost : $14,766,522
FY97 RANK : 194.0
County : PASSAIC Total State Amount : $14,766,522

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.07652
	TOTAL POINTS	50.07652

Project Name, Number

Priority List Rank

Clifton City
340844-01
Infiltration/Inflow Correction - Overflow

194

County

Passaic

Service Area

City of Clifton

Existing Population

76,519

Need for Project

A sewer system evaluation survey recently performed by Elson T. Killam Associates for the Passaic Valley Sewerage Commissioners' service area found excessive infiltration/inflow (I/I) in this municipality's sewer system. Raw sewage overflows were reported to have occurred on area streets.

Project Description

An I/I correction program, which will consist of grouting slip lining, and repairing/replacing structurally damaged pipes and manholes, will be undertaken to remove the identified excessive I/I.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : PLAINFIELD, N. PLAINFIELD, DUNELLEN JM

Project No. : 340949-02 Eligible Project Cost : $5,962,475
FY97 RANK : 195.0
County : MIDDLESEX Total State Amount : $5,962,475

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.07192
	TOTAL POINTS	50.07192

Project Name, Number

Priority List Rank

Joint Meeting of Plainfield, North Plainfield and Dunellen
340949-02
Sewer System Rehabilitation

195

County

Middlesex, Somerset, Union

Service Area

City of Plainfield, Borough of North Plainfield and Borough of Dunellen

Existing Population

71,915

Need for Project

Rehabilitation of aged sewage collection systems and interceptors.

Project Description

Rehabilitation of approximately 120,000 linear feet of gravity sewer ranging in size from 8-inch to 27-inch diameter. Rehabilitation processes may include pipe lining, joint repairs, point repairs of cracked or broken pipe and potentially some line replacement. The project also includes rehabilitating 200 manholes throughout the project area including internal structural repairs to manhole section joints or spalling concrete; repointing and plastering brick walls; repairs to channels, benches and drop-pipes; resetting or replacing castings, vents and steps and possibly some manhole replacements.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : WOODBRIDGE TOWNSHIP

Project No. : 340433-04 Eligible Project Cost : $1,132,363
FY97 RANK : 196.0
County : MIDDLESEX Total State Amount : $1,132,363

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.06983
	TOTAL POINTS	50.06983

Project Name, Number

Priority List Rank

Woodbridge Township
340433-04
Infiltration/Inflow Correction

196

County

Middlesex

Service Area

Woodbridge Township, Sewaren and Keasby sections

Existing Population

69,830

Need for Project

The sewer systems in the Sewaren and Keasby sections, constructed prior to the use of secondary treatment methods, did not set strict limits on the volume of infiltration and inflow within sanitary sewers since treatment costs were not greatly affected by these extraneous flows. In recent years, however, the construction costs of conveyance facilities, coupled with rising treatment costs associated with secondary treatment methods, have resulted in efforts to eliminate infiltration and inflow in areas where it is proven to be cost-effective.

Project Description

The proposed project is an Infiltration/Inflow Correction program for Woodbridge's existing sewer system within the Sewaren and Keasby sections. The Sewaren sewer system serves Avenel, Port Reading, Sewaren, and Woodbridge proper. Its drainage area encompasses 6,090 acres and contains 89.9 miles of sanitary sewer. The Woodbridge Interceptor (approximately parallel to the Woodbridge River) serves a majority of the system. The Keasby sewerage system serves Fords, Hopelawn, and Keasby. Its drainage area encompasses 2,389 acres and contains 30.2 miles of sanitary sewer.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : PLAINFIELD, N. PLAINFIELD, DUNELLEN JM

Project No. : 340949-01 Eligible Project Cost : $1,428,585
FY97 RANK : 197.0
County : MIDDLESEX Total State Amount : $1,428,585

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.06000
	TOTAL POINTS	50.06000

Project Name, Number

Priority List Rank

Joint Meeting of Plainfield, North Plainfield and Dunellen
340949-01
Interceptor

197

County

Middlesex, Somerset, Union

Service Area

City of Plainfield, Township of Scotch Plains, Borough of South Plainfield, Borough of Watchung and Borough of Fanwood

Existing Population

60,000

Need for Project

The interceptor segment has experienced occasional surcharging and overflows which have caused a sewer connection ban to be imposed upon the service area. The project will alleviate the surcharging interceptor.

Project Description

The existing 42 inch diameter interceptor segment (approximately 2,600 linear feet) will be paralled by a new 42 inch diameter segment. Both pipelines will remain in operation to provide the required capacity.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : SALEM COUNTY BD OF CHOSEN FREEHOLDERS

Project No. : 340804-03 Eligible Project Cost : $6,816,427
FY97 RANK : 198.0
County : SALEM Total State Amount : $6,816,427

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.05688
	TOTAL POINTS	50.05688

Project Name, Number | Priority List Rank

Salem County Board of Chosen Freeholders | 198
340804-03
Septage Treatment and Disposal
Small Alternative Wastewater System

County

Salem

Service Area

Allowlay Township, Carney's Point Township, Elmer Borough, Elsinboro Township, Lower Alloways Creek Township, Mannington Township, Oldmans Township, Pennsville Township, Pilesgrove Township, Pittsgrove Township, Quinton Township, Salem City, Upper Pittsgrove Township

Existing Population

56,884

Need for Project

Approximately 30 percent of County residents employ on-lot individual septic systems to treat their wastewater. Currently, numerous problems exist with these systems as a result of their installation in inappropriate soils and due to inadequate design. This situation leads to nuisance conditions, possibility of public health problems, and localized groundwater quality degradation.

The problems in Salem County are further aggravated by the lack of adequate facilities to accept and properly dispose of septage pumpouts. The State of New Jersey mandated that septage be banned from all but lined landfills with leachate control effective March 15, 1985. There are no such facilities in the planning area. It is presumed that a good deal of illegal septage dumping is occurring in the County and that surface and groundwater quality degradation may result.

Project Description

The planning for this project is to provide two basic responses to the problem outlined above. The first response is to plan for the adequate treatment and disposal for all the septage generated within the County. The second is to develop an overall management system of the County where on-lot systems currently exist. These solutions would involve the application and innovation of advanced technologies to resolve these problems. The facilities plan will consist of the following components:

1. County-wide Septage Disposal Plan
2. On-lot Septic Tank Management Plan
3. Environmental Analysis
4. Full-scale Public Participation Program.

Implementation of the selected plan will resolve the problem indicated above in a cost-effective, environmentally sound manner.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : PASSAIC CITY

Project No. : 340845-01 Eligible Project Cost : $5,331,697
FY97 RANK : 199.0
County : PASSAIC Total State Amount : $5,331,697

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.05396
	TOTAL POINTS	50.05396

Project Name, Number

Priority List Rank

Passaic City
340845-01
Infiltration/Inflow Correction-Overflow

199

County

Passaic

Service Area

City of Passaic

Existing Population

53,957

Need for Project

A sewer system evaluation survey recently performed by Elson T. Killam Associates for the Passaic Valley Sewerage Commissioners' service area found excessive Infiltration/Inflow (I/I) in this municipality's sewer system. Raw sewage overflows were reported to have occurred on area streets.

Project Description

An Infiltration/Inflow (I/I) correction program, which will consist of grouting, slip lining, and repairing/replacing structurally damaged pipes and manholes, will be undertaken to remove the identified excessive I/I.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : GLOUCESTER TOWNSHIP MUA

Project No. : 340364-01 Eligible Project Cost : $1,540,660
FY97 RANK : 200.0
County : CAMDEN Total State Amount : $1,540,660

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.05380
	TOTAL POINTS	50.05380

Project Name, Number

Priority List Rank

Gloucester Township MUA
340364-01
Sewer Rehabilitation

200

County

Camden

Service Area

The area north of the N.J. State Highway Route 42 in Gloucester Township

Existing Population

53,797

Need for Project

The existing pump station and force main are operating near its capacity and require frequent maintenance. The pump station's present locations does not allow for expansion due to environmental constraints and limitations of existing property. The project will allow for future development within the service area and provide emergency backup power. Other improvements to the existing service will also be provided.

Project Description

The project consists of construction of a pump station and associated force main. The proposed pump station will include three (3) submersible pumps within a concrete wetwell. An emergency generator will provide backup power to run the station during periods of electoral outages. A bar screen, odor control and possibly chemical injection to reduce Hydrogen Sulfide generation will be included in the improvements. A building with associated heating, ventilation and electrical work will house the bar screen, generator and controls. All necessary site work and access will also be included. Once the proposed pump station is completed, the existing pump station will have to be dismantled and abandoned. Since the existing pump station site does not have sufficient space, the authority will need to acquire the property located across the N.J. State Highway 168 (Black Horse Pike).

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : NORTHWEST BERGEN CO UA

Project No. : 340700-05 Eligible Project Cost : $2,294,562
FY97 RANK : 201.0
County : BERGEN Total State Amount : $2,294,562

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.05055
	TOTAL POINTS	50.05055

Project Name, Number

Priority List Rank

Northwest Bergen County Utilities Authority
340700-05
Septage Disposal Facility

201

County

Bergen

Service Area

Allendale Borough, Franklin Lakes Borough, HoHoKus Borough, Mahwah Township, Midland Park Borough, Ramsey Borough, Saddle River Borough, Upper Saddle River Borough, Waldwick Borough, Wyckoff Township

Existing Population

50,548 (unsewered)

Need for Project

Although the unsewered areas are included in the Planning Area for Northwest Bergen County Utilities Authority, there is presently no formal provision to treat septage from these areas. Septage from NWBCUA is presently being taken by informal agreement to Bergen County Utilities Authority treatment plant. The distance to this facility creates a climate for illegal dumping. The lack of a long term formal arrangement with Bergen County is unacceptable, and the lack of quality assurance is unacceptable.

Project Description

This project will provide for the construction of septage handling facilities to receive all septage generated within the planning area for treatment at the Northwest Bergen treatment plant. The septage facilities will provide for quality assurance to prevent treatment plant upset, and will provide odor control. The construction of septage facilities in conjunction with the initiation of a voucher system for tracking septage from "cradle to grave" will assure control, collection, disposal, and treatment of septage wastes from approximately 50,000 people in the planning area, thereby eliminating present unacceptable trucking and disposal of septage.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : WAYNE TOWNSHIP

Project No. : 340393-07 Eligible Project Cost : $2,049,114
FY97 RANK : 202.0
County : PASSAIC Total State Amount : $2,049,114

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.04955
	TOTAL POINTS	50.04955

Project Name, Number

Priority List Rank

Wayne Township
340393-07
Infiltration/Inflow Correction

202

County

Passaic

Service Area

Township of Wayne

Existing Population

49,549

Need for Project

This project is for the minor rehabilitation of the Township's existing sewer system. A sewer system evaluation survey concluded that approximately 1.5 million gallons per day (MGD) of excessive Infiltration/Inflow could be removed from the system cost-effectively. This project would ensure the removal of the 1.5 MGD by the accomplishment of this rehabilitation work.

Project Description

The proposed Phase I project (C340393-06) is to rehabilitate portions of the existing sewer system in the area of Pines Lake and Packanack Lake. The work for Phase I includes inversion lining of 3,160 linear feet (LF) of sewer pipe, replacement of approximately 5,130 LF of sewer pipe, grouting and air testing, and rehabilitation of 11 manholes. Phase II investigations (C340393-07) will be required to eliminate all excessive infiltration/inflow for other portions of the existing sewer system.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient :-NEPTUNE TWP SA

Project No. : 340410-04 Eligible Project Cost : $4,481,756
FY97 RANK : 203.0
County : MONMOUTH Total State Amount : $4,481,756

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.04391
	TOTAL POINTS	50.04391

2Project Name, Number | Priority List Rank

Neptune Township Sewerage Authority 340410-04
Infiltration/Inflow Correction | 203

County

Monmouth

Service Area

Neptune Township, Avon-By-The-Sea Borough, Bradley Beach Borough, Ocean Grove Camp Meeting Association

Existing Population

43,907

Need for Project

The infiltration/inflow analysis has found that the system is subject to excessive infiltration/inflow (I/I).

Project Description

The project will consist of an I/I correction program that is found to be cost-effective during the Sewer System Evaluation Survey. Common methods of rehabilitation are 1) grouting of joints and cracked pipes; 2) slip-lining of select reaches of sewer; and 3) total replacement of select reaches of sewer. The proposed I/I correction project will not have an appreciable effect on the treatment plant's ability to meet the established effluent limitations.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient :-WEST ORANGE TOWNSHIP

Project No. : 340865-01 Eligible Project Cost : $12,117,146
FY97 RANK : 204.0
County : ESSEX Total State Amount : $12,117,146

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.03911
	TOTAL POINTS	50.03911

Project Name, Number

West Orange Township
340865-01
Interceptors and Appurtenances

Priority List Rank

204

County

Essex

Service Area

West Orange Township

Existing Population

39,107

Need for Project

The existing sewerage system in West Orange has inadequate capacity to allow for future growth potential. New interceptors and appurtenances are required to provide the needed reserve capacity for both planned and proposed sewer connections. The Township of West Orange is included within the sewer service area of the Essex/Union Joint Meeting. Since this project will have no direct impact upon existing water quality, only discharge category points for new systems can be justified.

Project Description

Proposed is the construction of new interceptors consisting of both gravity sewers and pump station/force main and appurtenances to provide additional capacity for the First and Second Mountain areas of West Orange and Livingston. An old interceptor line (PS/FM and Gravity) is also proposed for replacement as part of a major sewer system rehabilitation effort.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient :-MANASQUAN RIVER REG SA

Project No. : 340832-02 Eligible Project Cost : $4,610,126
FY97 RANK : 205.0
County : MONMOUTH Total State Amount : $4,610,126

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.03900
	TOTAL POINTS	50.03900

Project Name, Number

Priority List Rank

Manasquan River Regional Sewerage Authority
340832-02

205

County

Monmouth

Service Area

Howell Township, Farmingdale, Freehold Borough, Freehold Township and Wall Township

Existing Population

38,995

Need for Project

The project will eliminate point sources of pollution in the below mentioned areas (Project Description). Along the southern Route 9 corridor, the need for onsite septage systems will be eliminated. Project is needed to serve Wall Township growth and eliminate onsite disposal systems adjacent to Route 34.

Project Description

The project involves construction of an extension of interceptor sewers in the Lone Pine Landfill (Freehold Township), Brisbane Hospital (Wall Township) and Southern Route 9 Corridor (Howell Township).

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : MONTCLAIR TOWN

Project No. : 340837-01 Eligible Project Cost : $2,088,076
FY97 RANK : 206.0
County : ESSEX Total State Amount : $2,088,076

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.03870
	TOTAL POINTS	50.03870

Project Name, Number

Priority List Rank

Montclair Town
340837-01
Infiltration/Inflow Correction

206

County

Essex

Service Area

Town of Montclair

Existing Population

38,705

Need for Project

A sewer system evaluation survey (SSES) recently completed by the Passaic Valley Sewerage Commissioners attributed approximately 1.5 million gallons per day of infiltration to deficiencies in the Montclair sewer system.

Project Description

An I/I correction program involving grouting, excavation, replacement and slip lining is expected to remove nearly 26 percent of the daily infiltration. The repair of public inflow sources is also planned.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : -BERKELEY TOWNSHIP

Project No. : 340969-01 Eligible Project Cost : $2,718,518
FY97 RANK : 207.0
County : OCEAN Total State Amount : $2,718,518

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.03732
	TOTAL POINTS	50.03732

Project Name, Number

Priority List Rank

Berkeley Township
340969-01
Interconnection/Cross-Connection Abatement

207

County

Ocean

Service Area

Berkeley Township

Existing Population

37,319

Need for Project

To reduce elevated levels of bacteria in stormwater discharges to coastal waters.

Project Description

To eliminate cross-connections between sanitary and storm sewers by replacing portions of sewers, sealing manholes, and sealing leaks. To eliminate interconnections due to leaks, flows, or overflows from the sanitary sewer system.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : -CHERRY HILL TOWNSHIP

Project No. : 340954-01 Eligible Project Cost : $1,276,427
FY97 RANK : 208.0
County : CAMDEN Total State Amount : $1,276,427

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.03647
	TOTAL POINTS	50.03647

Project Name, Number

Priority List Rank

Cherry Hill Township
340954-01
Collection System, Rehabilitation

208

County

Camden

Service Area

Cherry Hill Township

Existing Population

36,473

Need for Project

To remove aging septic systems and replace them with sanitary sewer extensions and to rehabilitate aging pump stations.

Project Description

The Township of Cherry Hill plans to extend their sanitary sewers to reach several remaining unsewered sections of the Township. The various extensions are spread throughout the Township. The project will consist of gravity sewer mains, several force mains, house connections, all restorations and appurtenances. Also, the Peppermill Pump Station and Batesville Pump Station will be rehabilitated. The project may include the elimination of the School Lane Pump Station and connection by gravity sewer to an existing Camden County MUA interceptor. The Peppermill Pump Station has an existing peak flow rate of 0.13 mgd, and the Batesville Pump Station has an existing flow rate of 0.52 mgd. Each pump station will have their wetwells and pumps replaced along with related electrical services.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : FORT LEE BOROUGH

Project No. : 340853-01 Eligible Project Cost : $682,636
FY97 RANK : 209.0
County : BERGEN Total State Amount : $682,636

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission	.00000
Population	.03262
TOTAL POINTS	50.03262

Project Name, Number

Priority List Rank

Fort Lee Borough
340853-01
Infiltration/Inflow Correction

209

County

Bergen

Service Area

Borough of Fort Lee

Existing Population

32,616

Need for Project

The Bergen County Utilities Authority Infiltration/Inflow (I/I) Analysis and Sewer System Evaluation survey identified excessive I/I in this municipality's sewer system.

Project Description

The excessive I/I will be removed by grouting, slip lining, and other minor rehabilitation methods.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : ORANGE CITY

Project No. : 340859-01 Eligible Project Cost : $964,562
FY97 RANK : 210.0
County : ESSEX Total State Amount : $964,562

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission .00000

Population .03173

TOTAL POINTS 50.03173

Project Name, Number

Priority List Rank

Orange City
340859-01
Infiltration/Inflow Correction-Overflow

210

County

Essex

Service Area

City of Orange

Existing Population

31,728

Need for Project

A sewer system evaluation survey recently performed by Killam Associates for the City of Orange recommended that the combined sanitary/storm sewer systems should be eliminated by internally sealing the overflow weirs in the combination sanitary/storm sewer manholes. In conjunction with sealing the overflows, a program of sewer pipe rehabilitation should be undertaken to reduce infiltration and sewer surcharging conditions.

Project Description

A phased program of sewer system rehabilitation to eliminate sanitary sewer overflows to the Wigwam Brook is being undertaken by the City. The first phase of this program will include sealing the overflow weirs in 21 combination sanitary/storm sewer manholes, replacement of approximately 250 linear feet of 15" and 18" sewer pipe, and sealing underdrain access openings in 20 manholes. The second phase includes replacing approximately 245 linear feet of sewer pipe and slip lining approximately 830 linear feet of pipe. The third phase includes eliminating a bend in the interceptor sewer by constructing a new manhole.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient :-PEMBERTON TOWNSHIP MUA

Project No. : 340649-02 Eligible Project Cost : $13,800,360
FY97 RANK : 211.0
County : BURLINGTON Total State Amount : $13,800,360

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.03134
	TOTAL POINTS	50.03134

Project Name, Number

Priority List Rank

Pemberton Township MUA
340649-02
STP Improvements, Collection System

211

County

Burlington

Service Area

Portions of Pemberton Township including areas designated as regional growth within the Pinelands

Existing Population

31,342

Need for Project

The implementation of the upgrading of the Pemberton Township Municipal Utilities Authority Wastewater Treatment System will serve to enhance the groundwater quality in those area which are presently serviced by on-site septic systems. The properly planned expansion of the system will protect the environment from improper discharges to the groundwater and surface water. The upgrading of the existing facilities at the Authority's STP will be necessary to maintain the high level of treatment required for discharge into the North Branch of the Rancocas Creek in accordance with NJPDES permit No. NJ0024821. The existing plant is over twenty (20) years old is in need of rehabilitation and replacement of equipment. In the event that the collection system is enlarged the treatment plant capacity will have to expand to meet the demand.

Project Description

The proposed project includes the construction of a regional collection system and repair/replacement of various treatment units to improve treatment capabilities at the Pemberton Township MUA's STP.

NEW JERSEY STATE LIBRARY

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : LONG BRANCH SA

Project No. : 340336-05 Eligible Project Cost : $1,396,910
FY97 RANK : 212.0
County : MONMOUTH Total State Amount : $1,396,910

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.02866
	TOTAL POINTS	50.02866

Project Name, Number | Priority List Rank

Long Branch Sewerage Authority | 212
340336-05
Interconnection/Cross-Connection Abatement

County

Monmouth

Service Area

City of Long Branch

Existing Population

28,660

Need for Project

To reduce elevated levels of bacteria in stormwater discharges to coastal waters.

Project Description

To eliminate cross-connections between sanitary and storm sewers by replacing portions of sewers, sealing manholes, and sealing leaks. To eliminate interconnections due to leaks, flows, or overflows from the sanitary sewer system.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient :-WINSLOW TWP

Project No. : 340895-01 Eligible Project Cost : $2,013,019
FY97 RANK : 213.0
County : CAMDEN Total State Amount : $2,013,019

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission .00000

Population .02527

TOTAL POINTS 50.02527

Project Name, Number

Winslow Township
340895-01
Infiltration/Inflow Correction

Priority List Rank

213

County

Camden

Service Area

Winslow Township

Existing Population

25,277

Need for Project

The existing collection system in the Township of Winslow is possibly subject to excessive Infiltration/Inflow (I/I).

Project Description

The project consists of the rehabilitation of the sewer system.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : -BERGEN COUNTY UA (TRIBORO)

Project No. : 340769-02 Eligible Project Cost : $1,584,586
FY97 RANK : 214.0
County : BERGEN Total State Amount : $1,584,586

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.02509
	TOTAL POINTS	50.02509

Project Name, Number

Priority List Rank

BCUA (Triboro)
(Rutherford/E, Rutherford/Carlstadt)
340769-02
Infiltration/Inflow Correction-Overflow

214

County

Bergen

Service Area

Borough of Carlstadt and portions of Rutherford and East Rutherford

Existing Population

25,092

Need for Project

The Bergen County Utilities Authority conducted an Infiltration/Inflow (I/I) analysis and sewer system evaluation survey which concluded that excessive I/I existed in the sewer system. The correction of this I/I will be cost-effective and result in the improved operation of a 13.8 MGD pump station used for the conveyance of sewage from the Joint Meeting STP to the Bergen County Utilities Authority system. Water Quality violations are currently experienced for dissolved oxygen, fecal coliform, and toxics standards due to the raw discharges of the existing Triboro Joint Meeting Treatment plant into the Hacken-sack River (SE-2).

Project Description

The project will consist of rehabilitation work to remove a portion of the excessive I/I. The rehabilitation project may include repair and/or grouting of sewers and joints, sealing manholes, repair/replacement of defective manhole covers and other standard rehabilitation measures. This project will also eliminate sewerage system overflows.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : RIDGEWOOD VILLAGE

Project No. : 340639-07 Eligible Project Cost : $6,046,088
FY97 RANK : 215.0
County : BERGEN Total State Amount : $6,046,088

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission	.00000
Population	.02486
TOTAL POINTS	50.02486

Project Name, Number

Priority List Rank

Ridgewood Village
340639-07
Infiltration/Inflow Correction

215

County

Bergen

Service Area

Village of Ridgewood

Existing Population

24,860

Need for Project

An Infiltration/Inflow (I/I) analysis has concluded that excessive I/I exists within the village's sewer system. Additional studies are underway to further define the quantity of excessive I/I and to propose an I/I correction program to eliminate a portion of the excessive I/I.

Project Description

This proposed project will be for the replacement of sections of sanitary sewer pipe, grouting of sewer lines, grouting and sealing leaking manholes, and repair or adjustments of defective manholes.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : BERGENFIELD BOROUGH

Project No. : 340378-01 Eligible Project Cost : $661,482
FY97 RANK : 216.0
County : BERGEN Total State Amount : $661,482

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission	.00000
Population	.02446
TOTAL POINTS	50.02446

Project Name, Number | Priority List Rank

Bergenfield Borough | 216
340378-01
Sewer Rehabilitation, Stormwater Management

County

Bergen

Service Area

Various areas throughout the Borough of Bergenfield

Existing Population

24,458

Need for Project

The Borough must reduce the amount of infiltration that exists in the sanitary sewer system. The BCUA has also notified Bergenfield that the same must be addressed in the near future.

The existing sanitary system was constructed of vitrified clay pipe about 75 years ago. The sewer pipes have deteriorated and are experiencing structural failures due to tree root intrusion, aging and other factors. Several of the collector lines are inadequate and cause flooding of homes during high water table periods.

Those lines that are inadequate and/or structurally unsound must be removed and replaced. The storm drainage system is of the same vintage and, for the most part, is inadequate due to pipe failure or being undersized.

Project Description

The proposed project includes the replacement of sanitary and storm sewers in various sections of the Borough where the existing lines are inadequate or structurally unsound.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : -CRANFORD TOWNSHIP

Project No. : 340858-01 Eligible Project Cost : $629,918
FY97 RANK : 217.0
County : UNION Total State Amount : $629,918

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.02408
	TOTAL POINTS	50.02408

Project Name, Number

Cranford Township
340858-01
Infiltration/Inflow Correction

Priority List Rank

217

County

Union

Service Area

Township of Cranford

Existing Population

24,079

Need for Project

To eliminate excessive infiltration in approximately 4,950' of 8" gravity sanitary sewer serving the Township. The Township's system is serviced by the Rahway Valley Regional Sewerage Authority.

Project Description

The project will consist of I/I correction for 4,950' of gravity sanitary sewer (cleaning, lining joint repair).

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : MADISON-CHATHAM JOINT MEETING

Project No. : 340715-03 Eligible Project Cost : $782,388
FY97 RANK : 218.0
County : MORRIS Total State Amount : $782,388

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission	.00000
Population	.02377
TOTAL POINTS	50.02377

Project Name, Number

Priority List Rank

Madison-Chatham Joint Meeting
340715-03
Infiltration/Inflow Correction

218

County

Morris

Service Area

Borough of Chatham, Borough of Madison

Existing Population

23,766

Need for Project

An Infiltration/Inflow (I/I) analysis has been completed which documents the existence of excessive I/I within the service area. Additional studies are under way to further define the quantity of excessive I/I and to propose an I/I correction program to mitigate hydraulic overloading of the plant during severe storms.

Project Description

This proposed project will consist of an I/I correction program to remove a portion of the excessive I/I. This will include replacement of sections of sanitary sewer pipe, grouting of sewer lines, grouting and sealing leaking manholes and repair of and adjustments to defective manholes.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient :-SOUTH BRUNSWICK TOWNSHIP

Project No. : 340866-01 Eligible Project Cost : $374,327
FY97 RANK : 219.0
County : MIDDLESEX Total State Amount : $374,327

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission	.00000
Population	.02236
TOTAL POINTS	50.02236

Project Name, Number

South Brunswick Township
340866-01
Infiltration/Inflow Correction

Priority List Rank

219

County

Middlesex

Service Area

South Brunswick Township (Kendall Park)

Existing Population

22,356

Need for Project

The Township has had an ongoing I/I program since 1990. Sewer lines have been televised and problem areas recorded. Small problems have been corrected, but, certain areas reqire lining or replacement of existing lines.

Project Description

The project involves the lining or replacement of existing sewer lines on an "as needed" basis to reduce I/I in the system.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : HAZLET TOWNSHIP

Project No. : 340968-01 Eligible Project Cost : $570,013
FY97 RANK : 220.0
County : MONMOUTH Total State Amount : $570,013

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50
State Planning Commission		.00000
Population		.02198
TOTAL POINTS		50.02198

Project Name, Number

Priority List Rank

Hazlet Township
340968-01
Interconnection/Cross-Connection Abatement

220

County

Monmouth

Service Area

Hazlet Township

Existing Population

21,976

Need for Project

To reduce elevated levels of bacteria in stormwater discharges to coastal waters.

Project Description

To eliminate cross-connections between sanitary and storm sewers by replacing portions of sewers, sealing manholes, and sealing leaks. To eliminate interconnections due to leaks, flows, or overflows from the sanitary sewer system.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient :-EDGEWATER BOROUGH

Project No. : 340443-05 Eligible Project Cost : $3,088,284
FY97 RANK : 221.0
County : BERGEN Total State Amount : $3,088,284

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.02138
	TOTAL POINTS	50.02138

Project Name, Number

Priority List Rank

Edgewater Borough
340443-05
Infiltration/Inflow Correction

221

County

Bergen

Service Area

Edgewater, Cliffside Park (portion), Fort Lee (portion)

Existing Population

21,382

Need for Project

To eliminate the excessive infiltration and inflow to extend the useful life of the sewer.

Project Description

There are approximately 25 miles of existing sewers in the Borough. The Edgewater STP presently has an influent rate of 3.3 mgd, of which 0.37 mgd has been identified as possibly being excessive. The sewer system evaluation survey program is currently in the process of identifying and verifying those areas which are susceptible to the excessive I/I. I/I correction as determined to be cost effective will follow.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : HILLSIDE TOWNSHIP

Project No. : 340906-03 Eligible Project Cost : $1,110,388
FY97 RANK : 222.0
County : UNION Total State Amount : $1,110,388

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.02137
	TOTAL POINTS	50.02137

Project Name, Number

Hillside Township
340906-03
I/I Rehabilitation and Sewer
Pump Station

Priority List Rank

222

County

Union

Service Area

Township of Hillside

Existing Population

21,374

Need for Project

The existing collection system serving the Township is very old, and is subject to an extreme amount of I/I. Rehabilitation of the entire sanitary sewer system is necessary to remove 650,000 gpd of I/I to prevent overflows from the existing collection system and back-ups into residential and industrial establishments.

Project Description

This proposed project will be for an I/I correction program to eliminate the portion of I/I that is excessive and detrimental to the existing collection system. In some cases minor replacement may be necessary. Also proposed is the major rehabilitation of an existing sewage pumping station.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : SOUTH PLAINFIELD BOROUGH

Project No. : 340950-01 Eligible Project Cost : $10,184,697
FY97 RANK : 223.0
County : MIDDLESEX Total State Amount : $10,184,697

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission	.00000
Population	.02050
TOTAL POINTS	50.02050

Project Name, Number

South Plainfield Borough
340950-01
Pumping Station

Priority List Rank

223

County

Middlesex

Service Area

Borough of South Plainfield

Existing Population

20,500

Need for Project

The Borough of South Plainfield is currently a direct customer of the Middlesex County Utilities Authority. The Borough is also a user of the sanitary sewer conveyance facilities of the City of South Plainfield and Plainfield Joint Meeting. The Borough is reportedly exceeding the contractual limitations within the conveyance facilities of the City of Plainfield and Plainfield Joint Meeting, which extend through the Borough of South Plainfield and also connect into the regional facilities of the Middlesex County Utilities Authority. The current facilities of the City of Plainfield and the Plainfield Joint Meeting are not capable of conveying the present and anticipated flows in the system service area, including the Borough of South Plainfield. As a result, a major project is necessary in order to relieve the current contractual and hydraulic limitations within the regional facilities. The Borough of South Plainfield is a major user of the facilities owned and operated by the City of Plainfield and Plainfield Joint Meeting. A diversion of a major portion of flow presently existing within the Borough of South Plainfield and conveyed through the City of Plainfield and Plainfield Joint Meeting system will relieve the contractual and hydraulic problems within the regional facilities, allow the sewer moratorium and sewer ban to be lifted within the Borough of South Plainfield and others utilizing the regional facilities and also provide a cost effective project for the Borough to provide current and future wastewater conveyance facilities.

Project Description

The project proposed by the Borough of South Plainfield involves a major pumping station and force main. The capacity of the pumping station will be approximately 8 mgd. An approximate 24 inch diameter force main will extend approximately 5.5 miles from the Borough of South Plainfield directly to the Middlesex County Utilities Authority System. Metering facilities will be provided and internal collection sewer diversions will be involved in the project for the transfer of flow from the current system to the proposed pumping station and force main.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : OLD BRIDGE MUA

Project No. : 340945-05 Eligible Project Cost : $2,385,000
FY97 RANK : 224.0
County : MIDDLESEX Total State Amount : $2,385,000

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.02000
	TOTAL POINTS	50.02000

Project Name, Number | Priority List Rank

Old Bridge Township MUA | 224
340945-05
Laurence Harbor Trunk Sewer Rehabilitation

County

Middlesex

Service Area

Laurence Harbor Drainage Basin

Existing Population

20,000

Need for Project

The project is needed due to the deterioration of the structural integrity of the gravity trunk sewer.

Project Description

The project involves the relining of the gravity trunk sewer tributary to the Laurence Harbor Sewer Pump Station.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : CARTERET BOROUGH

Project No. : 340939-01 Eligible Project Cost : $2,718,518
FY97 RANK : 225.0
County : MIDDLESEX Total State Amount : $2,718,518

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission .00000

Population .01927

TOTAL POINTS 50.01927

Project Name, Number

Carteret Borough
340939-01
I/I Correction

Priority List Rank

225

County

Middlesex

Service Area

Borough of Carteret

Existing Population

19,269

Need for Project

Having an old sewer system, the rate of infiltration/inflow (I/I) during storm events in Carteret is very high. Carteret's main pumping station receives flow far greater than its pumping capacity at such times. This project will relieve the load on the pumping station and ultimately on the Middlesex County Utilities Authority treatment plant.

In general, the structural integrity of the existing 5 pumping stations, sewer lines and manholes is in question. They need to be replaced, upgraded and/or rehabilitated. At some locations sewer lines need to be upsized to eliminate hydraulic overloading and overflows from manholes during peak flows.

Project Description

The proposed project includes an I/I correction program consisting of grouting, lining, and repairing/replacing structurally damaged pipes and manholes. In addition, 5 pumping stations will be upgraded and an interceptor may be increased in size.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : NORTH PLAINFIELD BOROUGH

Project No. : 340960-01 Eligible Project Cost : $708,917
FY97 RANK : 226.0
County : SOMERSET Total State Amount : $708,917

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission	.00000
Population	.01880
TOTAL POINTS	50.01880

Project Name, Number

North Plainfield Borough
340960-01
I/I Correction

Priority List Rank

226

County

Somerset

Service Area

North Plainfield Borough

Existing Population

18,800

Need for Project

Infiltration and inflow of groundwater and stormwater into the Borough's sanitary sewers has resulted in surcharging of the sanitary sewers and in sewage backing up into residences and business establishments.

Project Description

The project will include smoke testing, manhole inspection, CCTV inspection of pipes and flow metering. Construction may consist of: manhole sealing, pipe lining, joint realigning, replacing defective pipe sections, eliminating any cross connections with stormwater sewers, removing all sump pump discharge connections, and removing all downspout-leader connections.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : BRIDGETON CITY

Project No. : 340829-01 Eligible Project Cost : $469,612
FY97 RANK : 227.0
County : CUMBERLAND Total State Amount : $469,612

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.01876
	TOTAL POINTS	50.01876

Project Name, Number

Priority List Rank

Bridgeton City
340829-01
Infiltration/Inflow Correction

227

County

Cumberland

Service Area

City of Bridgeton

Existing Population

18,757

Need for Project

The infiltration/inflow analysis, dated August 1974, indicated existence of excessive infiltration/inflow in the City of Bridgeton collection system. Subsequently, a Sewer System Evaluation Survey was conducted. The result of this Survey indicates that a combined total of 267,440 gpd of infiltration/inflow can be cost-effectively removed through rehabilitation of the collection system.

Project Description

The project consists of chemical sealing, excavation, minor rehabilitation of 11,600 feet of 8 inch, vitrified clay pipe. In addition, 19 manholes will be either chemically sealed, raised to grade or require grouting under the frame, and 14 roof leaders require disconnection.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : ELMWOOD PARK BOROUGH

Project No. : 340863-01 Eligible Project Cost : $1,091,170
FY97 RANK : 228.0
County : BERGEN Total State Amount : $1,091,170

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.01800
	TOTAL POINTS	50.01800

Project Name, Number

Priority List Rank

Elmwood Park Borough
340863-01
Infiltration/Inflow Correction

228

County

Bergen

Service Area

Borough of Elmwood Park

Existing Population

18,000

Need for Project

A sewer system evaluation survey recently performed by Elson T. Killam Associates for the Passaic Valley Sewerage Commissioners' service area found excessive infiltration/inflow (I/I) in this municipality's sewer system.

Project Description

An I/I correction program, which will consist of grouting, slip lining, and repairing/replacing structurally damaged pipes and manholes will be undertaken to remove the identified excessive I/I.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient :- DUMONT BOROUGH

Project No. : 340922-01 Eligible Project Cost : $3,625,787
FY97 RANK : 229.0
County : BERGEN Total State Amount : $3,625,787

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.01771
	TOTAL POINTS	50.01771

Project Name, Number

Priority List Rank

Dumont Borough
340922-01
I/I Correction

229

County

Bergen

Service Area

Dumont

Existing Population

17,708

Need for Project

The existing Sanitary Sewer System serves the Borough of Dumont and is approximately 65 years old. Treatment of the wastewater collected is provided by the Bergen County Utilities Authority at the Little Ferry Treatment Plant. Field investigations and existing records available at the Department of Public Works of the Borough of Dumont reveal that the condition of the sanitary sewer system is substandard. There are many sections of this mostly clay pipe system that have been troublesome, resulting in frequent blockages and requiring significant efforts and time by the Department of Public Works to clear the lines. These blockages and problems are caused mainly by undersized piping, cracking of pipes, root intrusion, offset joints and inadequate slopes.

The purpose of the program to rehabilitate the Sanitary Sewer System is to correct these problem areas and also to decrease the amount of infiltration into the system.

Project Description

The areas of the system requiring rehabilitation were selected based on the problems incurred as recorded in the Department of Public Works files and past field investigations.

The proposed scope of work will be carried out in four (4) phases over a 4-year period. The first phase will cover the southwest quadrant of the Borough where the system connects up with Bergen County Utilities Authority's System; the second phase will cover the northwest quandrant; the third phase, the southwest quadrant; and the fourth and final phase, the northeast quadrant.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : STONY BROOK REGIONAL SA

Project No. : 340400-03 Eligible Project Cost : $560,281
FY97 RANK : 230.0
County : MERCER Total State Amount : $560,281

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.01712
	TOTAL POINTS	50.01712

Project Name, Number — Priority List Rank

Stony Brook Regional Sewerage Authority — 230
340400-03
Infiltration/Inflow Correction

County

Mercer

Service Area

Township of South Brunswick

Existing Population

17,127

Need for Project

The collection system has been studied to identify extraneous infiltration and inflow sources. These sources raise the flow to the Stony Brook STP, but cause no operational or transmission problems other than those associated with a weak influent.

Project Description

This project would provide cost-effective removal of I/I in the South Brunswick collection system. Sections would be repaired, replaced or relined. Also, manholes are to be grouted and manhole covers replaced with gasket covers.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : ASBURY PARK CITY

Project No. : 340884-01 Eligible Project Cost : $2,157,878
FY97 RANK : 231.0
County : MONMOUTH Total State Amount : $2,157,878

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.01701
	TOTAL POINTS	50.01701

Project Name, Number

Asbury Park City
340884-01
Sewer System Rehabilitation

Priority List Rank

231

County

Monmouth

Service Area

Asbury Park City

Existing Population

17,010

Need for Project

The existing collection system consists of vitrified clay pipes with leaky joints. A large portion of the piping may be cracked, leading to infiltration.

Project Description

The project consists of replacement of a major portion of the collection system.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : MORRISTOWN TOWN

Project No. : 340376-04 Eligible Project Cost : $8,621,779
FY97 RANK : 232.0
County : MORRIS Total State Amount : $8,621,779

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission .00000

Population .01679

TOTAL POINTS 50.01679

Project Name, Number

Morristown Town
340376-04
Infiltration/Inflow Correction

Priority List Rank

232

County

Morris

Service Area

Town of Morristown

Existing Population

16,790

Need for Project

An Infiltration/Inflow (I/I) analysis has concluded that excessive I/I exists within the town's sewer system. Additional studies are underway to further define the quantity of excessive I/I and to propose an I/I correction program to eliminate a portion of the excessive I/I.

Project Description

This proposed project will be for the minor rehabilitation of sections of sanitary sewer pipe, grouting of sewer lines, grouting and sealing leaking manholes and repair or adjustments of defective manholes.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : CAMDEN COUNTY MUA

Project No. : 340640-05 Eligible Project Cost : $4,653,327
FY97 RANK : 233.0
County : CAMDEN Total State Amount : $4,653,327

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission	.00000
Population	.01640
TOTAL POINTS	50.01640

Project Name, Number

Priority List Rank

Camden County MUA
340640-05
STP Expansion

233

County

Camden

Service Area

Sicklerville Section of Winslow Township

Existing Population

16,400

Need for Project

Increased development pressures have necessitated an expansion of the existing secondary Winslow Township STP from 1.65 MGD to 2.2 MGD. This expansion would accommodate the sewage treatment needs of the anticipated 20 year population of the area, including new development and existing facilities currently utilizing septic systems.

Project Description

The proposed project consists of an expansion of the existing Winslow Township sewage treatment plant from 1.65 MGD to 2.2 MGD. It is currently envisioned that the plant will continue to use existing treatment processes and units. The expansion will consist of the addition of an identical treatment train, including an additional oxidation ditch, clarifier, filtration/polishing facilities and chlorination facilities, to achieve treatment for the additional capacity. In addition, the existing effluent pumping system and conveyance facilities must be upgraded to transport the additional flow to the off-site rapid infiltration basins. Finally, additional rapid infiltration basins will be needed to accommodate the proposed additional flow.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : OCEAN CITY

Project No. : 340730-01 Eligible Project Cost : $57,540
FY97 RANK : 234.0
County : CAPE MAY Total State Amount : $57,540

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.01549
	TOTAL POINTS	50.01549

Project Name, Number

Ocean City
340730-01
Infiltration/Inflow Correction

Priority List Rank

234

County

Cape May

Service Area

Ocean City

Existing Population

15,494
36,500 (Summer Peak)

Need for Project

The infiltration/inflow analysis has found that the system is subject to possible excessive infiltration/inflow (I/I).

Project Description

The rehabilitation of Ocean City's sanitary sewer system includes the sealing, repair, or replacement of defective pipes, manholes and lateral connections.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : WARREN CO LOPAT SA

Project No. : 340580-04 Eligible Project Cost : $2,463,225
FY97 RANK : 235.0
County : WARREN Total State Amount : $2,463,225

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.01542
	TOTAL POINTS	50.01542

Project Name, Number

Priority List Rank

Warren County - Lopatcong Creek
340580-04
Infiltration/Inflow Correction-
Overflow

235

County

Warren

Service Area

The Warren County-Lopatcong Creek Sewerage Authority is retaining a spot on the Priority List for rehabilitation of the local collection systems within their 201 Facilities Planning Area. The planning area lies in the Delaware Watershed and includes Alpha Borough and Lopatcong, Pohatcong, Harmony and Greenwich Townships.

Existing Population

15,415

Need for Project

Sanitary collection systems currently serve Alpha, Lopatcong, and Pohatcong. The existing Phillipsburg plant (NJ0024716) presently treats domestic and industrial waste from the above municipalities. Constructed in 1950 - 1951 with a design capacity of 3.5 MGD, the plant provides secondary treatment by means of an activated sludge process. Present flows average slightly over 2.1 MGD, but peak conditions can result in flows over 6.0 MGD which lead to a by-pass of the plant and direct discharge of untreated effluent into the Lopatcong Creek, FW2-TM (tributary to Delaware River). There also are known cross connection between the storm and sanitary sewerage systems. These raw discharges result in frequent violations of fecal coliform standards, and marginal degradation from nutrient and toxic impacts. An I/I analysis included in the facilities plan concluded infiltration to be non-excessive, but recommended a Sewer System Evaluation Survey (SSES @ $26,000) to study the removal of excessive inflow and the elimination of the system by-passes.

Project Description

The proposed SSES will refine the conclusions of the I/I analysis and make recommendations for I/I correction. The project will allow for the construction and implementation of the cost effective rehabilitation measures. This will result in the abatement of the raw sewage by-pass problem presently experienced both in the collection systems and at the plant.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : BERNARDS TOWNSHIP SA

Project No. : 340382-03 Eligible Project Cost : $482,182
FY97 RANK : 236.0
County : SOMERSET Total State Amount : $482,182

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission	.00000
Population	.01530
TOTAL POINTS	50.01530

Project Name, Number

Priority List Rank

Bernards Township
340382-03
Infiltration/Inflow Correction

236

County

Somerset

Service Area

Bernards Township

Existing Population

15,303

Need for Project

There is excessive infiltration/inflow in the existing collection system which can be cost-effectively removed by I/I correction. However, the operation of the treatment plant will not be affected by the excessive I/I.

Project Description

The proposed project involves I/I correction of the existing sewer system through a cleaning, TVing, air testing, and grouting program. To correct the inflow problems, the project will also include manhole cover replacement and will address illegal connections.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : PLEASANTVILLE CITY

Project No. : 340752-01 Eligible Project Cost : $220,365
FY97 RANK : 237.0
County : ATLANTIC Total State Amount : $220,365

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission .00000

Population .01437

TOTAL POINTS 50.01437

Project Name, Number

Priority List Rank

Pleasantville City
340752-01
Infiltration/Inflow Correction

237

County

Atlantic

Service Area

The service area includes the City of Pleasantville. This is a bayfront community located approximately ten miles west of the Atlantic County coastal wastewater treatment plant.

Existing Population

14,372 (Year Round)
16,500 (Summer)

Need for Project

The wastewater collection system of Pleasantville was originally constructed in 1945, with new extensions added periodically. It consists of 294,684 linear feet of terra cotta, vitrified clay and cast iron pipe. The SSES investigation determined that the system was experiencing an average of 339,120 gpd of infiltration from a total of 37,585 linear feet of pipe.

Project Description

This project entails I/I correction of the sewer system of Pleasantville City.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : VERONA BOROUGH

Project No. : 340533-04 Eligible Project Cost : $1,465,130
FY97 RANK : 238.0
County : ESSEX Total State Amount : $1,465,130

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.01415
	TOTAL POINTS	50.01415

Project Name, Number

Verona Borough
340533-04
Infiltration/Inflow Correction

Priority List Rank

238

County

Essex

Service Area

Borough of Verona

Existing Population

14,153

Need for Project

An Infiltration/Inflow (I/I) analysis has concluded that the Borough's sewer system exhibits excessive I/I. Additional studies are underway to further define the quantity of excessive I/I and to propose a sewer rehabilitation program to mitigate hydraulic overloading of the plant during severe storm events which affects the performance of the treatment plant.

Project Description

This proposed project will consist of I/I correction to remove a portion of the excessive I/I. Construction of an equalization basin for storage of inflow may be necessary depending upon the conclusions of the additional on-going studies.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : SPRINGFIELD TOWNSHIP

Project No. : 340855-01 Eligible Project Cost : $1,465,130
FY97 RANK : 239.0
County : UNION Total State Amount : $1,465,130

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission	.00000
Population	.01409
TOTAL POINTS	50.01409

Project Name, Number

Springfield Township
340855-01
Infiltration/Inflow Correction

Priority List Rank

239

County

Union

Service Area

Township of Springfield

Existing Population

14,088

Need for Project

Recent studies have indicated the presence of excessive Infiltration/Inflow (I/I) within the Township's sewer collection system.

Project Description

Recommended is an I/I correction program consisting of minor rehabilitation measures to remove the excessive Infiltration/Inflow.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : SOUTH RIVER BOROUGH

Project No. : 340940-01 Eligible Project Cost : $1,396,910
FY97 RANK : 240.0
County : MIDDLESEX Total State Amount : $1,396,910

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission	.00000
Population	.01325
TOTAL POINTS	50.01325

Project Name, Number

South River Borough
340940-01
Infiltration/Inflow Correction

Priority List Rank

240

County

Middlesex

Service Area

Borough of South River

Existing Population

13,248

Need for Project

The existing collection system in the Borough of South River is deteriorated and subject to excessive infiltration/inflow.

Project Description

Inspection and evaluation of the existing sewer system will be performed to determine the extent of deterioration. Restoration of the existing sewer system as required using rehabilitation techniques (replacement, slip lining, inversion lining, U liner, etc.) best suited to the conditions encountered will be conducted.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : METUCHEN BOROUGH

Project No. : 340360-01 Eligible Project Cost : $3,725,000
FY97 RANK : 241.0
County : MIDDLESEX Total State Amount : $3,725,000

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.01280
	TOTAL POINTS	50.01280

Project Name, Number

Metuchen Borough
340360-01
I/I Correction

Priority List Rank

241

County
Middlesex

Service Area

Borough of Metuchen

Existing Population

12,800

Need for Project

A report prepared by Middlesex County Utilities Authority in 1981 indicates that the Borough experiences excessive quantities of infiltration and inflow in its sanitary sewer system resulting in capacity problems and high sewer bills and that cost-effective rehabilitation is warranted.

Project Description

Sanitary sewer system rehabilitation measures include, but are not limited to, testing and sealing, repairing laterals, spot repairs, manhole repairs and pipe lining or replacement.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : BERKELEY HEIGHTS TOWNSHIP

Project No. : 340385-02 Eligible Project Cost : $147,540
FY97 RANK : 242.0
County : UNION Total State Amount : $147,540

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission	.00000
Population	.01279
TOTAL POINTS	50.01279

Project Name, Number

Priority List Rank

Berkeley Heights Twp.
340385-02
Infiltration/Inflow Correction

242

County

Union

Service Area

Berkeley Heights

Existing Population

12,787

Need for Project

There is excessive infiltration/inflow in the existing collection system which is placing an unncessary burden on the four lift stations in the collection system. I/I correction would be a cost-effective way to resolve this condition. Although the WWTP in Berkeley Heights can handle the excess flow, any increase in the severity or duration of typical storm events could cause a hydraulic overloading of the existing lift stations, which would overflow into the surface waters of our area.

Project Description

The proposed project is for the I/I correction of the existing sanitary sewer system. The project involves smoke testing of the sewers, internal pressure grouting of the sewer joints, inspection and repair of manholes, raising, resetting, and/or replacement of manhole covers.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : HIGHLAND PARK BOROUGH

Project No. : 340938-01 Eligible Project Cost : $2,718,518
FY97 RANK : 243.0
County : MIDDLESEX Total State Amount : $2,718,518

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission	.00000
Population	.01272
TOTAL POINTS	50.01272

Project Name, Number

Highland Park Borough
340938-01
I/I Correction

Priority List Rank

243

County

Middlesex

Service Area

Highland Park

Population

12,720

Need for Project

This project is necessary to eliminate excessive infiltration/ inflow (I/I) within the service area due to the rising costs of treatment for extraneous flows.

Project Description

This project will be for an I/I correction program to eliminate the excessive I/I within the service area, including sub-basin areas #55 (Cleveland Ave) and #25 (Donaldson Park).

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : CEDAR GROVE TOWNSHIP

Project No. : 340717-05 Eligible Project Cost : $374,327
FY97 RANK : 244.0
County : ESSEX Total State Amount : $374,327

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.01262
	TOTAL POINTS	50.01262

Project Name, Number

Priority List Rank

Cedar Grove, Township of
340717-05
Infiltration/Inflow Correction

244

County

Essex

Service Area

Township of Cedar Grove

Existing Population

12,624

Need for Project

An Infiltration/Inflow (I/I) analysis has concluded that the Township's sewer system exhibits excessive I/I. Additional studies are underway to further define this excessive I/I and to propose a sewer rehabilitation program.

Project Description

This proposed project will consist of minor rehabilitation work to remove a portion of the excessive I/I. Construction of an equalization basin for storage of inflow may be recommended depending upon the conclusion of the additional on-going studies.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : PARSIPPANY-TROY HILLS TWP

Project No. : 340766-02 Eligible Project Cost : $51,639
FY97 RANK : 245.0
County : MORRIS Total State Amount : $51,639

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.01260
	TOTAL POINTS	50.01260

Project Name, Number

Priority List Rank

Parsippany-Troy Hills
340766-02
Infiltration/Inflow Correction

245

County

Morris

Service Area

Parsippany-Troy Hills-Study zones C & D

Existing Population

12,600

Need for Project

An infiltration/inflow (I/I) analysis has concluded that excessive I/I exists in the sewer system. Additional studies will define this excess quantity and propose an I/I correction program to eliminate a portion of the excessive I/I.

Project Description

This project is for the I/I correction of the Township's sewer system. The project involves grouting of manholes, raising and resetting manhole frames and covers, internal pressure grouting of sewer joints, excavation and removal of 2 storm sewer connections, repair of one service connection, and elimination of sump pumps, roof leaders and yard drains. This I/I correction project does not affect the treatment system.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : -BELLMAWR BOROUGH

Project No. : 340337-01 Eligible Project Cost : $397,674
FY97 RANK : 246.0
County : CAMDEN Total State Amount : $397,674

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.01250
	TOTAL POINTS	50.01250

Project Name, Number

Priority List Rank

Bellmawr Borough
340337-01
Sewer Rehabilitation

246

County

Camden

Service Area

Portions of Bellmwar Borough

Existing Population

12,500

Need for Project

The replacement of the existing deteriorated sewer main within the Turnpike easement is required to eliminate the tremendous amount of inflow and infiltration (I/I). The main is in such poor condition that during times of inclement weather, or when the groundwater table is high, the I/I utilizes all of the available capacity in the pipe and causes severe surcharges through nearby manholes.

Project Description

The project will include the removal of the existing 8" diameter terracotta sewer main and the subsequent construction of a new 10" diameter PVC sewer main. Precast manholes with watertight locking castings will also be provided to replace existing brick manholes which currently have standard castings. Since the easement upon which the existing main is constructed is in a wetlands area, improvements to the existing gravel access road over the top of the main will also be made. The improvements to the road are necessary to provide a firm roadway base for maintenance vehicles to travel along the pipe alignment and to properly elevate manhole castings out of potential small stream flooding areas.

Improvements to the pump station include replacement of the original pumps and pump motors as well as the pump control equipment. All of the existing equipment is original (approximately 45 years old) and is in very poor condition. An aluminum bar screen and gang plank is also needed inside the wetwell structure.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : LITTLE FALLS MUA

Project No. : 340716-04 Eligible Project Cost : $631,308
FY97 RANK : 247.0
County : PASSAIC Total State Amount : $631,308

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.01222
	TOTAL POINTS	50.01222

Project Name, Number

Priority List Rank

Little Falls Township
340716-04
Infiltration/Inflow Correction

247

County

Passaic

Service Area

Township of Little Falls

Existing Population

12,215

Need for Project

The Little Falls Collection System consists of approximately 120,000 linear feet of pipe in size from six to eighteen inches diameter. Eighty-nine percent of pipe is clay tile, ten percent is asbestos cement, and one percent is cast iron pipe. Interviews with the plant operator indicate that sewers in the western section of Little Falls surcharge and overflow during periods of heavy rain and high Passaic River levels. Overflows also occur at the Hopson Street Pumping Station, which receives sewage flow from the easterly section of Little Falls.

Project Description

This proposed project consists of a sewer system evaluation study utilizing manhole inspection, rainfall simulation, and T.V. inspection and the minor rehabilitation of the Township's existing sewer system to eliminate the portion of the I/I that is excessive.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : ROXBURY TWP

Project No. : 340381-05 Eligible Project Cost : $1,344,941
FY97 RANK : 248.0
County : MORRIS Total State Amount : $1,344,941

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission	.00000
Population	.01210
TOTAL POINTS	50.01210

Project Name, Number

Priority List Rank

Roxbury Township
340381-05
Infiltration/Inflow Correction

248

County

Morris

Service Area

Roxbury Township and portions of Mine Hill, Mount Arlington and Randolph

Existing Population

12,109

Need for Project

To eliminate excessive inflow into the sewer system.

Project Description

The Ajax Terrace sewage treatment plant has a sewer configuration 50 miles in length with a dry weather flow of 0.94 mgd. The infiltration has been determined to be nonexcessive. However, excessive inflow does exist since the plant flow records indicated that the wet weather flows were as much as 4 times greater than the dry weather flows. Inflow investigation is presently underway to identify the locations, magnitudes, and causes of this inflow problem. It is expected that a sewer system evaluation survey and I/I correction program will follow.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : HACKETTSTOWN MUA

Project No. : 340803-03 Eligible Project Cost : $641,034
FY97 RANK : 249.0
County : WARREN Total State Amount : $641,034

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission	.00000
Population	.01199
TOTAL POINTS	50.01199

Project Name, Number | Priority List Rank

Hackettstown Municipal Utilities Authority 249
340803-03
Septage Treatment and Disposal

County

Warren

Service Area

Hackettstown Town, Independence Township

Existing Population

11,986

Need for Project

Disposing of septage in unlined landfills was prohibited as of March 15, 1985 to prevent degradation of groundwater quality. An alternative disposal method is the utilization of existing treatment facilities. Therefore, the municipalities indicated above have been assigned to the Hackettstown Municipal Utilities Authority treatment plant as designated in Appendix A of the Statewide Septage Management Plan. This project is necessary to ensure that septage disposal for existing and future development is in conformance with said plan.

It should also be noted that the present facilities for handling septage wastes generated within the above service area are inadequate to handle the quantity and quality of wastes proposed to be accepted.

Project Description

A septage management plan has already been approved by the NJDEP. The facility plan recommends the construction of additional septage handling facilities at the HMUA wastewater treatment plant. The proposed facilities consist of a receiving station, receiving chamber, holding tank, pumping station, piping, valves and miscellaneous equipment to provide the capability of diverting septage at a controlled rate to the primary digester or the division box upstream of the primary clarifier.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : VENTNOR CITY

Project No. : 340667-01 Eligible Project Cost : $639,644
FY97 RANK : 250.0
County : ATLANTIC Total State Amount : $639,644

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission .00000

Population .01175

TOTAL POINTS 50.01175

Project Name, Number

Priority List Rank

Ventnor City
340667-01
Sewer Rehabilitation

250

County

Atlantic

Service Area

City of Ventnor

Existing Population

The City of Ventnor has a permanent population of 11,749 and a summer population of 23,400.

Need for Project

The siphon under the Intercoastal Waterway and the subsequent pump station are deteriorating. Repair and upgrade are needed.

Project Description

The project involves the relining of 300 feet of 24-inch diameter sewer siphon beneath the West End Canal. The siphon flows into the existing Canal Pumping Station which is 20 years old and needs replacement of 2 pumps and the wetwell, as well as the upgrade of piping, valving, and installation of a recording device and emergency generator.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : SOMERS POINT CITY

Project No. : 340618-01 Eligible Project Cost : $113,605
FY97 RANK : 251.0
County : ATLANTIC Total State Amount : $113,605

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission	.00000
Population	.01122
TOTAL POINTS	50.01122

Project Name, Number

Somers Point City
340618-01
Infiltration/Inflow Correction

Priority List Rank

251

County

Atlantic

Service Area

Somers Point City

Existing Population

11,216 (Year Round)
13,350 (Summer)

Need for Project

Based upon existing studies, the sewer system of Somers Point City is subject to excessive infiltration/inflow (I/I).

Project Description

This project includes rehabilitation of the sewer system of Somers Point City to correct I/I problems.

NEW JERSEY STATE LIBRARY

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient :- TOTOWA BOROUGH

Project No. : 340778-01 Eligible Project Cost : $985,189
FY97 RANK : 252.0
County : PASSAIC Total State Amount : $985,189

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission	.00000
Population	.01119
TOTAL POINTS	50.01119

Project Name, Number

Priority List Rank

Totowa Borough
340778-01
Infiltration/Inflow Correction

252

County

Passaic

Service Area

Totowa Borough

Existing Population

11,192

Need for Project

The Township's sewer system contains excessive infiltration/inflow (I/I) as documented by the I/I analysis. Additional studies will estimate the quantity of I/I in the system to eliminate a portion of excessive I/I.

Project Description

This project is for the I/I correction of Totowa Borough's existing sewer system to eliminate a portion of infiltration/inflow that is excessive. The project will be for the minor rehabilitation of sections of sanitary sewer pipe including grouting, sealing, and repair of defective manholes.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient :-WESTWOOD BOROUGH

Project No. : 340862-01 Eligible Project Cost : $4,901,126
FY97 RANK : 253.0
County : BERGEN Total State Amount : $4,901,126

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission .00000

Population .01092

TOTAL POINTS 50.01092

Project Name, Number

Priority List Rank

Westwood Borough
340862-01
Infiltration/Inflow Correction

253

County

Bergen

Service Area

Borough of Westwood

Existing Population

10,918

Need for Project

The Bergen County Utilities Authority Infiltration Inflow (I/I) Analysis and Sewer System Evaluation Survey identified excessive I/I in this municipality's sewer system.

Project Description

The excessive I/I will be removed by grouting, slip lining, and other minor rehabilitation methods.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient :-RIVER EDGE BOROUGH

Project No. : 340841-01 Eligible Project Cost : $458,425
FY97 RANK : 254.0
County : BERGEN Total State Amount : $458,425

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission	.00000
Population	.01064
TOTAL POINTS	50.01064

Project Name, Number

River Edge Borough
340841-01
Infiltration/Inflow Correction

Priority List Rank

254

County

Bergen

Service Area

Borough of River Edge

Existing Population

10,643

Need for Project

The Bergen County Utilities Authority Infiltration/Inflow (I/I) Analysis and Sewer System Evaluation Survey identified excessive I/I in this municipality's sewer system.

Project Description

The excessive I/I will be removed by grouting, slip lining, and other minor rehabilitation methods.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient :-WANAQUE VALLEY RSA/WANAQUE BOROUGH

Project No. : 340780-02 Eligible Project Cost : $1,567,310
FY97 RANK : 255.0
County : PASSAIC Total State Amount : $1,567,310

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.01058
	TOTAL POINTS	50.01058

Project Name, Number

Priority List Rank

Wanaque Valley RSA/Wanaque Borough
340780-02
Sewer Rehabilitation

255

County

Passaic

Service Area

Wanaque Borough

Existing Population

10,579

Need for Project

An Infiltration/Inflow (I/I) analysis and Sewer System Evaluation Survey (SSES) have been completed which documents the existence of excessive I/I within the service area (Haskell and Whistler Place).

Project Description

This proposed project will consist of I/I correction work to remove the excessive I/I in the Haskell and Whistler Place service areas in Wanaque Borough. This work includes replacement of 4000 linear feet of sewers and approximately 150 service laterals.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient :- SAYREVILLE BOROUGH

Project No. : 340326-04 Eligible Project Cost : $244,515
FY97 RANK : 256.0
County : MIDDLESEX Total State Amount : $244,515

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission	.00000
Population	.01050
TOTAL POINTS	50.01050

Project Name, Number

Priority List Rank

Sayreville Borough
340326-04
Infiltration/Inflow Correction

256

County

Middlesex

Service Area

Borough of Sayreville (Morgan and Melrose Sections)

Existing Population

10,500

Need for Project

The sewer systems in the Morgan and Melrose sections of Sayreville Borough constructed prior to the use of secondary treatment methods did not set strict limits on the volume of infiltration and inflow within sanitary sewers since treatment costs were not greatly affected by these extraneous flows. However, in recent years, the construction costs of conveyance facilities, coupled with rising treatment costs associated with secondary treatment methods, have resulted in efforts to eliminate infiltration and inflow in areas where it is proven to be cost-effective.

Project Description

The proposed project is to provide I/I correction for Sayreville's existing system.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : FAIRVIEW BOROUGH

Project No. : 340517-01 Eligible Project Cost : $1,431,112
FY97 RANK : 257.0
County : BERGEN Total State Amount : $1,431,112

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.01034
	TOTAL POINTS	50.01034

Project Name, Number

Fairview Borough
340517-01
Infiltration/Inflow Correction

Priority List Rank

257

County

Bergen

Service Area

Borough of Fairview

Existing Population

10,341

Need for Project

BCUA has completed an Infiltration/Inflow (I/I) analysis and Sewer System Evaluation Survey which has identified excessive I/I within the Borough's sewer system and proposed an I/I correction program to eliminate a portion of these extraneous I/I flows.

Project Description

This proposed project may include the grouting and sealing of leaking manholes and sewer lines, repair or adjustments of defective manhole covers, and other minor rehabilitation measures.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : -BRIGANTINE CITY

Project No. : 340827-01 Eligible Project Cost : $2,986,140
FY97 RANK : 258.0
County : ATLANTIC Total State Amount : $2,986,140

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission .00000

Population .00988

TOTAL POINTS 50.00988

Project Name, Number

Priority List Rank

Brigantine City
340827-01
Infiltration/Inflow Correction

258

County

Atlantic

Service Area

The service area consists of the City of Brigantine. It is located north of Atlantic City on an island in Reeds Bay.

Existing Population
9,876 (Year Round)
16,000 (Summer)

Need for Project

The City of Brigantine has a wastewater collection system which consists of approximately 187,300 linear feet of pipe. A total of 121,912 linear feet is subject to excessive infiltration. The amount of infiltration that can be cost effectively removed with sewer system rehabilitation is approximately 138,200 gpd.

Project Description

This project entails the I/I correction of the sewer system of the City of Brigantine. This would decrease the load on the Atlantic County regional STP due to excessive infiltration and inflow. The infiltration/inflow problem in this area is most pronounced at times of abnormally high tides and excessive rainfall. At these times there are some sewer backups and overflows at the pumping stations, however, these occurrences are very infrequent.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : LITTLE FERRY BOROUGH

Project No. : 340425-01 Eligible Project Cost : $4,915,533
FY97 RANK : 259.0
County : BERGEN Total State Amount : $4,915,533

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.00970
	TOTAL POINTS	50.00970

Project Name, Number | Priority List Rank

Little Ferry Borough | 259
340425-01
Pumping Station/Sewer System Rehabilitation

County

Bergen

Service Area

Borough of Little Ferry

Existing Population

9,700

Need for Project

The existing sanitary sewer collection system serving the Borough of Little Ferry is very old and is subject to an extreme amount of infiltration/inflow (I/I). Rehabilitation of portions of the sanitary sewer system is necessary to remove the excessive I/I. Also, rehabilitation of the Main Street pumping station is required.

Project Description

The proposed project includes rehabilitation of the existing Main Street pumping station and replacement of portions of the existing sanitary sewer collection system which are the source of the extraneous flow.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : MATAWAN BOROUGH

Project No. : 340967-01 Eligible Project Cost : $708,917
FY97 RANK : 260.0
County : MONMOUTH Total State Amount : $708,917

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission	.00000
Population	.00927
TOTAL POINTS	50.00927

Project Name, Number

Priority List Rank

Matawan Township
340967-01
Interconnection/Cross-Connection Abatement

260

County

Monmouth

Service Area

Matawan

Existing Population

9,270

Need for Project

To reduce elevated levels of bacteria in stormwater discharges to coastal waters.

Project Description

To eliminate cross-connections between sanitary and storm sewers by replacing portions of sewers, sealing manholes, and sealing leaks. To eliminate interconnections due to leaks, flows, or overflows from the sanitary sewer system.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : RUNNEMEDE SA

Project No. : 340363-01 Eligible Project Cost : $270,283
FY97 RANK : 261.0
County : CAMDEN Total State Amount : $270,283

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission .00000

Population .00904

TOTAL POINTS 50.00904

Project Name, Number

Runnemede SA
340363-01
I/I Correction

Priority List Rank

261

County

Camden

Service Area

Borough of Runnemede

Existing Population

9,042

Need for Project

The Runnemede Sewerage Authority has an agreement with the Camden County Municipal Utilities Authority to remove 140,000 to 160,000 gallons of infiltration/inflow from the existing collection system within the next two years. The area of Runnemede that borders the Big Timber Creek and Beaver Branch have the highest ground water and the greatest potential for infiltration.

Project Description

It is estimated that 15,000 LF of sanitary sewer and 300 manholes will be inspected in this area. Because of the age of the sewer system and the type of pipe joints, plus the root installation, at least 1,000 joints and 100 manholes will require sealing and 2,000 to 3,000 LF of sewer main will require lining.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : HADDON HEIGHTS BOROUGH

Project No. : 340877-01 Eligible Project Cost : $866,639
FY97 RANK : 262.0
County : CAMDEN Total State Amount : $866,639

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission	.00000
Population	.00820
TOTAL POINTS	50.00820

Project Name, Number

Priority List Rank

Haddon Heights Borough
340877-01
Infiltration/Inflow Correction

262

County

Camden

Service Area

Haddon Heights Borough

Existing Population

8,203

Need for Project

The existing collection system in the Borough of Haddon Heights is antiquated and subject to possible excessive infiltration/inflow (I/I).

Project Description

The project consists of the rehabilitation of the sewer system.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : BOGOTA BOROUGH

Project No. : 340914-01 Eligible Project Cost : $194,773
FY97 RANK : 263.0
County : BERGEN Total State Amount : $194,773

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission .00000

Population .00802

TOTAL POINTS 50.00802

Project Name, Number

Bogota Borough
340914-01
I/I Correction

Priority List Rank

263

County

Bergen

Service Area

Borough of Bogota

Existing Population

8,020

Need for Project

A 1981 report prepared by the Bergen County Utilities Authority identified sources of excessive infiltration and inflow which account for 27% of the total average flow and 78% of peak flow. The sewer system improvements will reduce the infiltration/inflow and increase the efficiency of the treatment plant.

Project Description

The proposed project includes the cleaning, televising, and grouting of approximately 17,000 LF of sanitary sewer pipe, the installation of 10 new manholes, and the rehabilitation of an existing pump station.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient :-GLEN RIDGE BOROUGH

Project No. : 340861-01 Eligible Project Cost : $337,786
FY97 RANK : 264.0
County : ESSEX Total State Amount : $337,786

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission	.00000
Population	.00787
TOTAL POINTS	50.00787

Project Name, Number

Priority List Rank

Glen Ridge Borough
340861-01
Infiltration/Inflow Correction

264

County

Essex

Service Area

Borough of Glen Ridge

Existing Population

7,872

Need for Project

A sewer system evaluation survey recently performed by Elson T. Killam Associates for the Passaic Valley Sewerage Commissioners' service area found excessive infiltration/inflow (I/I) in this municipality's sewer system.

Project Description

An I/I correction program consisting of grouting slip lining, and minor rehabilitation of structurally damaged pipes and manholes will be undertaken to remove the identified excessive I/I.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : SOUTH AMBOY CITY

Project No. : 340326-06 Eligible Project Cost : $244,515
FY97 RANK : 265.0
County : MIDDLESEX Total State Amount : $244,515

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.00784
	TOTAL POINTS	50.00784

Project Name, Number

South Amboy City
340326-06
Infiltration/Inflow Correction

Priority List Rank

265

County

Middlesex

Service Area

City of South Amboy

Existing Population

7,844

Need for Project

The sewer systems in the City of South Amboy, constructed prior to the use of secondary treatment methods, did not set strict limits on the volume of infiltration and inflow within sanitary sewers since treatment costs were not greatly affected by these extraneous flows. However, in recent years, the construction costs of conveyance facilities, coupled with rising treatment costs associated with secondary treatment methods, have resulted in efforts to eliminate infiltration and inflow in areas where it is proven to be cost-effective.

Project Description

The proposed project is to provide I/I correction for South Amboy's existing sewer system.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : HAMILTON TOWNSHIP MUA

Project No. : 340903-02 Eligible Project Cost : $2,774,147
FY97 RANK : 266.0
County : ATLANTIC Total State Amount : $2,774,147

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.00770
	TOTAL POINTS	50.00770

Project Name, Number

Priority List Rank

Hamilton Township MUA
340903-02
Collection System

266

County

Atlantic

Service Area

The service area is bounded by the Atlantic City Expressway to the North, the Egg Harbor Township boundary to the East, West Jersey Avenue to the South and the Hamilton Mall area to the West.

Existing Population

7,696

Need for Project

The project is necessary to provide sewer service to the areas of the Township which are not presently sewered in order to prevent future contamination of the ground water quality.

Project Description

The proposed project consists of the construction of a collection system within Hamilton Township. The flow will be conveyed through two pump stations and gravity sewers of PVC design ranging from 8-inch to 24-inch. The estimated design flow is 1.2 MGD. The wastewater will be treated at the Atlantic County Utilities Authority (ACUA) City Island Treatment Plant.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : MONTVALE BOROUGH

Project No. : 340846-01 Eligible Project Cost : $104,753
FY97 RANK : 267.0
County : BERGEN Total State Amount : $104,753

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission	.00000
Population	.00753
TOTAL POINTS	50.00753

Project Name, Number

Priority List Rank

Montvale Borough
340846-01
Infiltration/Inflow Corrrection

267

County

Bergen

Service Area

Borough of Montvale

Existing Population

7,532

Need for Project

The Bergen County Utilities Authority Infiltration/Inflow (I/I) Analysis and Sewer System Evaluation Survey identified excessive I/I in this municipality's sewer system.

Project Description

The excessive I/I will be removed by grouting, slip lining, and other minor rehabilitation methods.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : MEDFORD TOWNSHIP

Project No. : 340346-01 Eligible Project Cost : $2,390,883
FY97 RANK : 268.0
County : BURLINGTON Total State Amount : $2,390,883

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission	.00000
Population	.00700
TOTAL POINTS	50.00700

Project Name, Number

Priority List Rank

Medford Township
340346-01
Sewer Rehabilitation, STP Improvements

268

County

Burlington

Service Area

Portions of the following sewer subsystems in the Township: Village South, Birchwood South and Birchwood North

Existing Population

7,000

Need for Project

An Infiltration/Inflow Analysis was performed in 1990 which indicated the major areas of I/I problems. These areas have excessive I/I which reduces the capacity of the Sewage Treatment Plant. The line in the Village South area is a major trunk line in a low lying area that is often flooded and has major infiltration problems. Sewage Treatment Plant improvements need to be carried out to improve plant operations and plant efficiency.

Project Description

The proposed project includes the replacement of approximately 13,500 LF of 8", 10", 12" and 18" sanitary sewer, manholes, laterals and related appurtenances. The project will be segmented and the first segment will involve rehabilitation of Himmelein Road sewer and Christopher Mill Road force main. Also, proposed in this segment is the STP improvements which involve installation of grit removal system and sludge thickener cover.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : BERNARDSVILLE BOROUGH

Project No. : 340816-03 Eligible Project Cost : $1,135,113
FY97 RANK : 269.0
County : SOMERSET Total State Amount : $1,135,113

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission	.00000
Population	.00668
TOTAL POINTS	50.00668

Project Name, Number

Priority List Rank

Bernardsville Borough
340816-03
Infiltration/Inflow Correction

269

County

Somerset

Service Area

Borough of Bernardsville

Existing Population

6,600

Need for Project

Based on an infiltration/inflow analysis sponsored by the Somerset County Planning Board, the Upper Raritan Watershed Wastewater Facilities Plan recommends a Sewer System Evaluation Survey (SSES) be performed on the Bernardsville sewer system.

Project Description

The SSES will include a physical survey of the Bernardsville sewer system, including manhole inspections and flow inspection (measurement of sewage flows in isolated reaches of pipe), rainfall simulation and smoke testing, building inspection of units suspected of contributing inflow to the sanitary sewers, and television inspection. I/I correction in accordance with the recommendations of the SSES will follow.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : DUNELLEN BOROUGH

Project No. : 340916-01 Eligible Project Cost : $1,396,910
FY97 RANK : 270.0
County : MIDDLESEX Total State Amount : $1,396,910

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.00652
	TOTAL POINTS	50.00652

Project Name, Number

Priority List Rank

Dunellen Borough
340916-01
I/I Correction

270

County

Middlesex

Service Area

Borough of Dunellen

Existing Population

6,523

Need for Project

The majority of the sanitary sewer system of Dunellen was installed around 1915. The system consists of vitrified clay pipe, which has been cracking and failing. Over the past four years, the Borough has had to replace or reline several thousand feet of trunk line at a cost of almost $1 million.

Project Description

The proposed project consists of relining or replacing all the trunk lines in the Borough, upgrading and repair of Borough's pump station, upgrading and sealing manholes, and televising and clean remaining system.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : WASHINGTON BOROUGH

Project No. : 340706-04 Eligible Project Cost : $2,351,612
FY97 RANK : 271.0
County : WARREN Total State Amount : $2,351,612

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.00642
	TOTAL POINTS	50.00642

Project Name, Number

Priority List Rank

Washington Borough
340706-04
Infiltration/Inflow Correction

271

County

Warren

Service Area

Borough of Washington

Existing Population

6,424

Need for Project

The Borough's sanitary sewer system is subject to excessive amounts of inflow and infiltration which has caused sewage to overflow in the collection system and at the treatment plant site routinely during wet weather periods.

Project Description

The purpose of the project is to reduce rainfall-induced surcharging of the collection system and sewage treatment plant. The project involves an infiltration/inflow correction program in conjunction with the replacement/rehabilitation of sections of the sewer system.

NEW JERSEY STATE LIBRARY

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : SOMERDALE BOROUGH

Project No. : 340338-01 Eligible Project Cost : $254,421
FY97 RANK : 272.0
County : CAMDEN Total State Amount : $254,421

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission	.00000
Population	.00565
TOTAL POINTS	50.00565

Project Name, Number

Priority List Rank

Somerdale Borough
340338-01
Sewer Rehabilitation

272

County

Camden

Service Area

Southwestern portion of Somerdale Borough

Existing Population

5,646

Need for Project

The project is needed to relieve the surcharging in the manholes along the length of the main which has been experienced repeatedly. The frequency of backups and manhole overflows increases during wet weather. Video tape inspections of the main have revealed sections of deteriorated pipe, seperated joints and heavy root intrusion. All of these conditions have diminished the capacity of the existing pipe. Calculations indicate that even if the mains were in good condition, the current diameter would be undersized for the existing flow.

Project Description

The Borough has already completed Phase One of the project which began at the existing CCMUA metering station and ended at Park School on Oakland Avenue. The proposed project includes the Phase Two portion which traverses the area from the intersection of Hilltop and Park Avenues to the Park School. This Phase also includes crossing NJ State Highway Route 30 (White Horse Pike) by jacking a steel casing under the roadway.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : N ARLINGTON - LYNDHURST JT MTG (NARL)

Project No. : 340426-06 Eligible Project Cost : $218,940
FY97 RANK : 273.0
County : BERGEN Total State Amount : $218,940

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.00559
	TOTAL POINTS	50.00559

Project Name, Number | Priority List Rank

North Arlington/Lyndhurst JM (North Arlington) 273
340426-06
Sewer System Rehab

County

Bergen

Service Area

Portions of the Borough of North Arlington

Existing Population

5,594

Need for Project

The Joint Meeting has conducted an Infiltration/Inflow (I/I) analysis and concluded that excessive I/I exists in the sewer system. A sewer system evaluation survey has evaluated flow conditions and identified the sewer segments which are cost-effective to rehabilitate. Further sewer system evaluation work will propose an I/I correction program to reduce the excessive I/I flows.

Project Description

This proposed project will consist of an I/I correction program to remove a portion of the excessive I/I flows. This may include grouting of sewer joints, sealing manholes, repairs or replacement of defective manhole covers, and other minor rehabilitation measures.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : POINT PLEASANT BEACH BOROUGH

Project No. : 340479-02 Eligible Project Cost : $1,531,368
FY97 RANK : 274.0
County : OCEAN Total State Amount : $1,531,368

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.00552
	TOTAL POINTS	50.00552

Project Name, Number

Point Pleasant Beach Borough
340479-02
Infiltration/Inflow Corrrection

Priority List Rank

274

County

Ocean

Service Area

Borough of Point Pleasant Beach

Existing Population

5,529 (Year Round)
15,000 (Summer)

Need for Project

The Borough's sewer system is experiencing high infiltration and inflow attributable to the high ground water table and deteriorated pipes.

Project Description

The Borough owns and operates 17 miles of gravity sewers with diameters ranging from 6" to 24". The sewage is conveyed to the OCUA's Northern STP for treatment and disposal. 50% of the Borough's sewers are over 40 years old and 90% over 25 years old. A major portion of the sewer system requires I/I correction.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : SPRING LAKES HEIGHTS, BOROUGH OF

Project No. : 340840-01 Eligible Project Cost : $163,328
FY97 RANK : 275.0
County : MONMOUTH Total State Amount : $163,328

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.00537
	TOTAL POINTS	50.00537

Project Name, Number

Priority List Rank

Spring Lakes Heights Borough
340840-01
Infiltration/Inflow Correction

275

County

Monmouth

Service Area

Borough of Spring Lake Heights

Existing Population

5,369

Need for Project

Excessive infiltration/inflow has been discovered in the Borough's sewer system and is causing unnecessarily high processing charges for sewage treatment. Further studies will be performed to further define the sources of the excessive I/I.

Project Description

The scope of future work is unknown at the present time but may entail the repair of leaking joints and catch basins.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : MANASQUAN BOROUGH

Project No. : 340911-01 Eligible Project Cost : $6,093,106
FY97 RANK : 276.0
County : MONMOUTH Total State Amount : $6,093,106

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission .00000

Population .00534

TOTAL POINTS 50.00534

Project Name, Number

Manasquan Borough
340911-01
I/I Correction

Priority List Rank

276

County

Monmouth

Service Area

Borough of Manasquan

Existing Population

Winter: 5,341
Summer: 15,000

Need for Project

The existing sanitary sewer system consists of 80-year old terra cotta pipes, many of which are 6-inches in diameter. Many of the pipes are cracked, have broken joints, and deteriorated manholes. The Borough is located in a coastal area and often experiences high groundwater conditions.

Project Description

The project consists of the repair/replacement of several sections of the Borough's sewer system.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : EAST GREENWICH TOWNSHIP

Project No. : 340368-01 Eligible Project Cost : $660,187
FY97 RANK : 277.0
County : GLOUCESTER Total State Amount : $660,187

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.00526
	TOTAL POINTS	50.00526

Project Name, Number

East Greenwich Township
340368-01
Collection System

Priority List Rank

277

County

Gloucester

Service Area

Kings Highway, Cohawkin Road, County House Road

Existing Population

5,258

Need for Project

The purpose of the project is to eliminate individual on-site septic systems.

Project Description

The proposed project involves the construction of a sanitary sewer collection system along various streets covering approximately 6,050 linear feet with 8-inch diameter PVC sewer main.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : HIGHLANDS BOROUGH

Project No. : 340901-01 Eligible Project Cost : $877,696
FY97 RANK : 278.0
County : MONMOUTH Total State Amount : $877,696

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.00519
	TOTAL POINTS	50.00519

Project Name, Number

Highlands Borough
340901-01

Priority List Rank

278

County

Monmouth

Service Area

Highlands Borough

Existing Population

5,190

Need for Project

Sewer rehabilitation is necessary to correct excessive I/I. The current flow is equal to the amount designated for the year 2000. The completion of the work in the I/I report will reduce the infiltration and the additional charges for pumping and treatment.

Project Description

I/I correction utilizing standard sewer rehabilitation methods. A minor portion of the work in the I/I report is complete, and thus is ineligible for federal participation.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : CHESTERFIELD TOWNSHIP

Project No. : 340944-02 Eligible Project Cost : $1,887,060
FY97 RANK : 279.0
County : BURLINGTON Total State Amount : $1,887,060

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.00515
	TOTAL POINTS	50.00515

Project Name, Number

Priority List Rank

Chesterfield Township
340944-02
Collection System, STP

279

County

Burlington

Service Area

Portion of Chesterfield Township

Existing Population

5,152

Need for Project

Currently all units are serviced by individual, subsurface disposal systems which may impact grounwater quality.

Project Description

The proposed project includes the construction of a wastewater collection system and packaged treatment plant.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : NORTH WILDWOOD CITY

Project No. : 340663-02 Eligible Project Cost : $1,976,602
FY97 RANK : 280.0
County : CAPE MAY Total State Amount : $1,976,602

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.00502
	TOTAL POINTS	50.00502

Project Name, Number

North Wildwood City
340663-02
Sewer Rehabilitation

Priority List Rank

280

County

Cape May

Service Area

West of Central Avenue in North Wildwood

Existing Population

5,017

Need for Project

The sanitary sewer lines are in excess of 60 years old. Many leaking joints have caused sink hole problems, accelerated street deterioration and results in excessive infiltration and inflow into the City sewer system. The sewage has the potential to pollute surface water through exfiltration of the sanitary system combined with infiltration into the storm sewer system which discharges to back bay.

Project Description

The proposed project includes the replacement of 18,500 feet of 8-inch diameter sewer pipes, 50 manholes, and 1,000 house connection laterals.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : HIGHLANDS BOROUGH

Project No. : 340901-02 Eligible Project Cost : $147,540
FY97 RANK : 281.0
County : MONMOUTH Total State Amount : $147,540

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission .00000

Population .00485

TOTAL POINTS 50.00485

Project Name, Number

Priority List Rank

Highlands Borough
340901-02
Interconnection/Cross-Connection Abatement

281

County

Monmouth

Service Area

Borough of Highlands

Existing Population

4,849

Need for Project

To reduce elevated levels of bacteria in stormwater discharges to coastal waters.

Project Description

To eliminate cross-connections between sanitary and storm sewers by replacing portions of sewers, sealing manholes, and sealing leaks. To eliminate interconnections due to leaks, flows, or overflows from the sanitary sewer system.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : ROSELAND BOROUGH

Project No. : 340361-01 Eligible Project Cost : $570,013
FY97 RANK : 281.0
County : ESSEX Total State Amount : $570,013

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission	.00000
Population	.00485
TOTAL POINTS	50.00485

Project Name, Number

Priority List Rank

Roseland Borough
340361-01
Inflow and Infiltration Correction

281

County

Essex

Service Area

Borough of Roseland

Existing Population

4,847

Need for Project

The excessive inflow and infiltration condition results in surcharging of the collection system. In addition, the excess flow is being directed to the Caldwell STP and these additional volumes result in higher treatment costs to the Borough of Roseland.

Project Description

The Borough has conducted preliminary field investigations and determined that several residential neighborhoods are experiencing significant inflow/infiltration problems. These impacted areas represent approximately twenty (20) percent of the utility users. The Borough will embark upon final studies to determine the exact location and magnitude of the problems. The rehabilitation work will include air testing and chemical grouting of approximately 8,000 LF of sanitary sewer.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : HARRISON TOWNSHIP

Project No. : 340362-01 Eligible Project Cost : $3,125,170
FY97 RANK : 283.0
County : GLOUCESTER Total State Amount : $3,125,170

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission	.00000
Population	.00472
TOTAL POINTS	50.00472

Project Name, Number

Harrison Township
340362-01
Sewer Rehabilitation

Priority List Rank

283

County

Gloucester

Service Area

Harrison Township

Existing Population

4,715

Need for Project

The sanitary sewer system is approximately 25 to 30 years old and was constructed of terra cotta pipe. A majority of these sewer mains are located in low lying areas adjacent to wetlands or streams. In addition, the 11 pump stations are also 25 to 30 years old are in need of rehabilitation to bring them up to current operational standards. Several of the pump stations do not have back-up emergency generators or other alternate power source.

Project Description

The Township will repair and/or replace those sections of the sewer system which experience problems. Also included is the necessary work to upgrade the existing pump stations to current standards.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : SAYREVILLE BOROUGH

Project No. : 340326-07 Eligible Project Cost : $4,688,749
FY97 RANK : 284.0
County : MIDDLESEX Total State Amount : $4,688,749

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.00443
	TOTAL POINTS	50.00443

Project Name, Number

Sayreville Borough
340326-07
Infiltration/Inflow Correction - Overflow

Priority List Rank

284

County

Middlesex

Service Area

Morgan Section (South and West)

Existing Population

4,428

Need for Project

The southern and western portions of the Morgan Section of the Borough of Sayreville are presently served by a series of six municipal pump stations and one privately owned pump station which convey the wastewater flow to the Middlesex County Utilities Authority's secondary treatment facility. The gravity collection system downstream of the discharge of a major basin pumping station is subject to surcharge to the point of overflow during dry weather, peak flow periods. Anticipated growth in the area will additionally stress the already overloaded conveyance facilities.

Project Description

The proposed project calls for the construction of a gravity interceptor, regional pump station and force main, and the upgrading of four existing sub-regional pump stations. The wastewater flow will ultimately discharge directly to the Middlesex County Utilities Authority gravity sewer which runs parallel to the New York and Long Branch railroad.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : N ARLINGTON-LYNDHURST JT MTG (LYND)

Project No. : 340426-05 Eligible Project Cost : $4,688,749
FY97 RANK : 285.0
County : BERGEN Total State Amount : $4,688,749

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission .00000

Population .00419

TOTAL POINTS 50.00419

Project Name, Number — Priority List Rank

North Arlington/Lyndhurst JM (Lyndhurst) — 285
340426-05
Sewer System Rehab

County

Bergen

Service Area

Borough of Lyndhurst

Existing Population

4,185

Need for Project

The Joint Meeting has conducted an Infiltration/Inflow (I/I) analysis and concluded that excessive I/I exists in the sewer system. A sewer system evaluation survey has evaluated flow conditions and identified the sewer segments which are cost-effective to rehabilitate. Further sewer system evaluation work will propose an I/I correction program to reduce the excessive I/I flows.

Project Description

This proposed project will consist of an I/I correction program to remove a portion of the excessive I/I flows. This may include grouting of sewer joints, sealing manholes, repairs or replacement of defective manhole covers, and other minor rehabilitation measures.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : MERCHANTVILLE BOROUGH

Project No. : 340367-01 Eligible Project Cost : $1,590,100
FY97 RANK : 286.0
County : CAMDEN Total State Amount : $1,590,100

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission	.00000
Population	.00401
TOTAL POINTS	50.00401

Project Name, Number

Priority List Rank

Merchantville Borough
340367-01
Sewer Rehabilitation

286

County

Camden

Service Area

Borough of Merchantville

Existing Population

4,095

Need for Project

The existing sanitary sewers are in need of replacement because of broken/collapsed pipes, failed pipe joints and major root intrusion.

Project Description

The proposed project includes the replacement of existing sanitary sewer main within the following streets in the Borough of Merchantville.

1. Maple Avenue - Euclid Avenue to Lexington Avenue

2. Volan Street - Browning Road to Victoria Street

3. Prospect Street - Somerset Avenue to Spruce Street

4. Victoria Road - Volan Street to Myrtle Avenue

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : DELAWARE TOWNSHIP MUA

Project No. : 340917-02 | Eligible Project Cost : $430,399
FY97 RANK : 287.0
County : HUNTERDON | Total State Amount : $430,399

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.00398
	TOTAL POINTS	50.00398

Project Name, Number

Priority List Rank

Delaware Township MUA
340917-02
I/I Correction

287

County

Hunterdon

Service Area

Sergeantsville Light District

Existing Population

3,981

Need for Project

The Sergeantsville Light district is experiencing excessive infiltration. The collection system must be inspected to identify and correct the cause(s) of infiltration.

Project Description

The proposed project will include smoke testing and video camera inspection of approximately 10,000 linear feet of sewer line. In addition, cracks will be grouted and any collapsed or obstructed lines repaired.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : LAMBERTVILLE SA

Project No. : 340882-01 Eligible Project Cost : $710,306
FY97 RANK : 288.0
County : HUNTERDON Total State Amount : $710,306

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.00390
	TOTAL POINTS	50.00390

Project Name, Number

Priority List Rank

Lambertville Sewerage Authority
340882-01
I/I Correction

288

County

Hunterdon

Service Area

Lambertville, Stockton, parts of Delaware Township, West Amwell Township and New Hope, PA.

Existing Population

12,000

Need for Project:

The Lambertville Sewerage Authority has conducted a Sewer System Evaluation Survey (SSES) and located sources of excessive infiltration/inflow (I/I). Phase I repairs were completed by the Lambertville Sewerage Authority. Phase 2 and Phase 3 repairs are included in the scope of this project.

Project Description:

The proposed project includes the reparation of leaking pipes and manholes identified in the SSES. Additional investigations will be done to determine the effectiveness of repairs and the extent of migration.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : RIDGEFIELD BOROUGH

Project No. : 340394-01 Eligible Project Cost : $438,816
FY97 RANK : 289.0
County : BERGEN Total State Amount : $438,816

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.00378
	TOTAL POINTS	50.00378

Project Name, Number

Priority List Rank

Ridgefield Borough
340394-01
Sewer Rehabilitation

289

County

Bergen

Service Area

Portions of Ridgefield Borough

Existing Population

3,780

Need for Project

The project is needed to eliminate excessive infiltration/inflow in the sanitary sewer system.

Project Description

The proposed project includes the rehabilitation of the existing sanitary sewer along the Wolf Creek area from Elm Avenue southerly to Banta Place by removal and replacement of approximately 426 linear feet of sewer pipe and relining of approximately 1,370 linear feet of sewer pipe.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : HIGH BRIDGE BOROUGH

Project No. : 340842-01 Eligible Project Cost : $243,967
FY97 RANK : 290.0
County : HUNTERDON Total State Amount : $243,967

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.00377
	TOTAL POINTS	50.00377

Project Name, Number

High Bridge Borough
340842-01
Infiltration/Inflow Correction

Priority List Rank

290

County

Hunterdon

Service Area

Borough of High Bridge

Existing Population

3,772

Need for Project

The Borough of High Bridge suspects excessive Infiltration/Inflow quantities to be present in their municipal sewerage system.

Project Description

Pending study by the Borough, the excessive I/I is proposed to be removed by grouting, manhole replacement and other minor rehabilitation methods.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : STANHOPE BOROUGH

Project No. : 340504-02 Eligible Project Cost : $415,019
FY97 RANK : 291.0
County : SUSSEX Total State Amount : $415,019

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.00370
	TOTAL POINTS	50.00370

Project Name, Number

Priority List Rank

Stanhope Borough
340504-02
Infiltration/Inflow Correction

291

County

Sussex

Service Area

Stanhope Borough

Existing Population

3,704

Need for Project

A study was performed on the existing sanitary sewer system and it was determined that the possibility of excess infiltration/inflow does exist.

Project Description

A continuation of this study has been submitted to NJDEP and will be evaluated shortly. If the study confirms that infiltration/inflow does exist, then I/I correction of the system will be implemented.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : WOODBURY HEIGHTS BOROUGH

Project No. : 340257-01 Eligible Project Cost : $1,099,820
FY97 RANK : 292.0
County : GLOUCESTER Total State Amount : $1,099,820

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.00360
	TOTAL POINTS	50.00360

Project Name, Number

Priority List Rank

Woodbury Heights Borough
340257-01
Collection System, I/I

292

County

Gloucester

Service Area

Various sections of the Borough

Existing Population

3,600

Need for Project

To provide sanitary sewers into several unsewered sections of the Borough of Woodbury Heights and to reduce extraneous flows into the sanitary sewerage system.

Project Description

Sewer Expansion Project:

Expansion of the sewage collection system into the unsewered areas of Woodland Avenue, East/West Jersey Avenue, Sunside Avenue, Redwood Avenue and Helen Avenue, inclusive of the installation of 8" sanitary sewers, manholes, laterals, wye connections, cleanouts, bore and jack road crossings, pumping facilities and pavement restoration.

Infiltration and Inflow Correction:

The rehabilitation of sanitary sewers utilizing chemical grouting with acrylamide gel or an approved equal, along Central Avenue, Auburn Street, Fordham Road, Route 45, West Jersey Avenue, Elm Avenue, Lake Avenue, Glassboro Avenue, Brooklawn Avenue, Academy Avenue, Walnut Avenue, Lincoln Avenue, Cherry Avenue, Alliance Street, Second Street, Beech Avenue, Linden Avenue, Temple Avenue, Third Street, Oak Avenue and Stradford Avenue.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : SOUTH BOUND BROOK BOROUGH

Project No. : 340347-01 Eligible Project Cost : $1,239,434
FY97 RANK : 293.0
County : SOMERSET Total State Amount : $1,239,434

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.00350
	TOTAL POINTS	50.00350

Project Name, Number

South Bound Brook Borough
340347-01
Interceptor

Priority List Rank

293

County

Somerset

Service Area

South Bound Brook Borough (West of Cedar Street to border of Borough).

Existing Population

3,500

Need for Project

The project is needed to reduce or eliminate sanitary sewer overflows in the Borough. The overflow into the Raritan Delaware Canal occurs periodically.

Project Description

The proposed project includes the construction of a relief sewer line to handle sewage from the overflow problem areas and direct the additional sewage to the regional Sewage Treatment Plant for treatment.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : WOODBINE MUA

Project No. : 340370-01 Eligible Project Cost : $12,655,000
FY97 RANK : 294.0
County : CAPE MAY Total State Amount : $12,655,000

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.00300
	TOTAL POINTS	50.00300

Project Name, Number

Priority List Rank

Woodbine Borough MUA
340370-01
Collection System, STP

294

County

Cape May

Service Area

Woodbine Borough

Existing Population

3,000

Need for Project

The existing residences are served by individual on-site septic systems which are suspected to contribute to groundwater pollution. The State Department of Human Services owns and operates the only treatment facility in the Borough and it is located at and serves only the Woodbine Development Center.

Project Description

The proposed project involves the acquisition of the Woodbine Development Center's STP and the upgrade and expansion of the treatment facility from 0.16 MGD to 0.5 MGD. The upgrade will employ the sequential batch reactor process and denitrification. In addition, the project includes pump stations, force mains and approximately 60,000 linear feet of gravity sewers to collect and transport wastewater to the upgraded STP.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : SEA ISLE CITY

Project No. : 340659-01 Eligible Project Cost : $667,397
FY97 RANK : 295.0
County : CAPE MAY Total State Amount : $667,397

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.00295
	TOTAL POINTS	50.00295

Project Name, Number

Priority List Rank

Sea Isle City
340659-01
Infiltration/Inflow Correction - Overflow

295

County

Cape May

Service Area

Sea Isle City

Existing Population

2,955
21,184 (summer peak)

Need for Project

The Sea Isle City collection system is subject to possible excessive amounts of infiltration/inflow (I/I) as documented in a sewer system evaluation survey.

Project Description

The proposed rehabilitation tasks include: cleaning and inspection, repair and/or replacement of damaged or deteriorated sewer pipes and manholes.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : MOONACHIE BOROUGH

Project No. : 340970-02 Eligible Project Cost : $332,158
FY97 RANK : 296.0
County : BERGEN Total State Amount : $332,158

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission	.00000
Population	.00279
TOTAL POINTS	50.00279

Project Name, Number

Priority List Rank

Moonachie Borough
340970-02
I/I Correction

296

County

Bergen

Service Area

Borough of Moonachie

Existing Population

2,800

Need for Project

An Infiltration/Inflow study conducted by the Bergen County Utilities Authority identified Meter Area 146 (Moonachie Avenue Pumping Station) as requiring sewer rehabilitation.

Project Description

The proposed project includes the televised inspection and repair of sewers which are the source of extraneous flow.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : WOODLYNNE BOROUGH

Project No. : 340849-01 Eligible Project Cost : $4,261,056
FY97 RANK : 297.0
County : CAMDEN Total State Amount : $4,261,056

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission	.00000
Population	.00258
TOTAL POINTS	50.00258

Project Name, Number

Woodlynne Borough
340849-01
Infiltration/Inflow Correction

Priority List Rank

297

County

Camden

Service Area

Woodlynne Borough

Existing Population

2,578

Need for Project

The existing collection system is deteriorated with cracked pipes and open joints. Consequently, the infiltration/inflow (I/I) levels in the sewer system is possibly excessive.

Project Description

The proposed project consists of rehabilitation of the sewer system through the replacement of existing cracked pipes with PVC lines.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : AVON BY THE SEA BOROUGH

Project No. : 340335-01 Eligible Project Cost : $1,491,461
FY97 RANK : 298.0
County : MONMOUTH Total State Amount : $1,491,461

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.00235
	TOTAL POINTS	50.00235

Project Name, Number

Priority List Rank

Avon-By-The-Sea Borough
340335-01
Sewer Rehabilitation

298

County

Monmouth

Service Area

Avon-By-The-Sea

Existing Population

2,350

Need for Project

An economic study of flow level with sewer improvements versus Township of Neptune Sewerage Authority current charges for flow, indicates that flow levels may be in excess of contractural amounts. The excessive flow results in dilute flow into the treatment plant. This contributes to unwarranted costs and possible penalties for excessive flow.

Project Description

The proposed project would reduce infiltration of groundwater into the existing sewer system and includes the replacement of the comminutor which has an obsolete method of screening inflow of sewerage and inefficient operation. Also included is the correction of possible interconnections of storm sewers and tidal water drains to eliminate any other diluted flow sources.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : NORTH BERGEN MUA

Project No. : 340652-06 Eligible Project Cost : $3,997,392
FY97 RANK : 299.0
County : HUDSON Total State Amount : $3,997,392

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.00233
	TOTAL POINTS	50.00233

Project Name, Number

North Bergen MUA (Woodcliff)
340652-06
STP

Priority List Rank

299

County

Hudson

Service Area

North Bergen Township and Guttenberg Town

Existing Population

2,334

Need for Project

The Authority is in the process of designing new sanitary sewers to serve the River Road portion of the Township. This area is currently served by on-site systems many of which are failing, or through direct, illegal, discharges to the Hudson River. This project will be necessary to ensure continued permit compliance once the River Road system is completed.

STP (level of treatment)	Flow (mgd) Design	Present	Effluent BOD Reported % - mg/l	SS Reported % - mg/l
Woodcliff (Secondary) NJ0029084	2.65	2.67	89 - 16	89 - 8

Project Description

Expansion of the existing Woodcliff Wastewater Treatment Plant to accommodate additional flows from the River Road service area in the Township of North Bergen.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : LAVALETTE BOROUGH

Project No. : 340966-01 Eligible Project Cost : $2,718,518
FY97 RANK : 300.0
County : OCEAN Total State Amount : $2,718,518

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.00230
	TOTAL POINTS	50.00230

Project Name, Number

Priority List Rank

Lavallette Borough
340966-01
Infiltration/Inflow Correction

300

County

Ocean

Service Area

Borough of Lavallette

Existing Population

2,300

Need for Project

The project is needed to effectively limit infiltration/inflow into the sanitary sewer system. This will alleviate adverse down stream impacts on infrastructure and will reduce wastewater treatment costs.

Project Description

To identify trouble areas within the sanitary sewer system through cleaning and inspection. Remedies shall include replacement of deteriorated sections of sewer, rehabilitation of manhole structures, etc.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : LAVALETTE BOROUGH

Project No. : 340966-03 Eligible Project Cost : $2,526,305
FY97 RANK : 300.0
County : OCEAN Total State Amount : $2,526,305

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.00230
	TOTAL POINTS	50.00230

Project Name, Number

Priority List Rank

Lavallette Borough
340966-03
Sewer Rehabilitation

300

County

Ocean

Service Area

Borough of Lavallette

Existing Population

2,300

Need for Project

The project is needed to effectively limit infiltration/inflow into the sanitary sewer system. This will alleviate adverse downstream impacts on infrastructure and will reduce wastewater treatment costs.

Project Description

The proposed project involves the Phase III Sanitary Sewer Rehabilitation activities which includes cleaning, videoing and lining sewers, the replacement of deteriorated sections of sewer, lateral testing and sealing, rehabilitation of manhole structures, etc.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : LAVALETTE BOROUGH

Project No. : 340966-02 Eligible Project Cost : $430,399
FY97 RANK : 302.0
County : OCEAN Total State Amount : $430,399

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.00229
	TOTAL POINTS	50.00229

Project Name, Number

Priority List Rank

Lavallette Borough
340966-02
Interconnection/Cross-Connection Abatement

302

County

Ocean

Service Area

Borough of Lavallette

Existing Population

2,300

Need for Project

The investigate the presence of any cross connections and repair same to eliminate contamination of bay waters from leaking or improperly installed sanitary sewage systems.

Project Description

Hydraulically clean storm sewer pipes and inspect to locate and determine all cross connections. Once cross connections have been located, affect repairs of same to eliminate contamination and install pinch type check valves.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : -PEAPACK & GLADSTONE BOROUGH

Project No. : 340822-01 Eligible Project Cost : $125,409
FY97 RANK : 303.0
County : SOMERSET Total State Amount : $125,409

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.00212
	TOTAL POINTS	50.00212

Project Name, Number

Priority List Rank

Peapack-Gladstone Borough
340822-01
Infiltration/Inflow Correction

303

County

Somerset

Service Area

Entire Borough of Peapack-Gladstone

Existing Population

2,128

Need for Project

The existing sewer system has excessive I/I. Rehabilitation is necessary to remove excessive I/I, and to extend the useful life of the sewer system.

Project Description

The Borough has completed a TV & grouting program to reduce infiltration. The scope of the SSES will be reviewed after these measures are evaluated. The survey should consider inflow problems identified in subsystems 3, 4 and 5, which are defined in the original analysis (201 facilities plan).

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : GREENWICH TOWNSHIP

Project No. : 340359-01 Eligible Project Cost : $11,199,677
FY97 RANK : 304.0
County : WARREN Total State Amount : $11,199,677

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.00190
	TOTAL POINTS	50.00190

Project Name, Number

Priority List Rank

Greenwich Township
340359-01
Collection System, STP

304

County

Warren

Service Area

Southerly Sewer Service Area in Greenwich Township

Existing Population

1,899

Need for Project

This project will provide a necessary economic base for Greenwich Township and Warren County. The State of New Jersey will also benefit from the commercial development which will be created in the Industrial Zone of the Southerly Sewer District. It will specifically service the existing KOH-I-NOOR RAPIDOGRAPH, INC. facilities which presently have septic disposal only and the Cross Jersey Executive Park which will be constructed when the wastewater treatment plant becomes operational.

Project Description

The proposed project includes the construction of a wastewater treatment plant and collection system to serve the areas as outlined above.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : CLINTON TWP SEWERAGE AUTHORITY

Project No. : 340873-01 Eligible Project Cost : $289,789
FY97 RANK : 305.0
County : HUNTERDON Total State Amount : $289,789

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.00188
	TOTAL POINTS	50.00188

Project Name, Number

Priority List Rank

Clinton Township Sewerage Authority
340873-01
Infiltration/Inflow Correction

305

County

Hunterdon

Service Area

Clinton Town

Existing Population

1,882

Need for Project

Excessive infiltration associated with the Clinton Township Sewerage Authority system results in periodic sewage overflows. A water quality impact to tributaries of the South Branch Raritan River in the Clinton area (Classification FW2-TM) has not been definitely established at this time.

Project Description

Rehabilitation of existing conveyance and pumping facilities is proposed to correct the periodic sewage overflow problem.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : DEAL BOROUGH

Project No. : 340412-08 Eligible Project Cost : $1,259,960
FY97 RANK : 306.0
County : MONMOUTH Total State Amount : $1,259,960

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.00185
	TOTAL POINTS	50.00185

Project Name, Number

Priority List Rank

Deal Borough
340412-08
Infiltration/Inflow Correction

306

County

Monmouth

Service Area

Borough of Deal

Existing Population

1851

Need for Project

The Infiltration/Inflow (I/I) analysis of the collection system indicates that the city sewerage system has excessive I/I which can be removed cost-effectively.

Project Description

The proposed project will be for an Infiltration/Inflow correction program to eliminate excessive I/I from the sewerage system.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : EAST NEWARK BOROUGH

Project No. : 340848-01 Eligible Project Cost : $511,491
FY97 RANK : 307.0
County : HUDSON Total State Amount : $511,491

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50

State Planning Commission .00000

Population .00183

TOTAL POINTS 50.00183

Project Name, Number

East Newark Borough
340848-01
Infiltration/Inflow Correction

Priority List Rank

307

County

Hudson

Service Area

Borough of East Newark

Existing Population

1,832

Need for Project

A sewer system evaluation survey recently performed by Elson T. Killam Associates for the Passaic Valley Sewerage Commissioners' service area found excessive infiltration/inflow (I/I) in this municipality's sewer system.

Project Description

An I/I correction program, consisting of grouting slip lining, and minor rehabilitation of structurally damaged pipes and manholes will be undertaken to remove the identified excessive I/I.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient :-AVALON BOROUGH

Project No. : 340864-01 Eligible Project Cost : $1,545,524
FY97 RANK : 308.0
County : CAPE MAY Total State Amount : $1,545,524

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.00181
	TOTAL POINTS	50.00181

Project Name, Number

Priority List Rank

Avalon Borough
340864-01
Sewer Rehabilitation

308

County

Cape May

Service Area

Avalon Borough

Existing Population

1,809

Need for Project

Infiltration/Inflow (I/I) studies conducted have revealed that the Borough Sanitary Sewer System is possibly subject to excessive I/I. Sanitary sewer lines are in excess of 80 years old. The leaking joints have caused sink hole problems, accelerated street deterioration and excessive infiltration/inflow. Additional work is needed on the stormwater sewer system as well.

Project Description

The Borough proposes to replace the existing deteriorated sanitary sewer lines, service laterals and storm sewer lines including: refurbishing approximately 500 sanitary sewer manholes, relining the influent sewer line at the 23rd Street Pump Station, replacing sanitary lines on Heron Drive, Pelican Drive and the Business District, replacing storm lines in the Business District and replace/relocate 11th Street Pump Station and stormwater outfall.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient :-CHESTER BOROUGH

Project No. : 340876-02 Eligible Project Cost : $1,191,434
FY97 RANK : 309.0
County : MORRIS Total State Amount : $1,191,434

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.00151
	TOTAL POINTS	50.00151

Project Name, Number

Chester Borough
340876-02
STP

Priority List Rank

309

County

Morris

Service Area

Borough of Chester

Existing Population

1,504

Need for Project

The only means of wastewater treatment/disposal in Borough is via septic systems. These systems are old and experiencing significant rate of failure resulting in pollution problems for the Borough and adjacent municipalities. Funding is necessary to provide treatment to eliminate these conditions.

Project Description

The Borough proposed the construction of a wastewater treatment facility (WWTF) to service the Borough. The project includes the required collection and conveyance system components to eliminate the failing septic-systems.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : COMMERCIAL TOWNSHIP

Project No. : 340955-01 Eligible Project Cost : $9,207,328
FY97 RANK : 310.0
County : CUMBERLAND Total State Amount : $9,207,328

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.00150
	TOTAL POINTS	50.00150

Project Name, Number

Commercial Township
340955-01
Collection System, STP

Priority List Rank

310

County

Cumberland

Service Area

Port Norris

Existing Population

1,500

Need for Project

The commercial industries and marinas along the Maurice River are under consent order to improve their wastewater discharges into the River.

Project Description

A new collection system will be built to replace the current individual treatment systems. The collection system will be composed of approximately 4,800 L.F. of gravity main, 11,900 L.F. force main, and all appurtenances. A new wastewater treatment facility will be constructed.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : -BAY HEAD BOROUGH

Project No. : 340590-02 Eligible Project Cost : $2,230,279
FY97 RANK : 311.0
County : OCEAN Total State Amount : $2,230,279

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.00134
	TOTAL POINTS	50.00134

Project Name, Number

Priority List Rank

Bay Head Borough
340590-02
Infiltration/Inflow Correction

311

County

Ocean

Service Area

Bay Head Borough

Existing Population

1,343

Need for Project

The Borough of Bay Head has an old sewerage collection system consisting of clay pipes and lead joints. Cracked pipes and weak joints lead to excessive infiltration/inflow to the existing sanitary sewers. During wet weather, the infiltration/inflow to the system peaks at 0.8 mgd. It is cost effective to perform I/I correction as compared to transporting and treating these extraneous flows at the Ocean County Utilities Authority Wastewater Treatment Facility.

Project Description

At present the project is in Phase II of SSES. This consists of preparatory cleaning and internal TV inspection of 15,281 linear feet and smoke testing of 29,005 linear feet of sewer line. Dye water flooding and dye tracing will be done at the conclusion of smoke testing. In addition, a pilot grouting program of the worst 10 lines will also be undertaken during this phase and the results so obtained will be used in the subsequent work in Phase 3, which will consist of the I/I correction of the remaining lines with excessive infiltration/inflow, grouting of 17 leaking manholes and utilizing manhole inserts to eliminate inflow in 47 manholes. The I/I correction program will remove extraneous flow from this sewer system.

NEW JERSEY STATE LIBRARY

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : STONE HARBOR BOROUGH

Project No. : 340722-01 Eligible Project Cost : $258,678
FY97 RANK : 312.0
County : CAPE MAY Total State Amount : $258,678

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.00128
	TOTAL POINTS	50.00128

Project Name, Number

Priority List Rank

Stone Harbor Borough
340722-01
Infiltration/Inflow Correction

312

County

Cape May

Service Area

Stone Harbor Borough

Existing Population

1,281
20,278 (summer peak)

Need for Project

The Stone Harbor sewer system is subject to excessive infiltration/inflow (I/I) as documented in a sewer system evaluation survey.

Project Description

Tasks included in the proposed minor rehabilitation include the sealing, repair and/or replacement of damaged or deteriorated sewer pipes and manholes.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : LONGPORT BOROUGH

Project No. : 340665-01 Eligible Project Cost : $950,798
FY97 RANK : 313.0
County : ATLANTIC Total State Amount : $950,798

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.00124
	TOTAL POINTS	50.00124

Project Name, Number

Priority List Rank

Longport Borough
340665-01
Sewer Rehabilitation

313

County

Atlantic

Service Area

Borough of Longport

Existing Population

1,243 (year round)
6,000 (summer)

Need for Project

It was found through the SSES investigation that the sewer system of the Borough of Longport is subject to excessive infiltration. Certain sewers are aged and need replacement.

Project Description

The project involves the removal and replacement of 10,000 feet of gravity sewers, 25 manholes and 300 house laterals.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : MANSFIELD TOWNSHIP

Project No. : 340935-02 Eligible Project Cost : $147,540
FY97 RANK : 314.0
County : WARREN Total State Amount : $147,540

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.00100
	TOTAL POINTS	50.00100

Project Name, Number | Priority List Rank

Mansfield Township - Diamond Hill | 314
340935-02
I/I Correction

County

Warren

Service Area

Diamond Hill Development

Existing Population

1,000

Need for Project

The treatment plant is inundated during heavy rainfall.

Project Description

Work under this project will include, but not necessarily be limited to, minor cleaning and TV inspection of sewer lines, joint pressure testing to determine if sealing is required to eliminate infiltration, manhole sealing if required, and root removal.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : EGG HARBOR TOWNSHIP MUA

Project No. : 340353-01 Eligible Project Cost : $2,978,610
FY97 RANK : 315.0
County : ATLANTIC Total State Amount : $2,978,610

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.00087
	TOTAL POINTS	50.00087

Project Name Number

Priority List Rank

Egg Harbor Township MUA
340353-01
Collection System

315

County

Atlantic

Service Area

Harborwood and Elmwood areas

Existing Population

870

Need for Project

Both service areas presently use on site septic systems with reported random failures. These areas are also serviced by individual, private water wells.

Project Description

The Harborwood project consists of approximately 16,695 linear feet of gravity sewers, one sewage pumping station and approximately 8,350 linear feet of force main.

The Elmwood project consists of approximately 12,510 linear feet of collection sewers and appurtenances. There are no sewage pumping stations associated with this project. The existing single family homes and mobile homes can be serviced by a gravity sewer extension from an existing portion of the Egg Harbor Twp MUA sewerage facilities that were completed several years ago.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : ROOSEVELT BOROUGH

Project No. : 340761-02 Eligible Project Cost : $1,522,661
FY97 RANK : 316.0
County : MONMOUTH Total State Amount : $1,522,661

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.00085
	TOTAL POINTS	50.00085

Project Name, Number

Roosevelt Borough
340761-02
I/I Correction

Priority List Rank

316

County

Monmouth

Service Area

Borough of Roosevelt

Existing Population

894

Need for Project

The existing collection system serving the Borough of Roosevelt is very old, and is subject to an extreme amount of I/I. Replacement of the existing sewers will eliminate a portion of excessive I/I in approximately 22,000 LF of collection system serving the Borough.

Project Description

The proposed project will consist of removal and replacement of the existing VTP sanitary lines with new PVC lines to provide for watertight joints and eliminate dips. Aged manholes and portions of house connections will be replaced. Certain manholes will be treated with a bonding agent to seal the internal walls.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : STOCKTON BOROUGH

Project No. : 340962-01 Eligible Project Cost : $570,013
FY97 RANK : 317.0
County : HUNTERDON Total State Amount : $570,013

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.00063
	TOTAL POINTS	50.00063

Project Name, Number

Stockton Borough
340962-01
I/I Correction

Priority List Rank

317

County

Hunterdon

Service Area

Borough of Stockton

Existing Population

629

Need for Project

The Borough of Stockton's sanitary collection system is subject to excessive Infiltration/Inflow.

Project Description

A monitoring and metering study will be undertaken to determine the sources and quantities of infiltration and inflow. Rehabilitative measures will be developed based on the results of this study.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : WEST WILDWOOD BOROUGH

Project No. : 340626-03 Eligible Project Cost : $564,453
FY97 RANK : 318.0
County : CAPE MAY Total State Amount : $564,453

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	25	0
	SUBTOTAL	50
	State Planning Commission	.00000
	Population	.00037
	TOTAL POINTS	50.00037

Project Name, Number

West Wildwood Borough
340626-03
Infiltration/Inflow Correction

Priority List Rank

318

County

Cape May

Service Area

West Wildwood Borough

Existing Population

379
5,178 (Summer Peak)

Need for Project

The West Wildwood sewer collection system is possibly subjected to excessive amounts of infiltration/inflow. Extensive use of six inch diameter pipes, very flat slopes, high groundwater, grease and detergent buildups as well as sand infiltration all contribute to the excessive I/I.

Project Description

The rehabilitation measures proposed in alleviating the excessive I/I and unclogging the system include: cleaning, internal inspection, repair and/or replacement of damaged or deteriorated sewer pipe, manholes and house laterals.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : LANDIS SA

Project No. : 340461-05 Eligible Project Cost : $3,603,387
FY97 RANK : 319.0
County : CUMBERLAND Total State Amount : $3,603,387

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	25	25
	SUBTOTAL	25
	State Planning Commission	8.00000
	Population	.05478
	TOTAL POINTS	33.05478

Project Name, Number

Priority List Rank

Landis Sewerage Authority
340461-05
STP Influent Pump Station, Grit Chamber

319

County

Cumberland

Service Area

City of Vineland, part of Franklin Township and part of Pittsgrove Township

Existing Population

54,780

Need for Project

Facility was previously upgraded under a federal Construction Grant as Project No. C340461-02-2 and TWA SO-8-86-6073 without grit and scum removal. Under existing conditions, the influent flow is pumped twice and this is inefficient. The project will result in one central pumping facility with grit/scum removal which will improve the operational reliability of downstream treatment units.

Project Description

Construction of four (4) 60-inch diameter open flight screw pumps (archimedes screw) for a design flow of 12.2 MGD and peak of 24.3 MGD. Each screw capacity will be 8.1 MGD, with one unit as standby. Due to the efficiency of the screw pump, estimated power savings would be $10,000/yr. Metering will be by two Parshall flumes, chart recorded and mechanical barscreens. The grit/grease removal system will consist of a 3.2 x 36 meter grease removal channel and a 3.4 x 36 meter grit removal channel with the associated mechanical and aeration systems. A biofilter will be constructed to control odors from the proposed enclosed screw pumps as well as the headworks facility.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : NEW BRUNSWICK CITY

Project No. : 340437-10 Eligible Project Cost : $4,128,814
FY97 RANK : 320.0
County : MIDDLESEX Total State Amount : $4,128,814

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	25	25
	SUBTOTAL	25

State Planning Commission	7.50000
Population	.04171
TOTAL POINTS	32.54171

Project Name, Number

New Brunswick City
340437-10
Stormwater Management

Priority List Rank

320

County

Middlesex

Service Area

Approximately 400 acres in the Northern Center of the City

Existing Population

41,711

Need for Project

The purpose of the project is to reduce/eliminate upstream flooding in the areas of Drift and George Streets. Prior incidences of sewer collapse in other sections of the City and internal inspections have revealed structural deficiencies which must be addressed.

Project Description

The project involves providing internal repair and structural enhancement to the Main and West Branches of the existing Lyle Brook Culvert. Said repairs to this storm sewer will have adverse impacts on the hydraulic capacity of the system and exacerbate flooding in the areas in the vicinity of Drift Street and George Street. Accordingly, it is anticipated that a bypass pipe system will be required to handle the existing storm drain flows. In addition, any sanitary sewer laterals connected to the culvert that are discovered will be eliminated by provision of individual grinder pumps and be connected to a low pressure pipe system for discharge to the existing sanitary sewer systems of the City.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient :-WOODBRIDGE TOWNSHIP

Project No. : 340433-09 Eligible Project Cost : $1,150,235
FY97 RANK : 321.0
County : MIDDLESEX Total State Amount : $1,150,235

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	25	25
	SUBTOTAL	25
	State Planning Commission	.00000
	Population	.09309
	TOTAL POINTS	25.09309

Project Name, Number | Priority List Rank

Woodbridge Township | 321
340433-09
Stormwater/NPS Maintenance Equipment

County

Middlesex

Service Area

Township of Woodbridge

Existing Population

93,086

Need for Project

The Township is in need of equipment to clean its streets and storm sewers to prevent solids/floatables and other pollutants from entering its stormwater sewer system and being discharged to the local waterways.

Project Description

The proposed project involves the purchase of two street sweepers, one vactor unit, one sewer flusher unit and one loader for large debris removal.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : MOUNT OLIVE TOWNSHIP

Project No. : 340537-04 Eligible Project Cost : $1,233,702
FY97 RANK : 322.0
County : MORRIS Total State Amount : $1,233,702

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	25	25
	SUBTOTAL	25

State Planning Commission	.00000
Population	.02128
TOTAL POINTS	25.02128

Project Name, Number

Priority List Rank

Mount Olive Township
340537-04
Collection System

322

County

Morris

Service Area

Middle School and High School

Existing Population

21,282

Need for Project

The high school has a 25-year old package plant that is beyond its useful life and difficult to maintain. The middle school has a relatively new sequenced batch reactor treatment plant which is difficult and expensive to operate, especially at a school which does not provide a continuous flow to the sequenced batch reactor. Both treatment plants discharge to groundwater.

Project Description

A pump station and force main will be constructed to connect the high school to the Budd Lake collection system. The force main will be constructed across the school property and then follow Flanders Road for about a mile. An eight-inch gravity sewer will be constructed to connect the middle school.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : MILLBURN TOWNSHIP

Project No. : 340355-01 Eligible Project Cost : $1,972,827
FY97 RANK : 323.0
County : ESSEX Total State Amount : $1,972,827

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	25	25
	SUBTOTAL	25
	State Planning Commission	.00000
	Population	.01863
	TOTAL POINTS	25.01863

Project Name, Number

Priority List Rank

Millburn Township
340355-01
Stormwater Management

323

County

Essex

Service Area

Township of Millburn

Existing Population

18,630

Need for Project

The June 1994 Regional Report regarding flood management improvements for the East Branch and Main Stream of the Rahway River recommended several activities for implementation. The flooding in the project area has had an adverse impact on the public. It has caused physical damage to property and interruption of commercial, industrial and public activities.

Project Description

The proposed project includes the construction of low flood walls on the west side of the East Branch at Gilbert Place and a low earthen dike floodguard near Oval Road and Haran Circle and the rehabilitation of the local stormwater sewer system at the intersections of Vauxhall Road and Millburn Avenue and at Cypress Street and Millburn Avenue. Also included is stream realignment and channel improvement along the East Branch of the Rahway River between Vauxhall Road and Millburn Avenue.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : CRESSKILL BOROUGH

Project No. : 340374-01 Eligible Project Cost : $360,245
FY97 RANK : 324.0
County : BERGEN Total State Amount : $360,245

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	25	25
	SUBTOTAL	25
	State Planning Commission	.00000
	Population	.00756
	TOTAL POINTS	25.00756

Project Name, Number

Priority List Rank

Cresskill Borough
340374-01
Stormwater Management

324

County

Bergen

Service Area

Borough of Cresskill (Magnolia Avenue Area)

Existing Population

7,558

Need for Project

The Magnolia Avenue area does not drain properly during wet weather events.

Project Description

The proposed project includes the installation of a new drainage system, including the removal and replacement of existing pavement, curbs and other amenities.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : ROSELAND BOROUGH

Project No. : 340361-02 Eligible Project Cost : $1,396,910
FY97 RANK : 325.0
County : ESSEX Total State Amount : $1,396,910

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	25	25
	SUBTOTAL	25

State Planning Commission	.00000
Population	.00485
TOTAL POINTS	25.00485

Project Name, Number

Roseland Borough
340361-02
Stormwater Management

Priority List Rank

325

County

Essex

Service Area

Borough of Roseland

Existing Population

4,847

Need for Project

The Borough has determined that stormwater management improvements are necessary to correct drainage problems in the area of Birch Drive and Martha Drive.

Project Description

The Borough is currently studying options to correct the stormwater management concerns in the Birch Drive and Martha Drive areas of the municipality. The proposed project would involve the implementation of the measures needed to correct the drainage and runoff problems.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : WILDWOOD CITY

Project No. : 340664-02 Eligible Project Cost : $2,688,384
FY97 RANK : 326.0
County : CAPE MAY Total State Amount : $2,688,384

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	25	25
	SUBTOTAL	25
	State Planning Commission	.00000
	Population	.00448
	TOTAL POINTS	25.00448

Project Name, Number

Priority List Rank

Wildwood City
340664-02
Storm Sewer Rehabilitation

326

County

Cape May

Service Area

Cresse Avenue to 26th Street Beaches, City of Wildwood

Existing Population

4,484

Need for Project

The sand on the Wildwood beach has accreted approximately 1,700 feet since 1950, creating a beach front that is over a quarter mile from the Boardwalk to the water's edge. The existing outfall lines no longer extend far enough out into the ocean. Storm drain runoff, containing animal and bird excrement, washes back onto our bathing beaches. High fecal colorform counts, detected in the weekly sampling conducted by the Cape May County Health Department each summer, has confirmed unsafe condition and has resulted in beach closing. Ponding of this contaminated water occurs at the terminus of the outfall lines after each rain and the area must be plowed and leveled. The health and safety of the beach bathers have been imperiled and the beach closings produce a tremendous negative impact on tourism for many weeks thereafter.

Project Description

The ten (10) outfall lines will be retrenched, and pilings and cross-beams will be installed to support and contain the lines with 1,400 foot extensions. Trenches for the extensions will be dug during the low tide and the entire line will be re-covered with the accumulated sand.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : AVON BY THE SEA BOROUGH

Project No. : 340335-02 | Eligible Project Cost : $360,245
FY97 RANK : 327.0
County : MONMOUTH | Total State Amount : $360,245

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	25	25
	SUBTOTAL	25
	State Planning Commission	.00000
	Population	.00235
	TOTAL POINTS	25.00235

Project Name, Number

Priority List Rank

Avon By The Sea Borough
340361-01
Stormwater Management

327

County

Monmouth

Service Area

Avon By The Sea

Existing Population

2,350

Need for Project

The purpose of the project is eliminate pollutants from entering tidal waters and Sylvan Lake through the stormwater system.

Project Description

The proposed project includes the construction of a catch basin system to reduce the pollutant load into the surface waters.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : CHESTER BOROUGH

Project No. : 340876-01 Eligible Project Cost : $1,054,062
FY97 RANK : 328.0
County : MORRIS Total State Amount : $1,054,062

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	25	25
	SUBTOTAL	25
	State Planning Commission	.00000
	Population	.00121
	TOTAL POINTS	25.00121

Project Name, Number

Chester Borough
340876-01
STP Improvements

Priority List Rank

328

County

Morris

Service Area

Borough of Chester

Existing Population

1,214

Need for Project

The wastewater treatment facility needs to be upgraded to improve treatment efficiency and to prevent the carryover of solids from the plant. The wastewater disposal beds have received solids from the wastewater treatment plant and are in need of repair to improve hydraulic performance.

Project Description

Improvements to the wastewater treatment plant include a polymer feed system, flow equalization, pump replacement, clarification and miscellaneous additions.

Improvements to the disposal beds will include replacement of filter sand, stone distribution system and distribution piping.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : TETERBORO BOROUGH

Project No. : 340339-01 Eligible Project Cost : $1,219,514
FY97 RANK : 329.0
County : BERGEN Total State Amount : $1,219,514

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	0
Nutrients	0	25	50	0
Toxics	0	25	50	0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	25	25
	SUBTOTAL	25

State Planning Commission .00000

Population .00002

TOTAL POINTS 25.00002

Project Name, Number

Priority List Rank

Teterboro Borough
340339-01
Stormwater Management

329

County

Bergen

Service Area

Teterboro Airport and West Riser Ditch Storm Drainage Systems

Existing Population

22

Need for Project

The existing pump station was built in 1950 to assist two smaller pump houses which date back to 1917. Currently all three pumps are in operation and the system is in need of repair.

Project Description

The proposed project is to extend the two existing 60-inch diameter storm trunk mains to a new pump house constructed with an emergency generator and a variable speed pumping system. Also included is the abandonment and demolition of the two 1917 pump houses and alterations associated with the riser ditch and bulkhead.

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