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PRIORITY SYSTEM, PROJECT PRIORITY LIST AND RESPONSIVENESS SUMMARY FOR FEDERAL FISCAL YEAR 1989

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MUNICIPAL WASTEWATER ASSISTANCE ELEMENT

New Jersey Department of Environmental Protection/Division of Water Resources

Let's protect our earth

State of New Jersey
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES
CN 029
Trenton, N.J. 08625-0029

George G. McCann, P.E.
Director

FEDERAL FISCAL YEAR 1989
PRIORITY SYSTEM AND PROJECT PRIORITY LIST

The New Jersey Department of Environmental Protection has completed the development of the Federal Fiscal Year 1989 Priority System 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 1989 and the award of State loans in State Fiscal Year 1990. The Intended Use Plan (IUP) proposal is currently under review by the United States Environmental Protection Agency as a component of the capitalization grant application process. The IUP 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 1990. Projects will be funded with the monies anticipated to be allocated to the State of New Jersey in Federal Fiscal Year 1989 (approximately $75 million), unobligated Federal Fiscal Year 1987 grant monies, and funds made available from the New Jersey Wastewater Treatment Financing Program in State Fiscal Year 1990.

As a result of New Jersey's plan to use up to 100 percent (the maximum amount permitted under the Water Quality Act of 1987) of the Federal Fiscal Year 1989 allotment for State Revolving Fund (SRF) purposes in State Fiscal Year 1990, the award of grants for new project segments is no longer available. Grant increases will be awarded in Federal Fiscal Year 1989 to provide funding based on the low bid building cost for 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 1990.

Certain changes have been 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 Federal Fiscal Year 1989 Responsiveness Summary. The following revisions have been included in the adopted Federal Fiscal Year 1989 Priority System/List:

1. Projects ranked two, five, twenty-eight, thirty-three, forty-two, forty-three, forty-six, forty-nine, fifty-two, fifty-five, sixty-four, seventy, one hundred nine, one hundred forty-nine, one hundred fifty-four, one hundred sixty-six, one hundred ninety-four, two hundred twenty-two and three hundred five on the Proposed Federal Fiscal Year 1989 Project Priority List have been removed as a result of the execution of federal grant or State loan agreements. Also, project C340384-03, Musconetcong Sewerage Authority, which was unranked on the List, was awarded a federal grant and removed from the List.

2. Projects whose local unit's authorized representative indicated their intent to comply with the project document submittal deadlines established in the Proposed Federal Fiscal Year 1989 Priority System by the close of the public comment period are identified as eligible for State Fiscal Year 1990 loan awards on the final Federal Fiscal Year 1989 Project Priority List.

3. Further clarification has been included in the Priority System describing the priority order for funding projects under the reserve for grant increases.

The public comments concerning the development of the Federal Fiscal Year 1989 Priority System, Intended Use Plan and Priority List have been particularly helpful. We wish to thank all of the individuals and organizations that have taken the time to assist the Department in developing this very important aspect of our clean water program.

Sincerely,

Jorge H. Berkowitz, Ph.D
Acting Director

Enclosures

March 1989

MUNICIPAL WASTEWATER ASSISTANCE ELEMENT
FEDERAL FISCAL YEAR 1988 GRANT ACTIONS

NEW GRANT AWARDS

Grant Number	Grantee	Amount		Award Type
C340384-03	Musconetcong SA	$11,688,435	(1)	New Grant
C340871-01	Gibbsboro Borough	$ 1,704,793		New Grant
C340828-01	Montgomery Township	$ 217,669		New Grant
C340661-09	Cape May County MUA	$ 1,191,530		Reobligation
C340389-08	Rockaway Valley RSA	$ 1,744,838		Reobligation
C340406-07	Sussex County MUA	$ 827,271		Reobligation
C340714-04	Ocean County UA	$ 272,237		Reobligation
	TOTAL	$17,646,773		

FUNDED INCREASES

Grant Number	Grantee	Amount		Award Type
C340451-03-1	Carteret Borough	$ 461,173		Increase-bids
C340447-02-1	City of Elizabeth	$ 1,501,873		Increase-bids
C340461-02-3	Landis SA	$ 2,165,772	(2)	Increase-bids
C340682-01-3	Linden Roselle SA	$ 97,397		Reobligation
C340372-03-A	Ocean County UA	$ 430,567		Reobligation
C340714-01-4	Ocean County UA	$ 30,000		Reobligation
C340416-04-1	Trenton City	$ 1,170,345		Reobligation
C340416-07-1	Trenton City	$ 624,892		Reobligation
C340387-07-1	Cape May County MUA	$ 82,103		Reobligation
C340356-01-7	Ocean County UA	$ 306,773		Reobligation
C340372-15-1	Ocean County UA	$ 116,498		Reobligation
C340371-01-6	Ocean County UA	$ 356,359		Reobligation
C340461-02-4	Landis SA	$ 3,632,148	(3)	Increase
C340390-04-3	Wanaque VRSA	$ 1,053,546	(4)	Reobligation
C340708-06-2	Camden County MUA	$ 1,085,071		Increase-bids
C340732-02-1	Cape May County MUA	$ 194,834		Increase-bids
C340672-02-1	Old Bridge MUA	$ 461,022		Increase-bids
C340399-18-1	Hudson County UA	$ 494,424		Increase-bids
C340607-02-1	Bordentown SA	$ 784,106		Increase-bids
C340714-03-2	Ocean County UA	$ 3,768,238	(5)	Increase-bids
C340399-07-1	Hudson County UA	$ 3,270,962	(6)	Increase-bids
	TOTAL	$ 22,088,094		

Notes:

(1) IOU for Alternative Funding of $762,157.
(2) IOU for Alternative Funding of $961,147 and Innovative Funding of $102,388.
(3) IOU for Alternative Funding of $1,338,327 and Innovative Funding decrease of $22,140 for advanced treatment portion of base grant.
(4) Increase awarded per Water Quality Act of 1987.
(5) Innovative Funding to satisfy I.O.U. made in FFY87.
(6) Innovative Funding to partially satisfy I.O.U. made in FFY87. I.O.U. for Innovative Funding of $1,626,384 remains.

MUNICIPAL WASTEWATER ASSISTANCE ELEMENT
FEDERAL FISCAL YEAR 1988 GRANT ACTIONS

DECREASES

NUMBER	GRANTEE	AMOUNT	AWARD TYPE
C340372-09-2	Ocean County UA	$ 3,069	Decrease-bids
C340433-06-1	Woodbridge Township	$ 1,356,273	Decrease-bids
C340326-03-1	Middlesex County UA	$ 449,267	Decrease-bids
C340486-07-1	North Haledon Borough	$ 379,723	Decrease-bids
C340433-05-1	Woodbridge Township	$ 1,612,691	Decrease-bids
C340412-03-1	Township of Ocean SA	$ 442,088	Decrease-bids
C340605-02-1	Helmelta Borough	$ 48,929	Decrease-bids
C340412-05-1	Deal Borough	$ 140,228	Decrease-bids
C340387-05-3	Cape May County MUA	$ 327,416	Deobligation
C340299-03-1	Linden Roselle SA	$ 37,397	Deobligation
C340299-01-4	Linden Roselle SA	$ 60,000	Deobligation
	TOTAL	$ 4,857,081	

STATE FISCAL YEAR 1989 LOAN ACTIONS

PROJECT NUMBER	LOAN RECIPIENT	PRINCIPAL AMOUNT		AWARD DATE
S340467-05	Montville Township MUA	$ 2,478,154		12/1/88
S340449-03	Town of Newton	$ 6,510,744		12/1/88
S340523-03	Caldwell Borough	$ 16,597,650		12/1/88
S340785-03	Livingston Township	$ 14,562,034		12/1/88
S340717-03	Cedar Grove Township	$ 5,415,454		12/1/88
S340533-03	Verona Borough	$ 15,568,000		12/1/88
S340715-02-A	Madison Borough	$ 8,280,020		12/1/88
S340715-02-B	Chatham Borough	$ 4,864,738		12/1/88
S340580-03	Town of Phillipsburg	$ 15,193,896		12/1/88
S340376-03	Town of Morristown	$ 24,308,000		12/1/88
S340536-03	East Windsor MUA	$ 18,876,774		12/1/88
S340407-01	Town of Newton	$ 1,163,478		12/1/88
NJL 485-03	Raritan MUA	$ 9,035,000		12/1/88
NJL 656-02-A	Princeton Borough	$ 5,404,240		12/1/88
NJL 656-02-B	Princeton Township	$ 5,404,240		12/1/88
NJL 365-05	Wayne Township	$ 5,816,000		12/1/88
NJL 632-03	Randolph Township MUA	$ 3,363,060		12/1/88
NJL 381-04	Roxbury Township	$ 8,099,834		12/1/88
NJL 466-04	Denville Township	$ 11,757,126		12/1/88
NJL 502-02-1	Carneys Point Township SA	$ 1,500,000	(1)	12/1/88
NJL 381-03-1	Roxbury Township	$ 6,249,110	(1)	12/1/88
	TOTAL	$190,447,552		

Notes:

(1) Supplemental loans due to receipt of bids higher than anticipated.

PRIORITY SYSTEM, PROJECT PRIORITY LIST
RESPONSIVENESS SUMMARY
FOR FEDERAL FISCAL YEAR 1989

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RESPONSIVENESS SUMMARY

LIBRARY INFORMATION CENTERS

ATLANTIC COUNTY

Atlantic County Library
2 S. Farragut Road
Mays Landing, NJ 08330

BERGEN COUNTY

Johnson Free Public Library
275 Moore St
Hackensack, NJ 07601

BURLINGTON COUNTY

Burlington County Library
Woodlane Road
Mt. Holly, NJ 08060

CAMDEN COUNTY

Camden County Library
Reference Department
Echelon Urban Center
Laurel Road
Voorhees, NJ 08043

CAPE MAY COUNTY

Cape May County Library
Boyd & Mechanic St.
Cape May Court House, NJ

CUMBERLAND COUNTY

Cumberland County Library
800 E. Commerce St.
Bridgeton, NJ 08302

ESSEX COUNTY

Newark Public Library
5 Washington St.
Newark, NJ 07102

GLOUCESTER

West Deptford Public Library
Grove Ave. & Crownpoint Rd.
Thorofare, NJ 08086

HUDSON COUNTY

Jersey City Free Public Library
472 Jersey Avenue
Jersey City, NJ 07302

HUNTERDON COUNTY

Hunterdon County Library
Rt. 12
Flemington, NJ 08822

MERCER COUNTY

Trenton Free Public Library
120 Academy St.
Trenton, NJ 08609

MIDDLESEX COUNTY

Woodbridge Free Public Library
George Frederick Plaza
Woodbridge, NJ 07095

MONMOUTH COUNTY

Monmouth County Library
Highway #35 - Eastern Branch
Shrewsbury, NJ 07701

MORRIS COUNTY

Morris County Free Public Library
30 E. Hanover St.
Whippany, NJ 07901

OCEAN COUNTY

Ocean County Library
101 Washington Street
Toms River, NJ 08753

PASSAIC COUNTY

Paterson Free Public Library
250 Broadway
Paterson, NJ 07501

SALEM COUNTY

Salem City Free Public Library
112 W. 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 Free Public Library
11 S. Broad St.
Elizabeth, NJ 07202

WARREN COUNTY

Phillipsburg Free Public Library
200 Frost Avenue
Phillipsburg, NJ 08865

PRIORITY SYSTEM

NEW JERSEY STATE LIBRARY

Priority System for Federal Fiscal Year 1989

New Jersey Municipal Wastewater Assistance Program

Executive Summary

The New Jersey State Department of Environmental Protection (Department) has developed a Priority System to rank municipal water pollution control projects for State funding which, with the exceptions as herein described, is in conformance with the Priority System adopted for Federal Fiscal Year 1988 (FFY88). The Priority System is compatible with the Federal Clean Water Act as amended. The resulting Project Priority List is designed for the use of any unobligated grant monies available to New Jersey's State Revolving Fund, the anticipated FFY89 allotment and funds made available from the New Jersey Wastewater Treatment Financing Program in State Fiscal Year 1990 (SFY90).

New Jersey's plan is to channel up to 100 percent of the State's FFY89 allotment (the maximum amount permitted under the Water Quality Act of 1987) as a capitalization grant to the Wastewater Treatment Fund administered by the Department, to be used for State Revolving Fund purposes in SFY90 (i.e., July 1, 1989 through June 30, 1990). The details of New Jersey's activities with the federal capitalization grant in the State's Wastewater Treatment Financing Program are discussed further in this document and in the attached Intended Use Plan.

Since 1972 greater than $2.3 billion in federal funds have thus far been obligated in the State for the construction of wastewater treatment works. Yet, the 1986 National Needs Survey for New Jersey reports that $3.3 billion of new investment in wastewater treatment projects in current needs is required throughout the State to allow economic growth, improve water quality and meet clean water standards. In recognition of these significant needs and the availability of limited and ever decreasing federal funds, the State moved to implement an alternative financing program to supplement the water quality progress being made through the federal funding program. In November 1985, the New Jersey Electorate overwhelmingly approved a bond issue of $190 million for the purpose of providing low interest loans to local government units for the construction of wastewater treatment facilities. As provided by the "Wastewater Treatment Bond Act of 1985" (P.L. 1985, c.329), $40 million of the $190 million is allocated for payment to and use by the "New Jersey Wastewater Treatment Trust" and $150 million to the Wastewater Treatment Fund in providing financial aid to local government units

for the c· struction of wastewater treatment facilities. The "New Jersey Wastewater Treatment Trust Act" (P.L. 1985, c.334) indicates that the list of projects to receive assistance from this program shall be developed in conformance with the federal Construction Grants ranking methodology. Therefore, those local government units who wish to pursue financial (loan) assistance in SFY90 are required to be placed and ranked on the federal Project Priority List (List) for FFY89.

By July 22, 1988 (the end of the public comment period), local government units listed or eligible for listing on the Proposed Federal Fiscal Year 1989 Project Priority List were required to advise the Assistant Director, Municipal Wastewater Assistance Element (in writing, with a copy to Acting Assistant Director, Wastewater Facilities Management Element) whether they intended to commit to meet the established planning, design and application deadlines of October 31, 1988, January 30, 1989 and March 1, 1989, respectively. Failure of the local government unit to advise the Assistant Director, Municipal Wastewater Assistance Element in writing of their commitment to the established project document submittal schedule by the close of the comment period for the Proposed Priority System, Intended Use Plan and Project Priority List, shall be interpreted by the Department as a decision by the local government unit to not pursue funding in SFY90 which results in those projects being bypassed on the FFY89 Project Priority List.

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, documentation of completed public participation activities, and the results of preliminary coordination activities with lead agencies regarding environmental concerns. In addition, as part of the planning documentation submittal, proof of a final NJPDES permit or a Discharge Allocation Certificate for the project 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.

Please be advised for FFY90 and SFY91 it is anticipated that the planning deadline will be July 3, 1989 and the design deadline will be January 16, 1990. The Department further intends by October 16, 1989 to notify project sponsors of their eligibility to continue in the design phase based upon the acceptability of the planning documentation submittal of July 3, 1989. Failure to comply with the planning requirements shall result in the bypassing of the project for the SFY91 loan cycle.

* * *

Water Quality Act of 1987

Several substantial changes have been made to the overall Municipal Wastewater Assistance Program which had an impact on the development of this year's Priority System. These changes were established by the Water Quality Act of 1987 (amendments to the federal Act). The following is a listing of the major changes in the New Jersey Municipal Wastewater Assistance Program that affected the development of the State's FFY89 Priority System and funding policies:

A. A new title (Title VI - State Water Pollution Control Revolving Funds) was added to the Clean Water Act establishing the policies and procedures governing the use of federal monies for State Revolving Fund (SRF) purposes. Of particular note, these policies and procedures of the United States Environmental Protection Agency (USEPA) include:

1. The fund created with federal capitalization grants shall be used to provide assistance for the construction of publicly owned treatment works, as well as for the implementation of a non-point source management program and the development and implementation of an estuary conservation and management plan. However, all funds in the SRF as a result of federal capitalization grants (i.e., capitalization grants, the State match, interest, and initial repayments from loans made from these grants, and leveraging proceeds from the federal capitalization grant, but not proceeds from State monies in excess of the match) must first be used to assure maintenance of progress towards compliance with the enforceable deadlines, goals and the requirements of the Clean Water Act.

2. The schedule of State capitalization grant payments shall be jointly agreed upon by the Administrator of USEPA and each state and shall be based upon the State's Intended Use Plan and the anticipated binding commitment schedule therein. 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.

3. Wastewater treatment project categories eligible for assistance from the State Revolving Fund (SRF) established with the federal capitalization grant are limited to secondary treatment (including sludge treatment and disposal), advanced (more stringent) wastewater treatment, infiltration/inflow correction and new interceptors and appurtenances. However, since additional State monies (including the required 20 percent match) are anticipated to be made available in SFY90, project categories that would not be eligible under the federal requirements may be eligible under New Jersey's Wastewater

Treatment Financing Program. These categories include collection systems, major sewer system rehabilitation, and correction of combined sewer overflow projects. As required by the Act, an amount equivalent to the federal capitalization grant to be provided to New Jersey must be used for federally eligible project categories (although the Governor's Discretionary Fund will further allow up to 20 percent of the federal funds to be used for otherwise ineligible categories).

4. 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 shall be credited to the SRF (principal and interest) for other projects. The recipient of a loan must establish a dedicated source of repayments. The Act also authorizes the use of federal SRF monies to refinance local debt obligations, provide guarantees or purchase insurance.

5. States were given the option to use up to 50 percent of its FFY87 allotment, up to 75 percent of its FFY88 allotment and up to 100 percent of its FFY89 allotment for State Revolving Fund purposes. The governor of a state must notify the Administrator of the state's intent to use a portion of its Title II allotment for Title VI purposes. This is consistent with the Water Quality Act of 1987 authorization schedule which establishes the transition from the construction grant program into a loan program through FFY94 to promote the development of self-sufficient state financing programs.

B. The USEPA Administrator shall reserve each fiscal year, before allotment to the states, one-half of one percent of the sums appropriated under the Water Quality Act of 1987 for grants for the development of waste treatment management plans and for the construction of sewage treatment works to serve Indian tribes. Additionally, the Water Quality Act of 1987 establishes a new national reserve for the implementation of the National Estuary Program.

C. States must reserve the greater of $100,000 or one percent of its annual allotment for the development and implementation of non-point source pollution management programs.

D. The USEPA Administrator is authorized to make a grant to fund all of the costs of the modification or replacement of biodisc equipment (RBCs) in any publicly owned treatment works if the USEPA Administrator finds that such equipment has failed to meet its design performance specifications, (unless such failure is attributable to negligence on the part of any person) and if such failure has significantly increased capital or operation and maintenance expenditures.

E. Before taking final action on any plans, specifications and estimates, the USEPA Administrator shall enter into a written agreement with the applicant which establishes and specifies which items of the proposed project are eligible for federal grant payments.

F. The 1987 amendments specifically identified that 75 percent grants are to be made available to the Wanaque Valley Regional Sewerage Authority from funds allotted to the State of New Jersey for the construction of treatment works with a capacity of 1,050,000 gallons per day (including a module with capacity of 350,000 gallons per day).

Other Federal Grant Program Requirements

Also, as in previous years (as per the provisions of the 1981 amendments to Title II of the Act and subsequent federal regulations):

G. Grant funding levels dropped from 75 percent to 55 percent after October 1, 1984.

H. After October 1, 1984, the categories eligible for grants include secondary and advanced treatment plants (categories 1 and 2), interceptors (category 4B) and infiltration/inflow correction (category 3A) projects. New collection systems (category 4A), sewer system replacements (category 3B) and combined sewer overflow correction (CSO-category 5) projects are not eligible after October 1, 1984. However, at the request of the governor, a state may use up to 20 percent of its annual allotment after October 1, 1984 for otherwise ineligible categories (i.e., the "Governor's Discretionary Fund"). In addition, the federal regulations further indicate that CSO projects may be funded in excess of 20 percent of the annual allotment, if requested by the governor, in cases where it is documented that these projects are necessary to improve existing impaired uses of receiving waters for fishing and swimming. Finally, it should also be noted that section 201(n)(2) of the Act establishes a separate funding mechanism for addressing impaired uses or public health risks resulting from CSOs in marine bays and estuaries. A total of four New Jersey projects were approved by the USEPA under the 201(n)(2) marine CSO program in Federal Fiscal Years 1984 and 1985.

I. After October 1, 1984, reserve capacity for new treatment works is not eligible for grant reimbursement. Eligible capacity is limited to needs existing on the date of the step 3 (construction) grant award, or 1990, whichever is earlier. However, if a project segment was funded prior to October 1, 1984 (for primary, secondary or advanced treatment, I/I correction or interceptors), then remaining segments may be eligible for 20 year reserve capacity (for interceptors partially funded (step 3) before December 29, 1981, 40 year capacity may be eligible).

The February 17, 1984 federal regulations include additional information regarding grandfathering of reserve capacity funding.

J. No new step 1 (planning) or step 2 (design) grants may be awarded (since December 29, 1981). The applicable allowance to offset some of the planning and/or design costs is provided at the time a construction (step 3) grant is given. Federal regulations governing this allowance are included as Appendix B to 40 CFR Part 35 Subpart I, issued February 17, 1984.

K. Notwithstanding item K above, states can reserve up to 10 percent of their annual allocations as advances to small communities that would otherwise be unable to afford the planning or design costs on their own. Small communities are presently defined as communities with a population of less than 3,500 or as otherwise defined by the state.

L. At least four percent (to a maximum of seven and one-half percent) of the State's Title II monies must be reserved to award bonuses for innovative or alternative treatment works (at least one-half percent must be spent on innovative systems). Innovative systems are defined as improved wastewater treatment systems that result in substantial life cycle cost savings or significant environmental benefits. Alternative systems are generally wastewater treatment systems which utilize land as a part of the treatment process (e.g., spray irrigation or composting systems).

M. Up to four percent of the state's annual monies can be used for managing the state's funding programs and certain other state water pollution control programs.

N. A minimum of $100,000, up to a maximum of one percent of the allocation, must be used for water quality management planning. This can include any studies necessary to identify solutions or implement plans to meet water quality standards or to determine the nature and extent of water quality problems (e.g., studies necessary to develop wasteload allocations could be conducted with the planning monies).

O. No mandatory reserve for project cost increases is required.

P. There is an increased emphasis to achieve optimum water quality management consistent with state and federal water quality goals and to meet the enforceable requirements of the Clean Water Act and its amendments. The major criteria required in the development of priority systems is the need to give high priority to those projects that provide for water use restoration and public health improvement.

Grant and Loan Program Highlights

As a result of changes in the Clean Water Act and the federal regulations, several changes in the funding program have been included in New Jersey's Federal Fiscal Year 1989 Priority System. In summary, the following highlights the provisions of New Jersey's Federal Fiscal Year 1989 Priority System:

1. Grant funding for new project segments is no longer available.

   Grant amendments will be awarded in Federal Fiscal Year 1989 to cover the low bid building cost* (i.e., no cost overruns or contingencies), administrative/fiscal/legal costs (limited to one percent of the total eligible low bid building cost), engineering costs, as well as the appropriate allowance. Once the grant is adjusted as a result of the low bid building cost, and should cost underruns occur during construction which result in grant funds remaining after the completion of construction, budget line item changes may be approved for cost overruns in other cost categories only to the extent that the remaining low bid adjusted grant funds will allow. In this case, administrative/legal/fiscal costs will not be limited to one percent of the final building cost, but a greater eligible amount could be approved should sufficient funds remain in the grant and if sufficient justification and documentation for the higher eligible costs are submitted and approved. Grantees are reminded that administrative/legal/fiscal services, if not provided by the grantee's own staff, are subject to the federal procurement requirements of 40 CFR Part 33.

2. In anticipation of the reauthorization of the Clean Water Act and the inevitable transition of a grants to loan program, New Jersey has established its Wastewater Treatment Financing Program (initially capitalized with $190 million in State general obligation bonds). The regulations governing the program, N.J.A.C 7:22-3.1, 4.1, 5.1, and 10.1 et seq., have been developed to be generally consistent with and complement the federal regulations. The following is a listing of the major policy items therein:

   a. The recipient's loan assistance will be limited to the cost of the project with a capacity based upon flow records, existing documented unsewered needs and flows anticipated prior to the date of initiation of operation as established in the loan agreement (rather than limiting funding as of the date of grant award, as under the federal grant program). In no case, however, shall the allowable capacity for existing systems

* The "low bid building cost" as discussed throughout this document is the actual bid cost from the lowest responsive and responsible bidder.

exceed 120 gallons per capita per day. Design flows of 70 gallons per capita per day plus a reasonable allowance for infiltration (100 gallons per day per inch diameter per mile of new sewer or less) or 75 gallons per capita per day, whichever is less, shall be allowable for existing unsewered needs and for collection systems being built between the date of the loan award and the date of initiation of operation.

For any project proposing reserve capacity in excess of that provided by this section, all incremental costs shall be paid by the recipient. Incremental costs include all costs which would not have been incurred but for the additional excess capacity (that is, any cost in addition to the most cost effective alternative with allowable capacity as described above).

b. Planning and design costs of the project are not eligible for loan awards from the New Jersey Wastewater Treatment Financing Program. However, an allowance to assist in defraying the planning and design costs shall be provided to a project as a percentage of the allowable building cost at the time of receipt of a loan for construction of the project.

c. State loan funding for new project segments will be awarded in SFY90 for up to 100 percent of the allowable project costs to cover the low bid building cost (i.e., no cost overruns or contingencies), administrative/fiscal/legal costs (limited to one percent of the total low bid building cost), engineering costs, as well as the appropriate allowance. However, the initial loan amount is limited to the lesser of (1) the estimated eligible project cost identified on the State Priority List 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) shall be made only after all project-related contracts have been awarded. Consideration will be given to provide warranted loan increases due to low bid adjustment subject to the New Jersey Wastewater Treatment Trust's approval, legislative approval in the form of an appropriations bill(s) providing such loan monies and the availability of subsequent federal capitalization grants to the State. As a result of this policy, 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 dollar change. Should cost underruns occur which result in loan 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 limited to one percent of the final building cost, but a greater amount could be approved should sufficient funds remain in the loan and if sufficient

justification and documentation for the higher costs are submitted and approved.

d. Certain projects are eligible to receive pre-award approvals provided the requirements of the regulations (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 loan agreements. However, to maintain the eligibility of such costs, project planning (including the appropriate environmental documentation), design and contract documents must be reviewed and approved by the Municipal Wastewater Assistance Element (including authorization to advertise and award contracts for which reimbursement is sought) as well as securing all permits and approvals for the construction of the project.

e. Project sponsors should be aware that 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 sections 637(a) and 637(d) of the Small Business Act (15 U.S.C. 637(a) and (d)), and any regulations promulgated pursuant thereto. The Department's SED regulations (N.J.A.C. 7:22-9.1 et seq.), identifies the minority and women business enterprise (MBE/WBE) utilization requirements that recipients will have to meet.

3. State loans will only be awarded to distinct project segments that will result, in itself, in an operable treatment works (i.e., not relying on award of funds for additional portions of the project).

   In addition to the above, the Clean Water Act, and USEPA's National Municipal Policy mandates that all wastewater treatment facilities must meet water quality standards by July 1, 1988. Financial assistance awards cannot be made to such projects whose construction schedule will exceed the July 1, 1988 deadline unless a federal or State court-sanctioned order or State administrative order (only accepted in certain cases) specifying a compliance schedule beyond the July 1, 1988 date has been established. The financial assistance may then be awarded, with the project schedule in compliance with the order. A copy of the judicial or administrative order will be required at the time of submittal of the loan application.

4. The format of the priority list has been revised from those of previous years to combine the I/A section of the list within the regular projects section. This revision has been made since I/A funds will be used to fulfill funding commitments to previously funded federal I/A grant projects, and since the State's loan/SRF program does not include the requirement to award I/A bonuses.

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 total estimated eligible building costs, the related construction services (i.e., administrative, legal, engineering, inspection, one year start-up services, etc.) and the appropriate allowance. The figure under the "Total State Share" column includes 100 percent of the total eligible project costs and the applicable planning and design allowance for State loan projects. The Federal Fiscal Year 1989 Project Priority List and its revised format serves several purposes:

a. It identifies the anticipated loan fundable range of the priority list for State Fiscal Year 1990 (assuming $97.76 million in federal funds to New Jersey with up to 100% channelled to the SRF).

b. By collapsing the I/A projects within the general list, each project's relative ranking is clearly identified.

c. By listing all projects together, a more complete indication of the State's actual water quality needs is presented.

5. In order to channel the federal allocations to the State's Wastewater Treatment Financing Program and thus to the State's highest priority water improvement projects, the Governor's Discretionary Fund for Federal Fiscal Year 1989 will be utilized to provide funding to otherwise ineligible categories of need and will include:

   For grant awards: In terms of the CSO projects, only those CSO projects receiving previous grant awards in FFY84 and FFY85 under the National Marine CSO Program would be eligible to receive grant amendments for low bid adjustments on marine combined sewer overflow projects. Grant amendments for Public Health Hazard (PHH) Bypass projects to provide funding based on the low bid building cost will also be made in FFY89. However, no more than $1 million will be awarded to PHH Bypass and Marine CSO projects.

   For (SRF) loan awards: construction of new collection systems and appurtenances (category 4A), correction of CSO projects (category 5) and major sewer system rehabilitation (category 3B). As allowed by the Act, up to 20 percent of the State's FFY89 allotment may be used for these otherwise ineligible categories. In addition, since up to 20 percent of the FFY89 SRF allotment may be used for these categories, the 20 percent Governor's Discretionary Fund will be taken into consideration in determining the funding requirement of the SRF program.

6. The Innovative/Alternative project grant funding bonus will be awarded at the 20 percent level to provide I/A grant increases to cover low bid adjustments for the applicable portions of the

project, raising the base grant award from 55 percent to a maximum of 75 percent grants. (10 or 20 percent Innovative/ Alternative bonuses will be awarded for qualifying components of projects with 75 or 65 percent previous base grant awards, respectively.)

7. The Federal Fiscal Year 1989 Priority System includes the same reserve fund programs as adopted under the Federal Fiscal Year 1988 System, including the: Grant Increase Reserve, State Management Assistance Grant Reserve, Innovative/Alternative Technology Bonus Reserve, Advance of the Allowance to Small Communities Reserve and the Reserve for Water Quality Management Planning. These reserve fund programs, and the methodology to award funds from these reserves, are presented in Section VI of this document. As a result of changes in the federal and State funding programs, however, policies regarding certain of these reserves have been significantly revised. Specific details of these changes are also discussed within Section VI.

8. The grant increase policy is consistent with the policy as adopted in the FFY82-88 Systems. Grants awarded since FFY82 are limited to the low bid building cost (i.e., grants will be adjusted to the 65 or 55 percent level, in conformance with the applicable grant award level). Grants awarded prior to Federal Fiscal Year 1982 (at the 75 percent level) are eligible for grant increases based upon the overall base grant amounts (i.e., the total of all previous awards, excluding any Innovative/Alternative bonuses). The amount of the increase will be equivalent to the amount necessary to increase the overall grant to 65 percent of the eligible costs. It should, however, be noted that grant increases for pre-FFY82 awards (i.e., 75 percent grants) and post-FFY82 awards may be further limited as a result of the Federal regulations, effective February 10, 1986, which establishes a five percent limit on allowable grant increase awards for each contract of a project.

9. As in past years, the Department will continue its policy to evaluate the progress of projects within the fundable range on a periodic basis. The Department is continuing to implement the project schedule deadline policy, requiring anticipated loan recipients to submit all planning documents by October 31, 1988, design documents by January 30, 1989 and a complete loan application package by March 1, 1989. It should be noted, should the anticipated start-up date be beyond July 1, 1988, that a court-sanctioned (or administrative order, if acceptable), will be required at the time of submittal of the loan application. Where a project is not on schedule or does not meet the planning, design, or loan application submittal deadlines, the Department may defer the project's funding date to a future fiscal year, and may award monies to a lower ranked project that is ready to proceed. This policy is further discussed in Section V of this document.

Note that it is the Department's intent to establish planning and design document submittal deadlines of July 3, 1989 and January 16, 1990 respectively under the FFY90 Priority System (for SFY91 funding consideration). The Department further intends by October 16, 1989 to notify project sponsors of their eligibility to continue in the design phase based upon the acceptability of the planning documentation submittal of July 3, 1989. Failure to comply with the planning requirements shall result in the bypassing of the project for the SFY91 loan cycle.

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, documentation of completed public participation activities, and the results of preliminary coordination activities with lead agencies regarding environmental concerns. In addition, as part of the planning documentation submittal, proof of a final NJPDES permit or a Discharge Allocation Certificate for the project 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.

10. As required by the federal regulations, 20 year reserve capacity eligibility for new project segments will be limited to those projects that have received step 3 grants prior to October 1, 1984 for construction of a primary, secondary or advanced treatment facility or interceptors included in the facilities plan (or 40 year reserve capacity for remaining interceptors if a grant for an interceptor has been awarded prior to December 29, 1981).

    Grants for all other projects will be based on the capacity necessary to serve existing needs as of the date of the step 3 grant award or final plan and specification approval for 2 + 3 grants. It should be noted that 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. As required by Environmental Protection Agency guidance, in no case will a federal grant be awarded for a project with less than 5 years reserve capacity. However, all incremental costs of reserve capacity beyond the needs existing on the date of federal grant award or final 2 + 3 approvals shall be borne by the grantee.

* * *

The Project Priority List is developed through consideration of a segment category which ranks projects in accordance with the water quality improvements that will be achieved considering the existing water quality conditions, and a discharge category which ranks

projects on the basis of the degree of water pollution problems associated with the existing wastewater discharge. 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. Equivalent total scores are ranked in accordance with the population served by the particular project (i.e., the greater the population, the higher the rank). Each project has been subdivided into operable segments which are independently ranked for water quality impacts and discharge conditions.

The segment category assigns points to projects to reflect the existing water quality conditions that are impacted by each project segment. In addition, the segment category also assigns priorities, in descending order, to projects that adversely impact potable water supplies, primary recreation and shellfish areas, trout production and maintenance areas, public nuisances, nontrout areas, industrial and agricultural water uses. The water quality conditions assign highest priority to areas experiencing unsatisfactory dissolved oxygen and fecal coliform impacts, with lower values for elevated nutrients and toxic substances.

The discharge category assigns highest priority to primary discharges followed by routine raw sewage overflows from inadequate sewer systems, and then inadequate secondary discharges. Sludge treatment and disposal, and new wastewater systems have lower points, followed by projects to upgrade from adequate secondary treatment to advanced wastewater treatment. The lowest value is assigned to infiltration/inflow (I/I) correction projects which do not result in direct water quality impacts and to correction of Combined Sewer Overflow (CSO) 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 hearings/public participation program are included on the final Federal Fiscal Year 1989 Priority List.

The Department holds public hearings to ensure that municipalities are adequately notified of the changes to the State's Municipal Wastewater Assistance Program that impact their project(s), and to afford municipalities and the public the opportunity to provide specific comment regarding the Federal Fiscal Year 1989 Priority System, Intended Use Plan and Project Priority List proposal.

PRIORITY SYSTEM METHODOLOGY FOR FEDERAL FISCAL YEAR 1989

New Jersey Municipal Wastewater Assistance Program

I. "Water Use/Water Quality" Segment Priorities

As in Federal Fiscal Year 1988, the Federal Fiscal Year 1989 Project Priority System evaluates wastewater treatment projects individually for their anticipated impacts on existing and potential water uses in combination with present water quality conditions. All wastewater treatment projects eligible for financial assistance are included in this water use/water quality ranking. Each project which is known 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 State 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. 7:9-4.1 et seq.).

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 NJDEP 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 upstream of Trenton as this body is widely used for primary recreation purposes.

- Public Nuisance: This category was included to deal with the problem of 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: This includes surface waters 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: Points were awarded to a project when surface waters were known to be used for industrial cooling and/or process purposes.

An evaluation of existing water quality conditions followed the water use determinations. Surface water quality of the streams within the project's service and planning area, along with receiving waters of a project's treatment plant 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 given 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 shown 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 effect the established water use. Though municipal treatment plants contribute a large amount of nutrients to the State's water bodies, non-point 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 to nutrients only if the surface waters involved significantly impact the following:

- potable water 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 non-point 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" sub-ranking).

The segment points were not awarded to projects where an impact on water quality could not be identified. An example of such a project would be a sewer rehabilitation project which currently does not result in raw discharges and the treatment plant being affected is meeting required discharge limits.

II. Project Discharge Priorities

To assign discharge priority scores, each project was subdivided into distinct project segments. The individual segments received the discharge points based upon the existing water quality impacts associated with each segment. Therefore, a comprehensive project for upgrading an existing inadequate secondary discharge, upgrading a facility within the service area to provide advanced waste treatment 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 describe the existing situation, and 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 (e.g., a project to construct regional conveyance and to upgrade a 10 MGD wastewater treatment system to correct an inadequate secondary discharge, which will result in the elimination of a 0.1 MGD primary plant, would be awarded 200 points).

1. Primary Treatment Discharges (500 points) - The purpose of the projects in this category is to eliminate existing raw and primary discharges. Projects in this category also include the wastewater treatment facility which provides the capacity for the elimination of these existing discharges and for sufficient reserve capacity, where eligible, based upon the cost effectiveness analysis developed in the facilities plan (in accordance with the federal requirements and the Clean Water Act) or project report (in accordance with the Project Report Requirements for New Jersey Wastewater Treatment Financing Program Projects) and sufficient conveyance facilities to eliminate the inadequate discharges and to make the system viable. Where additional flows/conveyance facilities are necessary for the proposed system to be cost effective and operable, these eligible facilities may also be included under the scope of the project.

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 discharge 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.

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. The 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 conditions to the total cost of transportation and treatment of the infiltration/inflow, has been determined to be more economical to transport and treat than to eliminate.

   The 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 category 5. 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 but where the sludge treatment/disposal facilities were segmented from the initially funded project(s). These sludge treatment/ disposal projects are for construction of costly ultimate disposal facilities which are approved under a 201 wastewater facilities plan but which were segmented from the previously funded wastewater treatment component of the project pursuant to the provisions of 40 CFR 35.2108(b)(1) - Phased or segmented treatment works, which allows segmenting of projects in cases where "the federal share of the cost of building the treatment works would require a disproportionate share of the State's annual allotment relative to other needs or would require a major portion of the State's annual allotment."

5. New Systems (50 points) - This category of projects includes new conveyance systems, on-site management projects

and new or expanded sewage treatment plants (including all appurtenances) for the primary purpose of providing service for new wastewater flows. This category also includes sludge (exclusive of those projects which qualify under 4. above) and septage treatment facilities, and segments of projects that were initially funded under other categories.

6. Advanced (More Stringent) Wastewater Treatment Facilities (1 point) - This category includes projects to upgrade adequate secondary facilities to provide advanced wastewater treatment. The State is continuing to evaluate all discharge limitations that require advanced wastewater treatment. The benefits derived from upgrading facilities from secondary to advanced wastewater treatment levels are being carefully analyzed and compared to the costs associated with this type of project. Advanced wastewater treatment will only be required in those cases where the costs of advanced wastewater treatment can be justified by water quality improvements, including maintenance of existing water quality in accordance with the State's anti-degradation policy.

7. I/I Correction (1 point) - 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 category 2 or 3 above. Generally, these projects provide reduction in extraneous flows which are not directly associated with water quality benefits.

8. Combined Sewer Overflows (CSO) projects (1 point) - 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. It is recognized that combined sewer overflow correction projects may provide more water quality benefits than other more highly rated categories of projects. It is the intention of the State to readjust the priority of projects under this category as more information is gained about the water quality benefits associated with specific combined sewer overflow correction projects.

III. Population Difference

After the segment points and the discharge points were established for each project, many projects achieved identical scores. To further rank projects with identical 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 did 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 shall be used for ranking purposes.

IV. Project Priority List Methodology

The projects on the List are ordered according to their sum total of category points, highest to lowest, with tied scores ranked by greatest population served, to result in a final project priority ranking. Projects will be eligible to receive State loans in rank order provided project sponsors comply with the planning, design and application deadlines and requirements. Thus, these rankings reflect, in a comprehensive manner, overall State considerations, the appropriate inputs of national priorities and the EPA's Guidelines.

Listing on the Federal Fiscal Year 1989 Project Priority List is the first prerequisite to be considered eligible to receive State loan assistance under the New Jersey Municipal Wastewater Treatment Financing Program for the construction of wastewater treatment facilities in SFY90. The applicant has the responsibility of submitting all the required application material in a timely manner. Additional information on the procedures for applying for a State loan is available from the New Jersey Department of Environmental Protection, Division of Water Resources, Municipal Wastewater Assistance Element, CN-029, Trenton, New Jersey 08625.

NEW JERSEY STATE LIBRARY

V. Basis for Continuing Evaluation of Project Status/Project Bypassing

The Department will continuously evaluate the progress of projects on the Priority List within the fundable range. The primary purpose of this evaluation is to determine whether a project has made sufficient progress to receive monies within the fiscal year the project is scheduled to receive State funding. If it is determined that the project is not on schedule, the funding date may be deferred to a future fiscal year. In addition, the Clean Water Act and EPA's National Municipal Policy mandates that all wastewater facilities meet water quality standards by July 1, 1988. In lieu of a judicial or administrative order (as applicable) specifically allowing an extension to this deadline, funds for construction cannot be awarded for a project whose construction schedule is proposed to extend beyond the July 1, 1988 date.

To effectuate the timely review and certification of projects, the Department requires that local government units listed or eligible for listing on the Project Priority List comply with the following:

(1) Prior to the close of the comment period for the Proposed FFY89 Priority System, Intended Use Plan and Project Priority List, advise the Assistant Director, Municipal Wastewater Assistance Element (in writing, with copies to Acting Assistant Director, Wastewater Facilities Management Element) of their commitment to meet the project document submittal deadlines identified in item 2 below.

(2) In order to receive a State loan award in SFY90, all planning documents must be submitted to the Department by October 31, 1988; design documents by January 30, 1989 and a complete loan application package must be submitted to the Department by March 1, 1989. Failure to meet these deadlines may preclude funding award within the fiscal year, as the Department may, at its option, bypass the project. It should be noted that should the anticipated start-up date be beyond July 1, 1988, a court-sanctioned or administrative order, as applicable, specifying a compliance schedule, will be required at the time of submittal of the 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, documentation of completed public participation activities, and the results of preliminary coordination activities with lead agencies regarding environmental concerns. In addition, as part of the planning documentation submittal, proof of a final NJPDES permit or a Discharge Allocation Certificate for the project 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.

The Department will review each project schedule as required. When it can be determined that a project may be deferred for funding to a future fiscal year, the applicant will be so notified. Any permissible FFY88 and FFY89 monies not awarded as grants to projects may be requested to be channelled into the State's SRF program as a capitalization grant to provide loans to projects. Any loan funds that were to be used for a deferred project may be utilized to fund operable segments of the highest ranked project that is targeted for funding from FFY89 or anticipated FFY90 authorizations and can submit a complete loan application. If the situation occurs that none of the projects targeted to be funded in SFY89 or SFY90 are ready (since the State can lose monies through reallotment), projects ranked below those that are scheduled for funding in SFY89 or SFY90 may receive loan awards (the highest ranked projects that are ready to proceed would be funded). The funding policies discussed above may be reflected within appropriations bills (i.e., the fundable and contingency ranges of the priority list) for the State Legislature's approval. The submission of accurate project costs and schedules, therefore, will be a key factor in the Department's ability to maintain a viable priority list and funding schedule.

VI. Reserve Funds

In developing the Priority System, the State has established several reserve fund programs. Funds have been set aside for the following purposes:

A. Reserve for Grant Increases:

The Department developed criteria, adopted in the Federal Fiscal Years 1982 through 1988 Priority Systems, for funding grant increases for previously funded projects. The Department will continue to utilize these criteria, with minor changes as herein described, in the Federal Fiscal Year 1989 Priority System to determine eligible grant increase amounts. The Department has elected to reserve a minimum of approximately $5.0 million from the Federal Fiscal Year 1989 grant allocation for grant increases for cost overruns for projects funded at the 75 percent base grant level and to meet the low bid construction cost for 65 and 55 percent base grant awards. As specifically directed by the Water Quality Act of 1987, the Wanaque Valley Regional Sewerage Authority is eligible for a 75 percent construction grant for treatment works with a total capacity of 1,050,000 gpd (including a module with treatment capacity of 350,000 gpd). The federal grant monies for Wanaque Valley Regional Sewerage Authority's project will be placed in New Jersey's grant increase reserve.

It is important to note that any requests to provide grant increases for funding based on the low bid building costs must be received by the Municipal Wastewater Assistance Element by July 3, 1989 to be processed under the FFY89 Priority System. Any grant increase applications received after this deadline shall be processed in future fiscal years in conformance with the Priority System provisions in effect at that time.

1. For projects with an initial base award of 75 percent, the grant increase policy is as follows:

   Grant increases for cost overruns (increased costs with no change in the scope of a project) for prior grant awards will receive additional grant monies when the overall grant amount falls below 65 percent of the overall eligible cost. The overall grant amount is the total of all 75 percent base grants awarded under the Federal Water Pollution Control Act Amendments of 1972 (i.e., the base grants for step 1, step 2, and step 3 grants and grant increases, which excludes any I/A bonus awards). The overall eligible cost is the total of the eligible costs for all prior grant actions and the eligible cost of any pending cost overrun grant increases, excluding any I/A funding bonuses. The amount of the increase will be equivalent to the amount necessary to increase the overall grant to 65 percent of the overall eligible cost. If the overall grant amount is equal to or

exceeds 65 percent of the overall eligible cost, no increase will be awarded. It should, however, be noted that grant increases for pre-Federal Fiscal Year 1982 awards (i.e., 75 percent grants) may be further limited as a result of the federal regulations, effective February 10, 1986, which establishes a five percent limit on allowable grant increase awards for each contract of a project.

Including all previously funded eligible costs in the calculation to determine the overall 65 percent increase will be inequitable for certain grantees. In general, regional systems only include the treatment systems and major conveyance facilities. Collection systems and rehabilitation work are normally constructed by the local municipality. For consistency, the eligible costs of collection and rehabilitation work will not be included in the overall eligible cost calculation where such work has been constructed by the treatment agency. Therefore, in developing the overall 65 percent increase entitlement, cost overruns will be separately considered for treatment and/or conveyance systems and for collection and/or rehabilitation projects.

The amount of any grant increases that will be awarded under the above criteria will be initially determined by the Department. Grantees that can receive additional monies will be so notified. An analysis of the overall grant amount and overall eligible costs will be included with the determination of the additional grant funds that can be offered. The grantee will be afforded an opportunity to review the determination and request appropriate revisions. Upon final determination of the amount of the additional increase monies, the grantee may request an increase, at the 75 percent funding level, that is equivalent to the grant amount determined through the above criteria. Upon receipt of such request, the Department will certify the increase to EPA for funding. It should be noted that future eligible cost overruns can also be funded for grantees that are eligible for increase monies under this criteria.

Use of excess grant funds - general:

Budget line item changes will continue to be made with excess funds for awarded grants without affecting the funding levels. In addition to budget line item changes, grant monies can also be transferred between existing 75 percent step 3 grants where there are cost overruns in a grant for construction work with no increase in scope and excess monies in the sponsor's other 75 percent step 3 grant without affecting the funding level. However, such adjustments may be further limited as a result of the federal regulations, effective February 10, 1986, which establishes a five percent limit on allowable grant increases for each contract of a project.

2. The Department will fund grant increases for projects that received awards at the 65 percent initial base grant level as follows:

Grants will be adjusted as necessary to cover 65 percent of the low bid building costs and the associated eligible project costs (engineering and one percent administration/ legal/fiscal costs), but will specifically exclude funds for project contingencies and cost overruns. Monies available in the grant increase reserve will be used to award the base grant increases necessary to fund 65 percent of the low bid building costs and the associated eligible projects costs (consistent with the eligible categories of need at the time of the project's grant award). Any I/A bonuses that are due as a result of the low bid building cost adjustment will be provided from the I/A reserve. Monies needed for these purposes will necessarily reduce the amount available to fund additional projects during the fiscal year. All grants that have excess monies will be decreased to 65 percent of the low bid eligible project costs. This decrease will be done unilaterally by the Department if the grantee does not forward the required documentation within 30 days after receipt of the last bid. Further decreases will be made for any excess grant monies remaining if the final work in place is less than the grant amount adjusted as a result of the low bid building costs. Any monies that are deobligated will be placed within the grant increase reserve or be used to award funding to projects on the priority list during this or subsequent fiscal years. (Note: while the grant amount will be limited to the low bid building cost, budget line item changes may be approved within these grants where cost overruns may be covered by underruns in other cost categories to the extent that the remaining grant funds will allow. In this case, administrative/legal/fiscal costs will not be limited to one percent of the final building cost but a greater eligible amount may be approved should sufficient funds remain in the grant and if sufficient justification and documentation for the higher eligible costs are submitted and approved. However, these services, if not provided by the grantee's own staff, are subject to the federal procurement requirements contained in 40 CFR Part 33 (as of October 1, 1988, 40 CFR Part 31). It should also be noted that such adjustments may be further limited as a result of the federal regulations, effective February 10, 1986, which establishes a five percent limit on allowable grant increases for each contract of a project).

3. The Department will fund grant increases for projects that receive grant awards at the 55 percent initial base level as follows:

   Grants will be adjusted as necessary to cover 55 percent of the low bid building costs and the associated eligible project costs (engineering and one percent administration/ legal/fiscal costs), but will specifically exclude funds for project contingencies and cost overruns. Monies available in the grant increase reserve will be used to award the base grant increases necessary to fund 55 percent of the low bid building costs (consistent with the eligible categories of need at the time of the project's grant award). Any I/A bonuses that are due as a result of the low bid building cost adjustment will be provided from the I/A reserve. Monies needed for these purposes will necessarily reduce the amount available to fund additional projects during the fiscal year. Grant awards in excess of the low bid eligible project costs will be reduced to the 55 percent level. This decrease will be done unilaterally by the Department if the grantee does not forward the required documentation within 30 days after receipt of the last bid. Further decreases will be made for any excess grant monies remaining if actual project costs are less than the grant amount adjusted as a result of the low bid building cost, to meet the 55 percent grant level. Any monies that are deobligated will be placed within the grant increase reserve or be used to award funding to projects on the priority list during this or subsequent fiscal years. (Note: while the grant amount will be limited to the low bid building cost, budget line item changes may be approved within these grants where cost overruns may be covered by underruns in other cost categories to the extent that the remaining grant funds will allow. In this case administrative/legal/fiscal costs will not be limited to one percent of the final building cost but a greater eligible amount may be approved should sufficient funds remain in the grant and if sufficient justification and documentation for the higher eligible costs are submitted and approved. However, these services, if not provided by the grantee's own staff, are subject to the federal procurement requirements contained in 40 CFR Part 33 (as of October 1, 1988, 40 CFR Part 31). It should also be noted that such adjustments may be further limited as a result of the federal regulations, effective February 10, 1986, which establishes a five percent limit on allowable grant increases for each contract of a project).

Where additional monies are necessary to fund increases in the scope of work for existing projects (that are not otherwise provided for under the excess funds policy discussed previously), such increased project scopes will be considered to be new projects. Additional project segments will be ranked on the priority list according to the priority system methodology.

B. Reserve for the State Management Assistance Grant:

The Department has developed an agreement with EPA for delegation of the Construction Grants Program to the State of New Jersey. As provided for by the federal Act, four percent (4%) of New Jersey's share of the Act's authorization (estimated at approximately $4 million) will be reserved to cover the costs of administering the Construction Grants Program and costs associated with administration for State Revolving Fund purposes. Any reserved funds not utilized for this purpose may be used to fund additional treatment works projects.

C. Reserve for Innovative and Alternative Technologies:

The Clean Water Act requires that not less than four percent (4%) nor more than seven and one-half percent (7.5) of the State's Title II monies be reserved for projects utilizing innovative or alternative technologies, and a minimum of one-half percent (1/2%) specifically for innovative projects. In consideration of the total funding needs in the State, a reserve of up to seven and one-half percent (7.5%) of the FFY89 Title II allotment may be reserved to award as bonuses to "non-reob" projects utilizing innovative or alternative technologies, with a minimum estimated at up to approximately $0.24 million specifically for innovative projects.

Funds in the reserve for innovative and alternative technologies will be used as follows: 1) first, to provide grantee's with I/A bonuses (as applicable) for previously-funded projects that did not receive the full I/A bonus at the time of the original grant award, and 2) second, to provide bonuses where adjustments due to bid (for 55 or 65 percent grant awards) or grant increases for 75 percent base grant awards warrant additional I/A funds. Twenty percent bonuses will be awarded to 55 and 65 percent base grants, and ten percent bonuses will be awarded to 75 percent grant awards.

Any of the I/A reserve funds may be placed in the grant increase reserve to provide warranted grant increases for conventional technologies or converted into SRF funds.

D. Reserve for Advances of the Allowance to Small Communities:

The Municipal Wastewater Treatment Construction Grant Amendments of 1981 require the State to reserve a reasonable portion of its annual allotment, not to exceed ten percent (10%), for advances of the allowance for small communities. To promote alternative treatment projects and septage management districts in the State, this reserve will only apply to applicants for which the Department has determined that the outcome of the planning and design may result in a funded construction project for alternative treatment systems. In addition, only those small communities which would otherwise be unable to complete an

application (planning and design) for a step 2 + 3 or step 3 grant will be eligible for an advance of the allowance.

Small communities are defined as those municipalities of 3,500 or less, or highly dispersed sections and/or distinct population nodes (less than 3,500) of larger communities, as determined by the Department.

A priority list for the advance reserve will not be established. Funding will be provided on a readiness-to-proceed basis.

The amount available from FFY82-84 is $334 thousand (no funds were reserved for this purpose in FFY85-88). As a substantial amount of money is currently available in this reserve from previous years' allocation, no additional funds will be reserved from the FFY89 allocation. The State reserves the right to deobligate these monies to provide warranted I/A bonus grant increases to previously funded federal grant projects.

E. Reserve for Water Quality Management:

The Municipal Wastewater Treatment Construction Grants Amendments of 1981 require the State to reserve no less than $100,000 nor more than one percent (1%) of its annual allotment to carry out water quality management planning. Such planning activities include but are not limited to:

1. Identification of the most cost-effective facilities and non-point source controls to meet water quality standards and to develop an implementation plan to obtain financial and regulatory commitments to construct facilities and implement non-point source measures;

2. Determination of the nature, extent and causes of water quality problems;

3. Determination of those publicly owned treatment works which should be constructed, in which areas, and in what sequence;

4. Revisions to the State's Water Quality Standards.

Though many of these issues have been addressed in previous 303e and 208 planning efforts, a number of water quality issues in the State remain unresolved. The funds allocated to this reserve will be used to fund studies that directly impact the water quality management program.

The amount of this reserve will be one percent (1%) of the State's FFY89 allotment (approximately $1 million). Funds reserved for water quality management planning will be lost to the State if not used for this purpose, unless released for other purposes as permitted under 40 CFR 35.2021(b).

F. Reserve for Non-Point Source Pollution Programs

The Administrator shall reserve each fiscal year for each state 1 percent of the sums allotted and available for obligation to such state or $100,000, whichever is greater, for the purpose of establishing a non-point source pollution management program. Sums so reserved in a state in any fiscal year for which such state does not request the use of such funds to the extent such sums exceed $100,000, may be used by such state for other purposes under the Act.

VII. General Information

1. Federal EPA Review

After conducting the public participation program, the Priority System, Intended Use Plan and Project Priority List is submitted to EPA Region II, for review for procedural completeness. The Regional Administrator reviews the Priority System, Intended Use Plan and Project Priority List for compliance with the enforceable requirements of the Act and the requirements of the Water Quality Act of 1987 and/or subsequently adopted federal regulations. The Regional Administrator then notifies the State of the acceptance or rejection of the Priority System and Project Priority List (which is required to be within 30 days of receipt from the State).

2. Public Participation Program

The Proposed Priority System, Intended Use Plan and Project Priority List is forwarded to all municipalities, sewerage authorities, State legislators and other interested groups. The Priority System, Intended Use Plan and Priority List is the subject of public hearings held at least 30 days after the documents are available for public review.

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 within the Priority System's responsiveness summary. Any significant revisions to the Project Priority List during the fiscal year will also be the subject of a public hearing. The Department will 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 compliance with the project document submittal schedule) under the New Jersey Wastewater Treatment Financing Program have not been 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 project(s) to the fundable range as a result of their qualifying under the Public Health Hazard 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 (differing from the $97.76 million funding level available through reauthorization of the Clean Water Act)

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.

3. Removal From List

A project may be removed from the Priority List if one or more of the following conditions are met:

a. A financial assistance agreement for the project has been executed;

b. The project is no longer entitled to funding under the program;

c. The project is found to be ineligible for funding; or

d. The project's authorized representative requests the project to be removed from the list.

4. Obligation of Funds

No funds allocated for a given federal fiscal year may be obligated for any project within that fiscal year until the Priority List for that allocation has been approved by the Regional Administrator.

5. State Water Quality Management Planning Process

The Priority System is consistent with the State Water Quality Management process. The segment ranking criteria reflects the priority water quality areas as defined by the Water Quality Management process and the discharge ranking reflects the priority pollution problems identified in the Water Quality Management process. All Water Quality Management plans have been certified to the Environmental Protection Agency prior to fiscal year 1981. All planning areas and population projections for the proposed projects will be fully consistent with the Water Quality Management plans. Where differences are justified, the Water Quality Management plans will be amended in accordance with the State procedures.

6. 100% Modification Replacement (M/R) for I/A Projects

Grant assistance may be awarded to fund 100 percent of the allowable costs of the modification or replacement of any project that received I/A grant funding if it can be demonstrated to Region II USEPA with the approval of the Department that:

a. The innovative or alternative elements of the project have caused the project or significant elements of the complete waste treatment system of which the project is a part to fail to meet project performance standards;

b. The failure has significantly increased operation and maintenance expenditures for the project or the complete waste treatment system of which the project is a part, or requires significant additional capital expenditures for corrective action;

c. The failure has occurred prior to two years after initiation of operation of the project; and

d. The failure is not attributable to negligence on the part of any person.

Any I/A project adequately demonstrating the above criteria and declared a failure by the Regional Administrator will receive high funding priority over other projects.

7. Public Health Hazard Bypass

Notwithstanding any other provision of the Priority System, 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 Health, the project will receive high funding priority over other projects on the Priority List. 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 loan program. A procedure for reviewing public health hazard bypass eligibility has been adopted as follows:

a. To assist the Department in evaluating eligibility to be declared a "Public Health Hazard", the following substantiating documentation is to be submitted (note: information regarding each of the following items may not be available for all projects. Bypass applications should comprehensively address these items to the extent practicable, and may include any additional items not specifically listed herein.):

1. Identification of the extent of the wastewater problems. Include a map and a numerical count of problem wastewater conditions. Describe each type of problem, show the percentage of homes for each type, and explain the probable causes of the wastewater problems. Records of previous attempts to correct the problems should be included, where available.

2. Identification of the known incidences of sewage-borne disease in the problem area. List diseases, dates of

occurrence and the name and addresses of affected residents.

3. Identification of the number of wells that are contaminated in the problem area. List names and addresses of affected residents. Provide data for concluding that such contamination is the result of malfunctioning wastewater systems, and list the type of contamination (e.g., fecal coliform, nitrate, etc.). Provide data on the availability and/or feasibility of introducing public water supplies into the problem area.

4. Identification of the number of homes or other building structures that experience sewage back-up into the occupied areas of the structure. List names and addresses of affected residents. List the degree (duration, frequency, and severity) to which the back-up constitutes a public health hazard and the cause of each back-up situation.

5. Identification of the number of homes that experience outdoor surfacing problems. List the number of properties experiencing outdoor surfacing of sewage, the reason for the surfacing, and the degree (duration, frequency, and severity) to which the surfacing constitutes a public health hazard. Identify any surface water bodies being impacted and the type of contamination (e.g. fecal coliform, nitrate, etc.).

6. Identification of the number of homes that contribute to ponding of wastewater. List properties where partially or untreated wastewater has run off site and ponded or accumulated in proximity to inhabited areas and/or has resulted in the growth of significant populations of disease vectors (carriers) such that a severe public health nuisance exists.

b. A preliminary review of all applications will be conducted by staff of the Municipal Wastewater Assistance Element (MWAE) in order to screen applications that may not be eligible for funds under the NJ Wastewater Treatment Financing Program requirements or where documentation is inadequate to support the Public Health Hazard Bypass request. Project sponsors which submit documentation that is denied at this stage will be notified, in writing, by the Municipal Wastewater Assistance Element, indicating the reasons for the denial. (Note: applications denied on the basis of inadequate documentation may be revised and resubmitted for further Municipal Wastewater Assistance Element review and action.)

c. A Joint Committee of representatives from both the New Jersey Department of Health and the New Jersey Department of Environmental Protection has been established to review

documentation forwarded by the Municipal Wastewater Assistance Element for the bypass provision.

d. The Joint Committee will perform a field inspection of the problem area. Applicants will be notified in advance of the visit so that a representative may be present during the inspection.

e. The Joint Committee shall report its findings from the supporting documentation and site inspection and make a recommendation to the Commissioners of the Departments of Health and Environmental Protection to make the final determination regarding bypass eligibility. The Department of Health may make separate determinations on mandatory or recommended actions to be taken immediately to protect the public health and welfare.

The Municipal Wastewater Assistance Element shall make determinations with respect to the conformance of proposed wastewater projects with the regulatory requirements of the Wastewater Treatment Financing Program regardless of eligibility for the health hazard bypass. No project will be certified or approved unless all requirements of federal and state funding programs are met, including development of the most cost effective, environmentally sound and implementable solution to the health hazard conditions. In addition, the priority bypass will only be applicable to those portions of the overall project that will eliminate the health hazard conditions.

As indicated in the executive summary of the priority system, new collection systems and appurtenances (category 4A needs) required to correct public health hazard conditions are included in the Governor's Discretionary Fund for Federal Fiscal Year 1989 and are therefore eligible for State loans. However, in order to permit the Department to award loans to other highly ranked projects in the fundable range of the priority list in a timely manner (consistent with the target certification dates), funding of Public Health Hazard Bypass projects may otherwise be limited.

All Public Health Hazard documentation should be submitted to:

Nicholas G. Binder, P.E., Assistant Director
Municipal Wastewater Assistance Element
NJ Department of Environmental Protection
P.O. Box CN-029
Trenton, New Jersey 08625

PRIORITY LIST

NEW JERSEY STATE LIBRARY

STATE OF NEW JERSEY
FEDERAL FISCAL YEAR 1989 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	340440-03 FLEMINGTON, BOROUGH OF					348			400		BEYOND89
2	340467-05 MONTVILLE TOWNSHIP MUA				3,300				3,700		**
3	340598-02 CAPE MAY POINT BOROUGH					2,196			2,525		BEYOND89
4	340485-03 RARITAN TWP MUA	9,533							10,853		**
5	340488-03 HOPATCONG BOROUGH	1,141			2,213		19,921		23,933		BEYOND89
6 *	340578-05 MANVILLE BOROUGH			1,734					2,160	2,160	T 890730
7	340638-04 BRIDGEWATER TWP. SA			1,054					1,308		BEYOND89
8	340747-05 JEFFERSON TOWNSHIP				2,142		12,780		15,369		BEYOND89
9 *	340404-02 PASSAIC TWP	100	4,600						5,444	5,444	T 890730
10 *	340781-04 RARITAN BOROUGH			337					409	409	T 890730
11 *	340548-03 ROXBURY TWP-LSH				938		8,443		10,953	10,953	T 890730
12	340541-03 MOUNT ARLINGTON BOROUGH				1,171		9,369		12,110		BEYOND89

NOTE * - Project(s) indicating anticipated compliance with FY 89 project document submittal dates as established per the Project Status/Project Bypassing provisions of the FY 89 Priority System. Estimated State certification date for project(s) are pending the satisfactory resolution of all project funding requirements and the availability of State Wastewater Treatment Financing Program monies.

NOTE ** - Project(s) certified for potential State Wastewater Treatment Financing in State FY 89.

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 1989 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	340874-01 PHILLIPSBURG, TOWN OF			343		648			1,053		BEYOND89
14 *	340712-03 BURLINGTON TOWNSHIP	2,224							2,666	2,666	T 890730
15	340794-03 DELRAN SA-RIVERSIDE	1,739							2,170		BEYOND89
16	340763-04 TRIBORO-PALMYRA	2,948							3,425		BEYOND89
17 *	340763-05 TRIBORO-RIVERTON (RIVERTON)	245							315	315	T 890730
18 *	340810-02 LOWER TOWNSHIP MUA	10,540							12,781	12,781	T 890730
19	340835-01 ORADELL, BOROUGH OF			204					259		BEYOND89
20 *	340518-02 ATLANTIC COUNTY UA (UGEH/MRR)				2,632				2,969	2,969	T 890730
21 *	340701-04 WEST MILFORD MUA (CRESCENT PARK)		350						455	455	T 890730
22	340418-03 OAKLAND, BOROUGH OF	9,300	3,100						14,594		BEYOND89
23	340418-05 OAKLAND, BOROUGH OF				5,950		26,250		37,815		BEYOND89
24 *	340453-03 WARREN CO-PAULINSKILL/BLAIRSTOWN	551	380		844				2,390	2,390	T 890730

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Cat 4B- New Interceptors & Appurtenances
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STATE OF NEW JERSEY
FEDERAL FISCAL YEAR 1989 PROJECT PRIORITY LIST

Rank	Loan /Seq Nc 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	340547-04 RAHWAY VALLEY SA							3,873	4,454		BEYOND89
26	340699-03 MIDDLESEX COUNTY UA	285,613							339,238		BEYOND89
27	340697-03 BAYSHORE REGIONAL SA	23,452							27,779		BEYOND89
28	340449-03 SUSSEX COUNTY MUA/NEWTON	4,631	1,774						7,363		**
29	340868-01 ABERDEEN TOWNSHIP MUA		6,305						7,530		BEYOND89
30	340869-01 ABERDEEN TOWNSHIP MUA		2,580						3,102		BEYOND89
31	340495-03 SPARTA, TOWNSHIP OF	1,470	637						2,526		BEYOND89
32	340652-02 NO BERGEN TWP			112					135		BEYOND89
33	340656-02 PRINCETON SEWER OPERATING COMMITTEE			2,624		7,362			11,408		**
34	340412-06 OCEAN TOWNSHIP SA	9,827							11,687		BEYOND89
35	340747-02 JEFFERSON TOWNSHIP	1,428							1,716		BEYOND89
36	340483-02 RINGWOOD BOROUGH SA		4,205		1,122		4,940		10,866		BEYOND89

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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 1989 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
37	340661-09 CAPE MAY COUNTY MUA(STN HRBR)				1,966				2,709		BEYOND89
38 *	340701-05 WEST MILFORD MUA (AWOSTING)		400						520	520	T 890730
39	340720-03 MIDDLE TWP SA (AVALON MANOR)				82		734		834		BEYOND89
40 *	340708-07 CAMDEN COUNTY MUA-DIST #1 & #2							16,230	19,077	19,077	T 890730
41	340435-04 PERTH AMBOY, CITY OF							25,786	29,654		BEYOND89
42	340523-03 CALDWELL, BOROUGH OF	11,475	3,100						16,602		**
43	340785-03 LIVINGSTON, TOWNSHIP OF		13,900						15,954		**
44	340299-04 LINDEN-ROSELLE SA				4,199			5,044	10,179		BEYOND89
45	340639-05 RIDGEWOOD, VILLAGE OF				1,520				1,826		BEYOND89
46	340717-03 CEDAR GROVE, TWP. OF	2,156	2,803						5,422		**
47	340706-03 WASHINGTON, BOROUGH OF		4,829	33					5,937		BEYOND89
48	340437-02 NEW BRUNSWICK, CITY OF							2,324	2,673		BEYOND89

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STATE OF NEW JERSEY
FEDERAL FISCAL YEAR 1989 PROJECT PRIORITY LIST

Rank	Loan /Seq Nc 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 *	340913-01 WARREN, TOWNSHIP OF		6,350						7,503	7,503	T 890730
50 *	340701-07 WEST MILFORD MUA (HIGHVIEW)		250						325	325	T 890730
51	340533-03 VERONA, BOROUGH OF	2,284	12,566						17,000		**
52	340716-02 LITTLE FALLS MUA	11,333	3,815						18,315		BEYOND89
53	340503-03 SUSSEX COUNTY MUA (POCHUCK)	4,080	1,020		3,320				9,576		BEYOND89
54	340365-05 WAYNE, TOWNSHIP OF				4,950				6,216		**
55 *	340744-02 SUSSEX BOROUGH					220			243	243	T 890730
56	340755-03 WILLINGBORO MUA	12,241			2,487				17,482		BEYOND89
57	340715-02 MADISON-CHATHAM JOINT MEETING	3,012	7,108	274		1,196			13,264		**
58	340405-03 ATLANTIC COUNTY UA (LGEHRR)				14,736				17,491		BEYOND89
59	340763-03 TRIBORO-CINNAMINSON	11,221			1,627				15,259		BEYOND89
60	340794-04 DELRAN SA-DELRAN	3,366			1,234				5,255		BEYOND89

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FEDERAL FISCAL YEAR 1989 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	340474-03 NEW PROVIDENCE, BOROUGH OF		4,085						4,879		BEYOND89
62 *	340388-03 HANOVER SA		16,672						20,142	20,142	T 890730
63 *	340712-06 BURLINGTON CITY	5,694							7,000	7,000	T 890730
64	340403-02 CHATHAM TOWNSHIP	14,281							17,275		BEYOND89
65	340724-02 MORRIS TOWNSHIP-WOODLAND	5,500	6,970						15,236		BEYOND89
66 *	340701-08 WEST MILFORD MUA (BIRCH HILL)		50						65	65	T 890730
67	340529-04 SOMERSET-RARITAN VALLEY SA	15,301							18,159		BEYOND89
68	340580-03 WARREN CO-LOPAT/PHILLIPSBURG	16,010							18,554		**
69	340866-01 SOUTH BRUNSWICK, TWP OF			211					257		BEYOND89
70 *	340710-02 MAPLE SHADE TOWNSHIP	10,476							12,323	12,323	T 890730
71	340912-01 MOORESTOWN TOWNSHIP	6,984		2,142					10,857		BEYOND89
72	340354-03 PEQUANNOCK,LINCOLN,FAIRFIELD				2,749				3,462		BEYOND89

NOTE * - Project(s) indicating anticipated compliance with FY 89 project document submittal dates as established per the Project Status/Project Bypassing provisions of the FY 89 Priority System. Estimated State certification date for project(s) are pending the satisfactory resolution of all project funding requirements and the availability of State Wastewater Treatment Financing Program monies.

NOTE ** - Project(s) certified for potential State Wastewater Treatment Financing in State FY 89.

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 1989 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	340480-03 PEQUANNOCK TOWNSHIP				577		5,197		5,856		BEYOND89
74	340376-03 MORRISTOWN, TOWN OF		48,323						60,449		**
75 *	340723-02 MORRIS TOWNSHIP--BUTTERWORTH	7,700	9,750						21,260	21,260	T 890730
76 *	340636-03 POMPTON LAKES MUA	11,288	3,320						17,357	17,357	T 890730
77	340567-03 ALLENTOWN, BOROUGH OF	1,246	685						2,745		BEYOND89
78	340526-06 GLOUCESTER CO UA (GIBBSTOWN)	1,122	561						1,923		BEYOND89
79 *	340568-02 BLAIRSTOWN TWP						1,010		1,368	1,368	T 890730
80	340526-08 GLOUCESTER CO UA (E GREENWICH)				561		577		1,280		BEYOND89
81	340573-03 SUSSEX COUNTY MUA-LOW WALL/SUSSEX BORO	715	585						1,605		BEYOND89
82	340463-06 EVESHAM MUA (MEDFORD LAKES)	1,540	561	303	1,210				4,129		BEYOND89
83 *	340480-05 PEQUANNOCK, TOWNSHIP OF				1,874		268		2,771	2,771	T 890730
84 *	340480-04 PEQUANNOCK, TOWNSHIP OF				1,000				1,305	1,305	T 890730

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NOTE ** - Project(s) certified for potential State Wastewater Treatment Financing in State FY 89.

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 1989 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 *	340578-03 MANVILLE BOROUGH				5,900				7,257	7,257	T 890730
86	340805-02 MILFORD BOROUGH	2,604		456					3,431		BEYOND89
87	340526-04 GLOUCESTER CO UA (LOGAN)	8,752			2,244				12,561		BEYOND89
88	340372-11 OCEAN COUNTY UA				1,080				1,340		BEYOND89
89	340747-04 JEFFERSON TOWNSHIP (ROCKAWAY)				1,136		3,796		5,162		BEYOND89
90	340372-13 OCEAN COUNTY UA				4,048				4,951		BEYOND89
91	340832-01 HOWELL TWP MUA				443		3,992		4,547		BEYOND89
92	340761-02 ROOSEVELT, BOROUGH OF	422		79					642		BEYOND89
93 *	340816-01 BERNARDSVILLE BOROUGH	3,925	75						4,939	4,939	T 890730
94	340684-06 NORTHEAST MONMOUTH RSA	4,293							5,126		BEYOND89
95	340336-03 LONG BRANCH SA	644			481				1,354		BEYOND89
96	340386-04 BERGEN COUNTY UA		68,569						84,098		BEYOND89

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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 1989 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	340768-03 BERGEN COUNTY UA							12,948	14,891		BEYOND89
98	340399-10 HCUA (CITY OF JERSEY CITY)					207,390		65,453	320,216		BEYOND89
99	340399-20 HUDSON COUNTY UA(N.B.-CENTRAL)	6,851			2,779	1,159	831		14,511		BEYOND89
100	340336-04 LONG BRANCH SA			7,663					9,124		BEYOND89
101	340463-03 EVESHAM MUA (ELMWOOD)	2,040			3,835				6,712		BEYOND89
102	340399-19 HUDSON COUNTY UA (SECAUCUS)	2,579	6,017	1,054					12,350		BEYOND89
103 *	340701-06 WEST MILFORD MUA (OLDE MILFORD)		250						325	325	T 890730
104	340409-04 MOUNT LAUREL TWP MUA	8,976	673		1,122				12,305		BEYOND89
105	340898-01 HAMILTON TOWNSHIP		8,095						9,562		BEYOND89
106	340518-03 ATLANTIC COUNTY UA (MULLICA UGEH)	5,270			5,611				12,933		BEYOND89
107	340526-05 GLOUCESTER CO UA (MULLICA HILL)	281	168						513		BEYOND89
108	340822-02 PEAPACK & GLADSTONE BOROUGH	2,025	225						2,539		BEYOND89

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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 1989 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	340463-04 EVESHAM MUA (MEDFORD TWP)	4,825	1,122	1,234	3,041				11,677		BEYOND89
110	340399-09 HUDSON COUNTY UA (HOBOKEN)							10,846	12,473		BEYOND89
111	340891-01 WESTERN MONMOUTH UA		264						345		BEYOND89
112	340795-02 FAIRLAWN, BOROUGH OF				3,252				3,889		BEYOND89
113	340463-05 EVESHAM MUA (WOODSTREAM)	2,550	52	102	2,713				6,253		BEYOND89
114 *	340640-04 CAMDEN COUNTY MUA	4,743			2,635				9,056	9,056	T 890730
115	340639-03 RIDGEWOOD, VILLAGE OF		4,590						5,480		BEYOND89
116	340536-03 EAST WINDSOR MUA		17,939						20,972		**
117 *	340692-03 WOOD-RIDGE, BOROUGH OF		3,846						4,192	4,192	T 890730
118	340443-04 EDGEWATER, BOROUGH OF							111	127		BEYOND89
119 *	340326-07 SAYREVILLE, BOROUGH OF				3,527				4,218	4,218	T 890730
120	340738-03 WYCKOFF, TOWNSHIP OF				1,122		10,098		11,898		BEYOND89

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NOTE ** - Project(s) certified for potential State Wastewater Treatment Financing in State FY 89.

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 1989 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	340430-02 PASSAIC VALLEY SC							79,793	91,762		BEYOND89
122	340399-08 HUDSON COUNTY UA (BAYONNE)							11,510	13,236		BEYOND89
123	340628-03 WOODSTOWN SA	1,925	159						2,498		BEYOND89
124	340915-01 HIGHTSTOWN, BOROUGH OF		3,500						4,025		BEYOND89
125 *	340917-01 DELAWARE TOWNSHIP MUA		800			300			1,386	1,386	T 890730
126	340700-03 NORTHWEST BERGEN CO UA	6,746	19,710	4,638	1,581				35,023		BEYOND89
127 *	340885-01 HOPEWELL TOWNSHIP MUA				815				1,085	1,085	T 890730
128	340652-01 NO BERGEN TWP				1,745		1,002	169	3,265		BEYOND89
129	340823-01 WATCHUNG, BOROUGH OF				83		744		838		BEYOND89
130	340683-05 PASSAIC VALLEY SC	105,400							125,698		BEYOND89
131	340680-04 MIDDLESEX COUNTY UA	161,063							189,365		BEYOND89
132 *	340708-05 CAMDEN CO MUA	52,700							62,713	62,713	T 890730

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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 1989 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
133	340887-01 STONY BROOK REGIONAL S.A.	3,689							4,491		BEYOND89
134	340818-03 BURLINGTON COUNTY BOARD OF FREEHOLD	14,465							17,113		BEYOND89
135	340687-05 BERGEN COUNTY UA	29,802							34,530		BEYOND89
136	340878-01 SOMERSET RARITAN VALLEY SA	14,071							17,023		BEYOND89
137	340686-03 JT MEETING-ESSEX & UNION	34,618							40,938		BEYOND89
138	340399-15 HUDSON COUNTY UA	15,603							18,515		BEYOND89
139	340900-01 HUDSON COUNTY UA (AREA I)						21,091		24,181		BEYOND89
140	340405-04 ATLANTIC COUNTY UA	3,952							4,722		BEYOND89
141	340644-03 SUSSEX COUNTY MUA	1,370							1,570		BEYOND89
142	340821-03 ROCKAWAY VALLEY REG SA	12,531							14,315		BEYOND89
143	340684-04 NORTHEAST MONMOUTH COUNTY RSA	6,851							8,264		BEYOND89
144	340390-05 WANAQUE VALLEY REG SA	2,189							2,501		BEYOND89

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 1989 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
145	340886-01 PARSIPPANY-TROY HILLS TWP	1,001							1,198		BEYOND89
146	340682-05 LINDEN-ROSELLE SA	13,590							16,446		BEYOND89
147	340775-03 WESTERN MONMOUTH UA	1,527							1,834		BEYOND89
148	340661-06 CAPE MAY COUNTY MUA	9,457							11,697		BEYOND89
149	340365-06 WAYNE, TOWNSHIP OF				638		340		1,887		BEYOND89
150	340607-03 N. BURLINGTON CO RSA (SOUTH)	3,264			2,754		5,304		12,179		BEYOND89
151	340820-03 LONG BRANCH SA	2,824							3,380		BEYOND89
152	340819-02 MT HOLLY SA	3,920							4,683		BEYOND89
153	340895-02 WINSLOW TWP				2,108		316		2,912		BEYOND89
154 *	340701-03 WEST MILFORD TWP MUA			250	450				881	881	T 890730
155	340526-03 GLOUCESTER CO UA (MONROE)	1,295	561		281				2,576		BEYOND89
156	340897-01 SOUTH BRUNSWICK, TWP. OF						896		1,121		BEYOND89

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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 1989 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	340381-04 ROXBURY TOWNSHIP (LAMINGTON)				1,189		5,942		9,266		**
158	340478-05 ROCKAWAY TOWNSHIP	5,549			1,087		6,990		14,897		BEYOND89
159 *	340810-03 LOWER TOWNSHIP MUA						2,108		2,595	2,595	T 890730
160	340875-01 VOORHEES TOWNSHIP				116		1,043		1,176		BEYOND89
161	340632-03 RANDOLPH TWP MUA				213		5,245		6,398		**
162	340883-01 ASBURY PARK, CITY OF	527							659		BEYOND89
163	340811-03 BURLINGTON COUNTY BOARD OF FREEHOLDERS	3,258							3,897		BEYOND89
164	340650-03 MANCHESTER TWP MUA				687		6,185		7,014		BEYOND89
165 *	340467-04 MONTVILLE TWP MUA						8,000		9,600	9,600	T 890730
166	340382-02 BERNARDS TWP SA				1,473		2,390		4,211		BEYOND89
167	340545-03 GLASSBORO, BOROUGH OF				2,277		569		3,297		BEYOND89
168	340905-01 RINGWOOD BOROUGH S.A.	6,324		105	1,265		3,162		12,137		BEYOND89

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NOTE ** - Project(s) certified for potential State Wastewater Treatment Financing in State FY 89.

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 1989 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
169 *	340778-03 TOTOWA-WEST PATERSON SA (W. PATERSON)						1,437		1,953	1,953	T 890730
170	340745-02 VERNON TWP	5,050							6,025		BEYOND89
171 *	340919-01 HOLMDEL TOWNSHIP						1,933		2,407	2,407	T 890730
172	340434-02 WANAQUE BOROUGH				104		108		226		BEYOND89
173	340461-04 GLOUCESTER COUNTY UA (FRANKLIN TWP)				4,216		1,265		6,300		BEYOND89
174	340592-03 MAHWAH TOWNSHIP				598		5,386		6,109		BEYOND89
175	340466-04 DENVILLE TOWNSHIP				1,138		10,192		13,465		**
176	340526-12 GLOUCESTER CO UA (MANTUA)				454		842		1,361		BEYOND89
177	340403-04 CHATHAM TOWNSHIP				2,040		1,326		3,772		BEYOND89
178	340372-10 OCEAN COUNTY UA				1,134				1,406		BEYOND89
179	340634-03 BLOOMINGDALE BOROUGH				250		2,592		3,033		BEYOND89
180	340760-03 WANTAGE TWP	393							476		BEYOND89

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NOTE ** - Project(s) certified for potential State Wastewater Treatment Financing in State FY 89.

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 1989 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	340879-01 STAFFORD MUA	843			843				1,860		BEYOND89
182	340372-16 OCEAN COUNTY UA				8,702				10,569		BEYOND89
183	340852-02 BRANCHBURG, TOWNSHIP OF				49		442		565		BEYOND89
184	340909-01 UPPER SADDLE RIVER, BOROUGH OF				99		892		1,201		BEYOND89
185	340569-02 BYRAM TOWNSHIP	560							677		BEYOND89
186	340404-05 PASSAIC TWP				1,122		10,099		11,449		BEYOND89
187	340607-04 N. BURLINGTON CO RSA (NORTH)				5,040				6,013		BEYOND89
188	340537-03 MT OLIVE/WASH TWP MUA	4,812			15,398		6,120		30,074		BEYOND89
189	340705-03 CARLSTADT SA				374		3,652		4,290		BEYOND89
190	340737-01 MAHWAH, TOWNSHIP OF	158							193		BEYOND89
191	340759-02 SUSSEX CO-BRANCHVILLE/FRANKFORD	2,213							2,556		BEYOND89
192	340489-03 WHARTON BOROUGH				42		379		501		BEYOND89

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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 1989 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
205	340592-06 MAHWAH, TOWNSHIP OF				449		4,039		4,583		BEYOND89
206	340838-01 EVESHAM TWP MUA	2,747							3,288		BEYOND89
207	340622-04 WALL TOWNSHIP (MANASQUAN PARK)				688		6,193		7,024		BEYOND89
208	340487-02 KINNELON BOROUGH				673		6,968		8,107		BEYOND89
209	340872-01 HOPE TOWNSHIP	356							449		BEYOND89
210	340638-03 BRIDGEWATER TWP				133	52	1,482		1,686		BEYOND89
211	340899-01 BEACHWOOD SEWERAGE AUTHORITY				211		1,897		2,595		BEYOND89
212	340754-03 MIDDLE TWP(RIO GRANDE)				1,054		5,481		6,761		BEYOND89
213	340624-05 WEST CAPE MAY, BOROUGH OF	407							465		BEYOND89
214	340485-04 RARITAN TOWNSHIP MUA	6,570							7,993		BEYOND89
215	340619-03 UPPER TWP (STRATHMERE)				171		1,536		1,753		BEYOND89
216	340740-02 BRANCHVILLE BOROUGH				223		2,005		2,263		BEYOND89

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 1989 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	340892-01 GALLOWAY TWP				2,108		1,581		4,176		BEYOND89
218	340691-03 MIDDLE TWP (DEL HAVEN)				422		2,530		3,040		BEYOND89
219	340750-03 OCEAN TWP SA				232		2,087		2,369		BEYOND89
220	340831-01 SHAMONG TWP	1,988							2,385		BEYOND89
221	340836-01 PLAINSBORO, TWP OF				153		1,377		1,572		BEYOND89
222 *	340839-01 FRANKLIN TWP SA				610		544		1,444	1,444	T 890730
223 *	340918-01 CLAYTON SA/SILVER LAKE						490		620	620	T 890730
224	340870-01 PENNSVILLE, TOWNSHIP OF						1,581		1,818		BEYOND89
225	340833-01 BUENA BOROUGH MUA	509							582		BEYOND89
226	340629-02 EVESHAM TWP-PINE GROVE	840							960		BEYOND89
227	340876-01 CHESTER, BOROUGH OF	949							1,178		BEYOND89
228 *	340918-02 CLAYTON SA/HILLSIDE				556		94		819	819	T 890730

NOTE * - Project(s) indicating anticipated compliance with FY 89 project document submittal dates as established per the Project Status/Project Bypassing provisions of the FY 89 Priority System. Estimated State certification date for project(s) are pending the satisfactory resolution of all project funding requirements and the availability of State Wastewater Treatment Financing Program monies.

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 1989 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	340594-02 LINCOLN PARK BOROUGH				319		2,870		3,234		BEYOND89
230	340781-03 RARITAN BOROUGH	408			408				902		BEYOND89
231	340624-04 WEST CAPE MAY, BOROUGH OF						385		443		BEYOND89
232 *	340433-08 WOODBRIDGE, TOWNSHIP OF						25		30	30	T 890730
233	340680-05 MIDDLESEX COUNTY UA	1,018							1,163		BEYOND89
234	340817-02 MT HOLLY SA	1,102							1,259		BEYOND89
235	340806-03 PARSIPPANY-TROY HILLS TWP	246							281		BEYOND89
236	340809-02 ATLANTIC COUNTY UA (CSTL)	923							1,054		BEYOND89
237	340902-01 GLOUCESTER COUNTY UA	3,723							4,449		BEYOND89
238	340801-03 SOMERSET-RARITAN VALLEY SA	1,054							1,258		BEYOND89
239	340804-03 SALEM COUNTY BD OF CHOSEN FREEHOLDERS	5,162							6,158		BEYOND89
240	340700-05 NORTHWEST BERGEN CO UA	1,683							2,020		BEYOND89

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FEDERAL FISCAL YEAR 1989 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	340865-01 WEST ORANGE TOWNSHIP				8,466	847			11,555		BEYOND89
242	340437-03 NEW BRUNSWICK, CITY OF				896				1,114		BEYOND89
243	340832-02 MANASQUAN RIVER REG SA				1,159				1,547		BEYOND89
244	340459-04 PEQUANNOCK RIVER BASIN RSA	407							465		BEYOND89
245	340803-03 HACKETTSTOWN MUA	451							516		BEYOND89
246	340882-02 LAMBERTVILLE SA				40		356		406		BEYOND89
247	340876-02 CHESTER, BOROUGH OF	718	132						1,051		BEYOND89
248	340637-04 MIDDLESEX COUNTY UA			15,618					18,550		BEYOND89
249	340768-02 BERGEN COUNTY UA			15,710					18,762		BEYOND89
250	340340-03 JT MEETING-ESSEX & UNION			10,182					12,096		BEYOND89
251	340815-02 NEWARK,CITY OF			5,534		15,494			22,385		BEYOND89
252	340547-03 RAHWAY VALLEY SA			4,482					5,356		BEYOND89

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 1989 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	340850-01 PATERSON, CITY OF			274		21,862			22,195		BEYOND89
254	340834-01 NUTLEY TOWNSHIP					1,549			1,782		BEYOND89
255	340756-02 ROCKAWAY VALLEY REG SA			4,482					5,352		BEYOND89
256	340700-06 NORTHWEST BERGEN CO UA			6,076					7,243		BEYOND89
257	340843-01 EAST ORANGE, CITY OF			144		1,759			2,032		BEYOND89
258	340844-01 CLIFTON, CITY OF			11,444					11,666		BEYOND89
259	340433-04 WOODBRIDGE, TOWNSHIP OF			807					973		BEYOND89
260	340391-05 EWING-LAWRENCE SA			2,387					2,935		BEYOND89
261	340890-01 IRVINGTON, TOWN OF			405		1,198			1,672		BEYOND89
262	340845-01 PASSAIC, CITY OF			393		3,625			4,285		BEYOND89
263 *	340393-06 WAYNE, TOWNSHIP OF			1,018					1,226	1,226	T 890730
264	340410-04 NEPTUNE TWP SA			3,369					4,029		BEYOND89

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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 1989 PROJECT PRIORITY LIST

Rank	Loan /Seq Nc 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			
265	340882-01 LAMBERTVILLE SA			90		158			284		BEYOND89
266	340837-01 MONTCLAIR, TOWN OF			290		1,144		95	1,579		BEYOND89
267	340344-03 ATLANTIC COUNTY UA			9,186					10,250		BEYOND89
268	340853-01 FORT LEE, BOROUGH OF					481			553		BEYOND89
269	340859-01 ORANGE, CITY OF			392		1,925			2,399		BEYOND89
270	340426-05 N ARLINGTON-LYNDHURST JT MTG			282					350		BEYOND89
271	340895-01 WINSLOW TWP			422					530		BEYOND89
272	340769-02 BERGEN COUNTY UA (TRIBORO)			1,150					1,384		BEYOND89
273	340639-07 RIDGEWOOD, VILLAGE OF	2,189		2,375					5,111		BEYOND89
274	340858-01 CRANFORD, TOWNSHIP OF			443					555		BEYOND89
275	340715-03 MADISON-CHATHAM JOINT MEETING			553					669		BEYOND89
276	340443-05 EDGEWATER, BOROUGH OF			366		1,935			2,353		BEYOND89

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

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

FEDERAL FISCAL YEAR 1989 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			
277	340906-03 HILLSIDE, TWP OF			190		601			834		BEYOND89
278	340829-01 BRIDGETON, CITY OF			328					375		BEYOND89
279	340881-01 HAWTHORNE, BOROUGH OF			264		264			634		BEYOND89
280	340863-01 ELMWOOD PARK, BOROUGH OF			94		683			798		BEYOND89
281	340400-03 STONY BROOK REG SA			393					476		BEYOND89
282	340884-01 ASBURY PARK, CITY OF						1,581		1,818		BEYOND89
283 *	340376-04 MORRISTOWN, TOWN OF			4,480					5,587	5,587	T 890730
284	340730-01 OCEAN CITY			39					47		BEYOND89
285	340580-04 WARREN CO LOPAT SA			1,809					2,170		BEYOND89
286	340779-02 PEQUANNOCK RIVER BASIN RSA			1,045					1,193		BEYOND89
287	340382-03 BERNARDS TOWNSHIP			337					408		BEYOND89
288	340889-01 DOVER, TOWN OF			664					807		BEYOND89

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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 1989 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	340752-01 PLEASANTVILLE, CITY OF			112					137		BEYOND89
290	340533-04 VERONA, BOROUGH OF			1,054					1,268		BEYOND89
291	340855-01 SPRINGFIELD, TOWNSHIP OF			1,054					1,308		BEYOND89
292	340385-02 BERKELEY HEIGHTS TOWNSHIP			306					371		BEYOND89
293 *	340717-05 CEDAR GROVE, TWP. OF			260					366	366	T 890730
294	340766-02 PARSIPPANY-TROY HILLS TWP			35					40		BEYOND89
295	340716-04 LITTLE FALLS TWP.			212					426		BEYOND89
296	340381-05 ROXBURY TWP			962					1,153		BEYOND89
297	340667-01 VENTNOR CITY			1,273					1,530		BEYOND89
298 *	340778-02 TOTOWA-WEST PATERSON SA (W. PATERSON)			1,785					2,170	2,170	T 890730
299	340778-01 TOTOWA-WEST PATERSON SA (TOTOWA)			700					799		BEYOND89
300	340862-01 WESTWOOD, BOROUGH OF			1,581			2,108		4,186		BEYOND89

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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 1989 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
301	340841-01 RIVER EDGE, BOROUGH OF			320					384		BEYOND89
302	340618-01 SOMERS POINT CITY			64					79		BEYOND89
303	340780-02 WANAQUE VALLEY REG SA			564					636		BEYOND89
304	340326-04 SAYREVILLE, BOROUGH OF			168					205		BEYOND89
305	340517-01 FAIRVIEW, BOROUGH OF			1,027					1,274		BEYOND89
306	340636-05 POMPTON LAKES MUA			1,549					1,770		BEYOND89
307	340827-01 BRIGANTINE, CITY OF			2,213					2,653		BEYOND89
308	340666-01 MARGATE CITY			602					727		BEYOND89
309	340852-01 BRANCHBURG, TOWNSHIP OF			2,108					2,795		BEYOND89
310	340877-01 HADDON HEIGHTS, BOROUGH OF			641					800		BEYOND89
311 *	340914-01 BOGOTA, BOROUGH OF			103			30		171	171	T 890730
312	340861-01 GLEN RIDGE, BOROUGH OF			46		188			244		BEYOND89

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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 1989 PROJECT PRIORITY LIST

Rank	Loan /Seq Nc 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	340326-06 SOUTH AMBOY, CITY OF			168					205		BEYOND89
314 *	340404-04 PASSAIC TWP			100		500			757	757	T 890730
315	340407-01 NEWTON TOWN			463		547			1,301		**
316	340846-01 MONTVALE, BOROUGH OF			71					88		BEYOND89
317	340816-03 BERNARDSVILLE BOROUGH			809					872		BEYOND89
318 *	340916-01 DUNELLEN, BOROUGH OF					3,000			3,450	3,450	T 890730
319	340479-02 POINT PLEASANT BEACH, BOROUGH OF			1,107					1,371		BEYOND89
320	340840-01 SPRING LAKES HEIGHTS, BOROUGH OF			111					142		BEYOND89
321	340911-01 MANASQUAN, BOROUGH OF			1,391		843			2,564		BEYOND89
322	340901-01 HIGHLANDS, BOROUGH OF			622					776		BEYOND89
323	340664-01 WILDWOOD CITY			400					484		BEYOND89
324	340719-01 WILDWOOD CREST BOROUGH			179					218		BEYOND89

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NOTE ** - Project(s) certified for potential State Wastewater Treatment Financing in State FY 89.

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
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FEDERAL FISCAL YEAR 1989 PROJECT PRIORITY LIST

Rank	Loan /Seq Nc 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	340842-01 HIGH BRIDGE, BOROUGH OF			236					304		BEYOND89
326	340504-02 STANHOPE, BOROUGH OF			289					351		BEYOND89
327	340659-01 SEA ISLE CITY			470					569		BEYOND89
328	340849-01 WOODLYNNE, BOROUGH OF			1,771					2,125		BEYOND89
329	340864-01 AVALON, BOROUGH OF			738		158			1,048		BEYOND89
330	340822-01 PEAPACK & GLADSTONE BOROUGH			85					104		BEYOND89
331 *	340873-01 CLINTON TWP SEWERAGE AUTHORITY					110			147	147	T 890730
332	340412-08 DEAL, BOROUGH OF			900					1,085		BEYOND89
333	340848-01 EAST NEWARK, BOROUGH OF			96		85			203		BEYOND89
334	340907-01 ISLAND HEIGHTS, BOROUGH OF			63		295			376		BEYOND89
335	340753-01 EGG HARBOR TWP. MUA			80					97		BEYOND89
336	340590-02 BAY HEAD BOROUGH			122					149		BEYOND89

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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
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FEDERAL FISCAL YEAR 1989 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			
337	340722-01 STONE HARBOR BOROUGH			178					217		BEYOND89
338	340665-01 LONGPORT BOROUGH			166					203		BEYOND89
339	340691-05 MIDDLE TWP (CAPE MAY COURT HOUSE)			127			411		559		BEYOND89
340	340626-03 WEST WILDWOOD BOROUGH			396					479		BEYOND89

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
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PROJECT NARRATIVES

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : FLEMINGTON, BOROUGH OF

Project No. : 340440-03 Eligible Project Cost : $399,993
FY89 RANK : 1.0
County : HUNTERDON Total State Amount : $399,993

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	0
Agricultural Water Use	25	25
Industrial Water Use	25	25
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	325

B. Existing Water 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
Primary Discharge	500	0
I/I Correction-Overflow	250	250
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	250
	Population	.00427
	TOTAL POINTS	775.00427

Project Name, Number

Priority List Rank

Borough of Flemington
C340440-03
Major Sewer System Rehabilitation

1

County

Hunterdon

Service Area

Flemington

Existing Population

4,266

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 major sewer system rehabilitation for the project will consist of the installation of a sanitary sewer line to stop the overflow of raw sewage on East Main Street. The existing 15 inch pipe is undersized for the peak storm flow.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : MONTVILLE TOWNSHIP MUA

Project No. : 340467-05 Eligible Project Cost : $3,700,000
FY89 RANK : 2.0
County : MORRIS Total State Amount : $3,700,000

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	100
Fecal Coliform	0	50	100	100
Nutrients	0	25	50	50
Toxics	0	25	50	25
			SUBTOTAL	275

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	200
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	200
	Population	.01534
	TOTAL POINTS	725.01534

Project Name, Number

Priority List Rank

Montville Township Municipal U.A.
C340467-05
P.S., F.M., Int.

2

County

Morris

Service Area

Montville Township

Existing Population

15,339

Need for Project

Two existing wastewater treatment plants (Brook Valley STP and Norrland STP) discharge to the Valhalla Brook and eventually flow to the Rockaway River (stream classification FW2-NT, a fishable non-trout stream with industrial use). These two plants have been unable to achieve standards of secondary treatment which impacts the water quality of the receiving stream for biochemical oxygen demand, dissolved oxygen and fecal coliform (despite a high dosage of chlorine). Another existing wastewater treatment plant (Forest Park) discharges into the Passaic River approximately 4 miles north of the Singac intake of the Passaic Valley Water Supply (classified FW2-NT). The receiving stream marginally meets standards for fecal coliform, dissolved oxygen and nutrients. This project is needed to meet the requirements of secondary treatment and also its NJPDES permit.

STP (level of treatment)	Flow (mgd)		Effluent			
	Design	Present	BOD reported		SS reported	
			%	mg/l	%	mg/l
Brook Valley (NJ 0030287)	0.003	0.045	17.5	49.5	77	29.5
Norrland (NJ 0030317)	0.003	0.006	64.2	21.5	79.4	13.0
Forest Park (NJ0024431)	0.035	0.035	73.1	72.5	87.6	86.5

Project Description

This project involves the construction of a sewage pumping station, force main, and appurtenances to eliminate the Forest Park Treatment Facility. It also involves the extension of a fifteen inch interceptor from an existing trunk sewer to Rt. 202, and the construction of an 8-inch interceptor. The construction of these interceptors (with gravity connections) will allow the Brook Valley and Norrland Treatment Facilities to be eliminated and will convey sewage to the Parsippany Troy-Hills STP for treatment. Inadequate secondary treatment will be resolved as a result of this project.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : CAPE MAY POINT BOROUGH

Project No. : 340598-02 Eligible Project Cost : $2,525,047
FY89 RANK : 3.0
County : CAPE MAY Total State Amount : $2,525,047

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	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	275

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	0
			SUBTOTAL	175

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
Primary Discharge	500	0
I/I Correction-Overflow	250	250
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	250
	Population	.00028
	TOTAL POINTS	700.00028

Project Name, Number	Priority List Rank
Cape May Point Borough C340598-02 Major Sewer System Rehabilitation	3

County

Cape May

Service Area

Cape May Point Borough

Existing Population

289
2,880 (Summer Peak)

Need for Project

The existing Cape May Point Collection System was constructed in 1905 with four and six inch diameter terra cotta pipe. Very flat slopes and infiltration cause the system to clog easily, backing up sewage into the streets. The system has large amounts of infiltration/inflow during periods of rain or high groundwater and exfiltrates raw sewage during dry weather. These conditions, in addition to failing on-site systems, have a detrimental effect on the surrounding water bodies which are classified as primary recreation and shellfish areas. Fecal coliform standards are in violation, with DO and nutrients levels marginally acceptable.

Project Description

This project proposes the replacement of the existing system and extending service to failing on-site systems in order to alleviate the present health hazards associated with the raw sewage overflows.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : RARITAN TWP MUA

Project No. : 340485-03 Eligible Project Cost : $10,853,474
FY89 RANK : 4.0
County : HUNTERDON Total State Amount : $10,853,474

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	0
Agricultural Water Use	25	25
Industrial Water Use	25	25
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	325

B. Existing Water 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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	200
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	200
	Population	.02295
	TOTAL POINTS	675.02295

Project Name, Number	Priority List Rank
Raritan Township MUA (RTMUA) C340485-03 STP, EXP & UPGR, INT.	4

County

Hunterdon

Service Area

Delaware Township (25%), East Amwell Township (82%), Franklin Township (13%), Readington Township (24%), Flemington Borough (100%), Raritan Township (100%)

Existing Population

22,946

Need for Project

The Flemington Borough STP is currently experiencing operational deficiencies resulting in unsatisfactory performance and problems in meeting effluent limitations. In addition, the Flemington Borough STP bypasses up to 0.5 mgd to the RTMUA plant during moderate rainfall, resulting in a flow greater than the 1.6 mgd design capacity. The inadequate discharge has an adverse impact on the South Branch of the Raritan River which is classified as a FW-2 trout maintenance stream. This discharge contributes to the marginal toxics, ammonia-nitrogen and nutrient levels, and excessive bacteriological concentrations encountered in the receiving water, thus adversely effecting its utilization for trout maintenance, agricultural, and industrial applications. This discharge is also upstream of the Elizabethtown Water Company potable water intake on the Raritan River.

STP (level of treatment)	Flow (mgd)		Effluent			
	Design	Present	BOD Reported % - mg/l		SS Reported % - mg/l	
Raritan Township MUA (Secondary)	1.6	1.7	91.7 - 15.6		87.6 - 13.2	
Flemington Borough (Secondary)	0.46	1.25	92	22	84.3	26

Project Description

This project will consist of the construction of an interceptor to connect the Flemington STP into the RTMUA STP. It also includes the expansion and upgrading of the RTMUA treatment plant to accept these additional flows.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : HOPATCONG BOROUGH

Project No. : 340488-03 Eligible Project Cost : $23,932,885
FY89 RANK : 5.0
County : SUSSEX Total State Amount : $23,932,885

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	100
Fecal Coliform	0	50	100	50
Nutrients	0	25	50	50
Toxics	0	25	50	25
			SUBTOTAL	225

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.01509
	TOTAL POINTS	675.01509

Project Name, Number

Priority List Rank

Borough of Hopatcong
C340488-03
Local Wastewater System/Collection

5

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. Presently, wastewater treatment in Hopatcong Borough consists of individual sewerage systems. There are reported septic system failures which have been determined to adversely affect fishable trout and primary contact recreation waters. DO and nutrients levels are unacceptable, while fecal coliform and toxic levels are marginally acceptable. If these failures continue, it could create a potential health and ground water problem.

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 a cluster of septic tank effluent pump sewer systems with a 6" or less collector gravity line drainage to a mound community drainfield. The proposed Hopatcong Borough STEP sewer system 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.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : MANVILLE BOROUGH

Project No. : 340578-05 Eligible Project Cost : $2,159,753
FY89 RANK : 6.0
County : SOMERSET Total State Amount : $2,159,753

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	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
Primary Discharge	500	0
I/I Correction-Overflow	250	250
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	250
	Population	.01265
	TOTAL POINTS	675.01265

Project Name, Number

Priority List Rank

Borough of Manville
C340578-05
Infiltration/Inflow Correction-Overflow

6

County

Somerset

Service Area

Manville Boro, Hillsborough Twp. (portion)

Existing Population

12,654

Need for Project

Rehabilitation of the collection system is needed in conjunction with upgrading the existing Manville STP to alleviate the hydraulic overloading and surcharging experienced at the existing pump station. This surcharging, into the Millstone River (FW2-NT), presently presents a potential health hazard to local residents through direct exposure to raw sewage. It also adversely affects the fishable, industrial, and potable water uses of the river. Fecal coliform and nutrients standards are in violation, with toxic levels marginally acceptable.

Project Description

The proposed project includes expanding the existing pump station to a capacity sufficient to handle flows from the existing population and I/I which cannot be removed from the sewer system. The pump station will be elevated above the flood level and an emergency generator installed. The force main from the pump station to the treatment plant will be replaced with larger pipe. Portions of the collection system will be grouted or replaced.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : BRIDGEWATER TWP. SA

Project No. : 340638-04 Eligible Project Cost : $1,307,637
FY89 RANK : 7.0
County : SOMERSET Total State Amount : $1,307,637

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	200
Freshwater Fisheries (Trout/Nontrout)	75/25	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	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
Primary Discharge	500	0
I/I Correction-Overflow	250	250
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	250
	Population	.01220
	TOTAL POINTS	675.01220

Project Name, Number

Township of Bridgewater
C340638-04
Rehab

Priority List Rank

7

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.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : JEFFERSON TOWNSHIP

Project No. : 340747-05 | Eligible Project Cost : $15,369,381
FY89 RANK : 8.0
County : MORRIS | Total State Amount : $15,369,381

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	100
Fecal Coliform	0	50	100	50
Nutrients	0	25	50	50
Toxics	0	25	50	25
			SUBTOTAL	225

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.00869
	TOTAL POINTS	675.00869

Project Name, Number
Jefferson Township
C340747-05
INT, PS, FM, COLL, IND SYS

Priority List Rank
8

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) Design	Present	Effluent 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 design and construction of a collection system for the Musconetcong River Basin portion of Jefferson which will 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.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : PASSAIC TWP

Project No. : 340404-02 Eligible Project Cost : $5,443,821
FY89 RANK : 9.0
County : MORRIS Total State Amount : $5,443,821

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	200
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	200
	Population	.00764
	TOTAL POINTS	675.00764

Project Name, Number

Priority List Rank

Passaic Township
C340404-02
Upgrade and Expansion of STP

9

County

Morris

Service Area

Passaic Township

Existing Population

7,644

Need for Project

The Township of Passaic Sewage Treatment Plant currently provides secondary treatment. In May 1984, an amendment to the Northeast Water Quality Management Plan was approved by the NJDEP allowing the STP to be expanded to 0.9 mgd and to provide nitrogen removal. Since Passaic Township cannot meet the deadlines of the Clean Water Act, an Administrative Consent Order (ACO) has been executed requiring the township to meet final effluent limitations by August 1, 1991. The proposed project will enable Passaic Township to comply with the requirements of the ACO.

The Passaic River does not meet standards for toxics and fecal colfirm, and only marginally meets standards for nutrients and dissolved oxygen. Potable water, non-trout fishery, and industrial uses of this water body are impacted by the STP.

STP (level of treatment)	Flow (mgd)		Effluent			
	Design	Present	BOD Reported		SS Reported	
			%	mg/l	%	mg/l
Passaic Township (secondary) (NJ0024465)	0.65	.97	89	19.7	89	20

Project Description

The proposed project includes the installation of a new oxidation ditch, sand filter, and UV disinfection system; modification of existing clarifiers; upgrading of sludge handling facilities; and rehabilitation of a pump station wet well.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : RARITAN BOROUGH

Project No. : 340781-04 Eligible Project Cost : $408,541
FY89 RANK : 10.0
County : SOMERSET Total State Amount : $408,541

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	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
Primary Discharge	500	0
I/I Correction-Overflow	250	250
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	250
	Population	.00599
	TOTAL POINTS	675.00599

Project Name, Number

Priority List Rank

Raritan Borough
C340781-04
Infiltration/Inflow Correction-Overflow

10

County

Somerset

Service Area

Raritan Borough

Existing Population

5,987

Need for Project

Many of the sewers in the Borough are at least 75 years old and have never been rehabilitated. The infiltration/inflow 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, previously FW-2. 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 require 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 SRVSA plant.

NEW JERSEY STATE LIBRARY

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : ROXBURY TWP-LSH

Project No. : 340548-03 Eligible Project Cost : $10,952,812
FY89 RANK : 11.0
County : MORRIS Total State Amount : $10,952,812

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	100
Fecal Coliform	0	50	100	50
Nutrients	0	25	50	50
Toxics	0	25	50	25
			SUBTOTAL	225

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.00491
	TOTAL POINTS	675.00491

Project Name, Number | Priority List Rank

Township of Roxbury - Landing & Shore Hill Area | 11
C340548-03
Alternative Collection

County

Morris

Service Area

Landing and Shore Hills area

Existing Population

4,908

Need for Project

At present, sewerage facilities in the Landing and Shore-Hills area of the Township of Roxbury consist of individual septic systems. Investigations have indicated septic system failures, which impact fishable trout, potable, and primary contact recreation waters, and could create a potential health and groundwater problem. Existing water quality (of Lake Hopatcong, FW2-TM) in the Roxbury area marginally meets standards for fecal coliform and toxics, but does not meet standards for D.O. and nutrients.

Project Description

The proposed system for the Landing and Shore Hills area of the Township consists of two types of collection systems: (1) conventional gravity, and (2) grinder pumps in combination with pressure sewers. The effluent is to be pumped to Musconetcong's proposed interceptor system where it will be treated by the Musconetcong Sewerage Authority STP located in Stanhope Borough.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : MOUNT ARLINGTON BOROUGH

Project No. : 340541-03 Eligible Project Cost : $12,110,426
FY89 RANK : 12.0
County : MORRIS Total State Amount : $12,110,426

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	100
Fecal Coliform	0	50	100	50
Nutrients	0	25	50	50
Toxics	0	25	50	25
			SUBTOTAL	225

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.00366
	TOTAL POINTS	675.00366

Project Name, Number

Priority List Rank

Borough of Mount Arlington
C340541-03
Collection System, Int.

12

County

Morris

Service Area

The portion of Mt. Arlington which lies in the Upper Musconetcong Drainage Basin.

Existing Population

3,662

Need for Project

The Borough of Mt. Arlington has been dealing with its sanitary wastes using individual septic tanks and leaching fields. There have been septic system failures which could create a potential health and ground water problem. The water quality (of Lake Hopatcong, FW2-TM) in the area marginally meets standards for fecal coliform and toxics and does not meet standards for dissolved oxygen and nutrients. Fishable trout, potable water, and primary contact recreational uses of the lake are impacted.

Project Description

The Musconetcong Sewerage Authority performed a 201 Facilities Plan for the Upper Musconetcong Drainage Basin. Mount Arlington had participated in the original study, but decided not to participate in the most recent work. Therefore, the Township will have to complete their portion of the study on their own. This work will include investigation of small community or alternative systems, needs survey, and a facilities plan update.

Contract Documents for a sewer system in Mount Arlington have been prepared under the State Planning Loan Program. If it is determined that a sewer system is, in fact, the most cost effective and environmentally sound alternative, then the plans which were prepared will be utilized. The Collection System would connect into the Regional Musconetcong Sewerage Authority. Other viable alternatives include local wastewater treatment systems.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : PHILLIPSBURG, TOWN OF

Project No. : 340874-01 Eligible Project Cost : $1,052,606
FY89 RANK : 13.0
County : WARREN Total State Amount : $1,052,606

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	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	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
Primary Discharge	500	0
I/I Correction-Overflow	250	250
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	250
	Population	.01599
	TOTAL POINTS	650.01599

Project Name, Number

Priority List Rank

Town of Phillipsburg
C340874-01
Infiltration/Inflow Correction-
Overflow

13

County

Warren

Service Area

The planning area lies in the Delaware Watershed and consists solely of the Town of Phillipsburg.

Existing Population

15,992

Need for Project

A sanitary collection system serves the planning area, with Phillipsburg nearly 100% sewered. The existing Phillipsburg plant (NJ0024716) presently treats domestic and industrial waste from four 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). Additionally, there are known cross connections 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. Trout fishery, primary contact recreation, and agricultural and industrial water uses are also adversely impacted. 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

A 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 system and at the plant.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : BURLINGTON TOWNSHIP

Project No. : 340712-03 Eligible Project Cost : $2,665,627
FY89 RANK : 14.0
County : BURLINGTON Total State Amount : $2,665,627

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	100
Nutrients	0	25	50	25
Toxics	0	25	50	25
			SUBTOTAL	200

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	200
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	200
	Population	.01169
	TOTAL POINTS	650.01169

Project Name, Number	Priority List Rank
Burlington Township C340712-03 STP	14

County

Burlington

Service Area

Burlington Township

Existing Population

11,686

Need for Project

1. Assiscunk Creek (FW2-NT, previously FW-2) - Nontrout stream with consistent violations of fecal coliforms, total phosphorus and ammonia- nitrogen. The LaGorce Square STP discharge is near the confluence with the Delaware River and thus affects the water quality at the Philadelphia-Torresdale potable water intake. There are numerous farms along the Assiscunk Creek.

2. Delaware River (Zone 2) - Nontrout stream with marginal violations of D.O. and fecal coliform standards. The Burlington Township-Central Avenue STP discharge affects the water quality at the Philadelphia-Torresdale potable water intake. There are numerous farms along the Delaware River.

STP (level of treatment)	Flow (mgd)		Effluent	
	Design	Present	BOD Reported % - mg/l	SS Reported % - mg/l
Central Avenue STP (Secondary) (NJ0021709)	1.28	1.16	82.7 - 29.0	82 - 29.3
LaGorce Square STP (Tertiary) (NJ0021695)	0.20	.12	91.7 - 19.8	94 - 10.5

Project Description

Both STP's are proposed for upgrading. The Central Avenue plant will receive an effluent polishing filter.

The ultimate sludge disposal will be incorporated into the on-going county-wide sludge and septage management plan recommendations.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : DELRAN SA-RIVERSIDE

Project No. : 340794-03 Eligible Project Cost : $2,169,780
FY89 RANK : 15.0
County : BURLINGTON Total State Amount : $2,169,780

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	200
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	200
	Population	.00779
	TOTAL POINTS	650.00779

Project Name, Number	Priority List Rank
Delran Sewerage Authority-Riverside C340794-03 STP, Int, PS, FM, Sludge Management	15

County

Burlington

Service Area

Riverside Township

Existing Population

7,787

Need for Project

Rancocas Creek (FW2-NT, previously FW-2) - Nontrout stream with severe violations of fecal coliform and marginal violations of D.O., toxics and total phosphorus at the upper mainstream. The Delran STP discharges in the tidal estuary of the Rancocas Creek and adversely affects the water quality of the Delaware River at the Philadelphia Torresdale potable water intake. The tidal estuary of the Rancocas is a source of water for industries along the Delaware River.

STP (level of treatment)	Flow (mgd)		Effluent	
	Design	Present	BOD Reported % - mg/l	SS Reported % - mg/l
Riverside STP (secondary) (NJ0023507)	1.00	1.00	67.6 - 59	81.8 40

Project Description

The Riverside STP is proposed for upgrading to improve its inadequate
be a new

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : TRIBORO-PALMYRA

Project No. : 340763-04 Eligible Project Cost : $3,425,000
FY89 RANK : 16.0
County : BURLINGTON Total State Amount : $3,425,000

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	200
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	200
	Population	.00724
	TOTAL POINTS	650.00724

Project Name, Number

Tri-Borough - Palmyra
C340763-04
Secondary STP, SL MGMT

Priority List Rank

16

County

Burlington

Service Area

Borough of Palmyra

Existing Population

7,236

Need for Project

The Borough of Palmyra Wastewater Treatment Plant has been periodically in violation of its respective NJPDES permit requirements concerning BOD and SS and operates with inadequate secondary treatment. The plant is under a local sewer connection ban. The receiving stream is the Delaware River, which is classified as Zone 2, non-trout with industrial water use. The Palmyra Sewage Treatment Plant discharge affects the water quality of the Delaware River for the potable water use including a major potable water supply at Torresdale. The existing water quality of the Delaware River at the plant discharge point marginally meets the dissolved oxygen, nutrients and toxics standards, but does not meet the fecal coliform standards.

STP (level of treatment)	Flow (mgd)		Effluent	
	Design	Present	BOD Reported % - mg/l	SS Reported % - mg/l
Palmyra (Secondary) (NJ0024449)	0.53	0.58	63.4 - 61.3	80 - 30.1

Project Description

The Tri-Borough Wastewater Facilities Plan recommends that the existing Palmyra Borough Sewage Treatment Plant be expanded and upgraded by using the oxidation ditch process to comply with the NJPDES permit requirements. The project shall also include sludge management facilities. The ultimate sludge disposal will be incorporated into the on-going county-wide sludge/septage management plan recommendations.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : TRIBORO-RIVERTON (RIVERTON)

Project No. : 340763-05 Eligible Project Cost : $314,840
FY89 RANK : 17.0
County : BURLINGTON Total State Amount : $314,840

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	200
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	200
	Population	.00294
	TOTAL POINTS	650.00294

Project Name, Number	Priority List Rank
Tri-Boro - Riverton (Riverton) C340763-05 STP	17

County

Burlington

Service Area

Borough of Riverton

Existing Population

2,935

Need for Project

The Borough of Riverton Wastewater Treatment Plant has been periodically in violation of its respective NJPDES permit requirements concerning BOD and SS. The plant is under a local sewer connection ban. The receiving stream is the Delaware River, which is classified as Zone 1, non-trout with industrial water use. The Riverton Sewage Treatment Plant discharge affects the water quality of the Delaware River for potable water use including a major potable water supply at Torresdale. The existing water quality of the Delaware River at the plant discharge point marginally meets the dissolved oxygen, nutrients and toxics standards, but does not meet the fecal coliform standards.

STP (level of treatment)	Flow (mgd)		Effluent	
	Design	Present	BOD Reported % - mg/l	SS Reported % - mg/l
Riverton (Secondary) (NJ0021610)	0.22	0.152	91.0 - 16.7	88.9 - 23

Project Description

The Borough of Riverton is under an Administrative Consent Order to comply with its NJPDES permit requirements for Level 4 treatment. The plant currently operates at treatment Level 3 in the winter. The proposed project is to retrofit the existing Riverton Borough Sewerage Treatment Plant to comply with the stipulated Level 4 effluent standards year-round. The ultimate disposal of sludge will be incorporated into the on-going county-wide sludge/septage management plan recommendations.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : LOWER TOWNSHIP MUA

Project No. : 340810-02 Eligible Project Cost : $12,781,010
FY89 RANK : 18.0
County : CAPE MAY Total State Amount : $12,781,010

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	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	275

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	50
Toxics	0	25	50	0
			SUBTOTAL	150

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	200
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	200
	Population	.02011
	TOTAL POINTS	625.02011

Project Name, Number — Priority List Rank

Lower Township Municipal Utilities Authority — 18
C340810-02
Wastewater Treatment Plant
Expansion and Upgrading

County

Cape May

Service Area

Lower Township, Del Haven Section of Middle Township

Existing Population

20,110

Need for Project

The Lower Township MUA is presently working under an Administrative Consent Order with the Department to upgrade the existing secondary wastewater treatment facilities. Failure of the liquid treatment train has resulted in the carrying over of excessive quantities of suspended solids into the polishing lagoons. This has resulted in excessive sludge build up and odors. The failure of the secondary treatment process is not reflected in the monitoring reports (DMR's) due to the presence of the polishing lagoons. Furthermore, the inadequate design and construction of the sludge drying beds is resulting in contamination of the groundwater.

The receiving body for the treatment plant effluent does not meet water quality standards for nutrients and only marginally meets standards for dissolved oxygen and fecal coliform. Thus, the potential uses for fishing, shellfish harvesting and primary contact recreation are limited.

STP (level of treatment)	Flow (mgd) Design	Present	Effluent BOD Reported % - mg/l	SS Reported % - mg/l
Lower Twp. MUA (Secondary) (NJ0023809)	3.0	1.56	95 - 14	95 - 10

Project Description

The proposed project will involve the upgrade and expansion of the secondary wastewater treatment facility and the upgrading of the sludge handling facilities.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : ORADELL, BOROUGH OF

Project No. : 340835-01 Eligible Project Cost : $258,644
FY89 RANK : 19.0
County : BERGEN Total State Amount : $258,644

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	50
Fecal Coliform	0	50	100	50
Nutrients	0	25	50	25
Toxics	0	25	50	25
			SUBTOTAL	150

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
Primary Discharge	500	0
I/I Correction-Overflow	250	250
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	250
	Population	.00847
	TOTAL POINTS	600.00847

Project Name, Number

Priority List Rank

Oradell, Borough of
C340835-01
Infiltration/Inflow Correction-Overflow

19

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.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : ATLANTIC COUNTY UA (UGEH/MRR)

Project No. : 340518-02 Eligible Project Cost : $2,968,589
FY89 RANK : 20.0
County : ATLANTIC Total State Amount : $2,968,589

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	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	275

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	25
Toxics	0	25	50	0
			SUBTOTAL	125

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	200
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	200
	Population	.00682
	TOTAL POINTS	600.00682

Project Name, Number	Priority List Rank
Atlantic Co. UA - Mullica Region C340518-02 P.S., F.M.	20

County

Atlantic

Service Area

Egg Harbor City

Existing Population

4,750

Need for Project

The existing Egg Harbor City wastewater treatment facility can be characterized as inadequate secondary treatment due to periodic non-compliance with discharge requirements for BOD and suspended solids. In addition, the flow to the plant is more than the design capacity of the plant. The wastewater treatment plant discharges its effluent to Landing Creek (PL), a tributary to the Mullica River. The water quality of the river exhibits high nutrient concentrations and low D.O. levels, localized and periodic elevated coliform counts, and high BOD loadings which can be associated with the wastewater treatment plant discharge. Primary contact recreation, non-trout fishery and shellfish harvesting are also affected.

STP (level of treatment)	Flow (mgd)		Effluent	
	Design	Present	BOD Reported % - mg/l	SS Reported % - mg/l
Egg Harbor City (secondary) (NJ0024589)	0.34	0.60	84.5 - 35.5	68.0 - 37.9

Project Description

Egg Harbor City is under a NJDEP Consent Order to abandon the existing sewage treatment plant; the wastewater will be conveyed via a new pump station and force main to the Atlantic County UA regional facility in Atlantic City.

The project, when completed, will improve the water quality of the Mullica River.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : WEST MILFORD MUA (CRESCENT PARK)

Project No.	: 340701-04	Eligible Project Cost	:	$455,000
FY89 RANK	: 21.0			
County	: PASSAIC	Total State Amount	:	$455,000

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	125
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	350

B. Existing Water Quality

Parameter	Meets Standards	Marginally 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
Primary Discharge	500	0
I/I Correction--Overflow	250	0
Inadequate Secondary Treatment	200	200
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	200
	Population	.00040
	TOTAL POINTS	600.00040

Project Name, Number	Priority List Rank
West Milford MUA (Crescent Park) C340701-04 STP	21

County

Passaic

Service Area

Portion of the Township of West Milford

Existing Population

400

Need for Project

The effluent from the Crescent Park STP is not meeting water quality standards required under the NJPDES permit. The Crescent Park STP discharges into Belchers Creek. (a tributary of Pinecliff Lake). This water body is a non-trout fishery, with potable water supply and primary contact recreation uses. Water quality is not meeting standards for nutrients. To comply with the Clean Water Act and NJDEP directives in the recently signed Administrative Consent Order, the West Milford Township MUA must upgrade the STP to meet Level 4 treatment as specified in the Northeast Water Quality Management Plan (amended 1986).

STP (level of treatment)	Flow (mgd)		Effluent			
	Design	Present	BOD Reported		SS Reported	
			%	mg/l	%	mg/l
Crescent Park (secondary) (NJ0026174)	.064	.052	93.0 - 16.9		74.1 - 26.2	

Project Description

The proposed project includes the construction of a new treatment plant adjacent to the Crescent Park Development. The new STP would be required to meet Level 4 treatment limits; the existing Crescent Park STP will be deactivated. The Bald Eagle STP will also be expanded and upgraded and the existing Crescent Park lift station will be renovated to pump all sewage to the Bald Eagle STP (thus eliminating all flows to the Crescent Park STP). An interceptor connecting the Crescent Park STP and Bald Eagle STP will also be constructed. The upgrading of the Bald Eagle STP includes new RBC units, denitrification units, and disposal beds for in-ground discharge.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : OAKLAND, BOROUGH OF

Project No. : 340418-03 Eligible Project Cost : $14,594,000
FY89 RANK : 22.0
County : BERGEN Total State Amount : $14,594,000

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	125
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	350

B. Existing Water 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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.01299
	TOTAL POINTS	575.01299

Project Name, Number

Oakland, Borough of
C340418-03
STP

Priority List Rank

22

County

Bergen

Service Area

Borough of Oakland

Existing Population

12,990

Need for Project

The area is currently served by septic systems and some small package treatment plants. Ground and surface water (Ramapo River, FW2-NT), used for recreation as well as a potable water source, is being degraded by failure of existing disposal facilities, occasioned by high groundwater and impervious soils. Water quality marginally meets standards for toxics, but fecal coliform and nutrient levels do not meet standards.

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, interceptor sewers and a treatment facility. This project is for the construction of a treatment facility providing Level IV treatment.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : OAKLAND, BOROUGH OF

Project No. : 340418-05 Eligible Project Cost : $37,815,000
FY89 RANK : 23.0
County : BERGEN Total State Amount : $37,815,000

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	125
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	350

B. Existing Water 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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.01298
	TOTAL POINTS	575.01298

Project Name, Number

Oakland, Borough of
C340418-05
Collection System

Priority List Rank

23

County

Bergen

Service Area

Borough of Oakland

Existing Population

12,990

Need for Project

The area is currently served by septic systems and some small package treatment plants. Ground and surface water (Ramapo River, FW2-NT), used for recreation as well as a potable water source, is being degraded by failure of existing disposal facilities occasioned by high ground water and impervious soils. Fecal coliform and nutrients standards are presently in violation, with toxics levels marginally acceptable. Project has same priority designation as the STP (418-03).

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, interceptor sewers and a treatment facility. This project involves the collection and interceptor sewers.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : WARREN CO-PAULINSKILL/BLAIRSTOWN

Project No. : 340453-03 Eligible Project Cost : $2,390,413
FY89 RANK : 24.0
County : WARREN Total State Amount : $2,390,413

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	200
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	200
	Population	.00489
	TOTAL POINTS	575.00489

Project Name, Number	Priority List Rank
Warren County Paulinskill/Blairstown C340453-03 STP, Int., PS, FM, Sludge/Septage	24

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. Water quality sampling will be done in 1988. 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)		Effluent	
	Design	Present	BOD Reported % - mg/l	SS Reported % - mg/l
Blair Academy (Secondary)	0.05	0.007	96.0 - 14.6	92.1 - 17.2
North Warren Regional High School (Secondary)	0.005	0.004	91.3 - 13.6	88.8 - 13.6

Project Description

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

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : RAHWAY VALLEY SA

Project No. : 340547-04 Eligible Project Cost : $4,454,468
FY89 RANK : 25.0
County : UNION Total State Amount : $4,454,468

I. SEGMENT POINTS

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	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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.02669
	TOTAL POINTS	551.02669

Project Name, Number | Priority List Rank

Rahway Valley Sewerage Authority (City of Rahway) 25
C340547-04
Combined Sewer Overflow Abatement

County

Union

Service Area

Rahway City

Existing Population

26,686

Need for Project

The applicant operates a thirty-five (35) million gallon 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

Of the above project area only Rahway City has combined sewers. The combined sewer overflow study was done as part of an I/I study for the overall study area. The study recommends 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.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : MIDDLESEX COUNTY UA

Project No. : 340699-03 Eligible Project Cost : $339,237,984
FY89 RANK : 26.0
County : MIDDLESEX Total State Amount : $339,237,984

I. SEGMENT POINTS

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	50
Toxics	0	25	50	50
			SUBTOTAL	250

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.49657
	TOTAL POINTS	550.49657

Project Name, Number

Priority List Rank

Middlesex County U.A. (MCUA)
C340699-03
Outfall

26

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 nutrients and 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 : BAYSHORE REGIONAL SA

Project No. : 340697-03 Eligible Project Cost : $27,779,392
FY89 RANK : 27.0
County : MONMOUTH Total State Amount : $27,779,392

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	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	50
Nutrients	0	25	50	25
Toxics	0	25	50	25
			SUBTOTAL	100

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	200
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	200
	Population	.06450
	TOTAL POINTS	550.06450

Project Name, Number	Priority List Rank
Bayshore Regional Sewerage Authority C340697-03 Phase III Expansion Program	27

County

Monmouth

Service Area

Boroughs of Union Beach, Keansburg, Keyport, Matawan, Township of Hazlet, Holmdel (northern portion), Marlboro (northern portion)

Existing Population

64,498

Need for Project

The Bayshore Regional Sewerage Authority (BRSA) treatment plant has identified plant deficiencies in a "Task 13" Evaluation Report. Some of these deficiencies have been corrected in projects funded by the authority. The plant is presently operating near 80% of design capacity. The Bayshore area is experiencing growth in residential construction and population; additional growth is predicted by the Bayshore Development Council. The sludge incinerator used at BRSA has energy recovery/conservation possibilities that could lower overall operating costs.

The degradation of water quality in the receiving waters for the treatment plant has limited the potential uses for shellfish harvesting and recreational activities. Marginal violations exist for fecal coliform, toxics, and nutrients.

STP (level of treatment)	Flow (mgd)		Effluent	
	Design	Present	BOD Reported % - mg/l	SS Reported % - mg/l
Bayshore Regional Secondary (NJ0024708)	8.0	7.1	79.0 - 34.6	86.0 - 26.2

Project Description

The proposed project will provide for the most cost-effective, environmentally sound solution to the wastewater treatment needs of Northern Marlboro and a portion of Holmdel, as well as development in the remaining communities. The solution will most likely entail the expansion of the BRSA regional facilities, including the remaining "Task 13" deficiencies and energy conservation considerations of the sludge incinerator. The completion of this project will provide the BRSA service area with adequate secondary wastewater treatment.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : SUSSEX COUNTY MUA/NEWTON

Project No. : 340449-03 Eligible Project Cost : $7,362,580
FY89 RANK : 28.0
County : SUSSEX Total State Amount : $7,362,580

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	50
Fecal Coliform	0	50	100	50
Nutrients	0	25	50	50
Toxics	0	25	50	25
			SUBTOTAL	175

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	200
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	200
	Population	.01922
	TOTAL POINTS	550.01922

Project Name, Number

Priority List Rank

Sussex County-Paulinskill/Newton
C340449-03
STP

28

County
Sussex

Service Area

The study area is delineated as the entire drainage basin of the Paulinskill River in Sussex County and includes the Newton and Branchville/Frankford area. This Phase I - Newton Area project consists of the Town of Newton, and Hampton, Fredon, and Andover Townships.

Existing Population
19,222

Need for Project

There are only two treatment plants currently operating within the Newton Planning Area. The Big "N" Shopping Center (NJ0024163) located in Hampton discharges to a small tributary to the Paulinskill River (FW2-NT). The Township of Newton discharge (NJ0020184) represents upwards of 85% of the total load to the entire length of the Paulinskill from point sources of discharge (more than 95% of the total load within the sensitive headwater reaches of Sussex County). The Paulinskill is subject to severe nutrient problems, but marginally meets standards for dissolved oxygen, fecal coliform and toxics. Downstream water quality considerations include Paulinskill Lake, a recreational water body and fishery and agricultural water uses are adversely impacted. The Newton treatment facility is presently incapable of achieving secondary treatment.

STP (level of treatment)	Flow (mgd) Design	Present	Effluent BOD Reported % - mg/l	SS Reported % - mg/l
Town of Newton STP NJ0020184 (AST-90%)	1.0	1.16	86.1 - 32.1	71.7 - 29.3
Big "N" Shopping Center NJ0024063 (AST-90%)	0.022	0.0007	88 - 17.3	91 - 14.1

Project Description

The proposed project would allow for the construction of the following proposed improvements to the Newton Sewage Treatment Plant: new bar screen and grit chambers, flow equalization basins, new circular primary clarifers, phosphorus removal (seasonal), rotating biological contactors, chemical addition (pH buffer), new circular secondary clarifiers, improved disinfection and flow measurement. This would resolve the current inadequate secondary treatment and allow the discharge to meet the treatment levels necessary to provide for the protection of water quality. The implementing agency for this project (Sussex County MUA/Town of Newton) must be resolved.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : ABERDEEN TOWNSHIP MUA

Project No. : 340868-01 Eligible Project Cost : $7,530,018
FY89 RANK : 29.0
County : MONMOUTH Total State Amount : $7,530,018

I. SEGMENT POINTS

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	50
Nutrients	0	25	50	25
Toxics	0	25	50	25
		SUBTOTAL		100

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	200
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	200
	Population	.01879
	TOTAL POINTS	550.01879

Project Name, Number	Priority List Rank
Aberdeen Township Municipal Utilities Authority C340868-01 STP	29

County

Monmouth

Service Area

Aberdeen Township

Existing Population

18,789

Need for Project

The Aberdeen Township Municipal Utilities Authority (ATMUA) operates three treatment facilities within the BRSA Service Area. These facilities are experiencing varying degrees of success in meeting their effluent limitations. The overall project need is based upon the inadequate treatment being provided in the BRSA planning area. The degradation of water quality in the receiving waters (SE-1) of the above mentioned treatment plants has placed limitations on the potential uses for shellfish harvesting and recreational activities. Marginal violations exist for fecal coliform, toxics and nutrients. The existing treatment plants in the service area are as follows:

STP (level of treatment)	Flow (mgd) Design	Present	Effluent BOD Reported % - mg/l	SS Reported % - mg/l
ATMUA - River Garden Secondary (NJ0022829) (Matawan Creek)	0.1	0.188	42.8 - 63	28.2 - 63.3
ATMUA - Cliffwood Beach Secondary (NJ0022543) (Whale Creek)	0.75	0.396	87.8 - 38.5	43 - 63.1

Project Description

The proposed project will provide for the most cost-effective, environmentally sound solution to the wastewater treatment needs of Aberdeen Township. The project proposes the abandonment of the existing River Gardens wastewater treatment plant and the construction of a pumping station and forcemain to convey the flows from the River Gardens service area to the Cliffwood Beach Plant. Specific unit process would be subject to upgrading at the Cliffwood Beach Plant.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : ABERDEEN TOWNSHIP MUA

Project No. : 340869-01 Eligible Project Cost : $3,102,190
FY89 RANK : 30.0
County : MONMOUTH Total State Amount : $3,102,190

I. SEGMENT POINTS

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	50
Nutrients	0	25	50	25
Toxics	0	25	50	25
			SUBTOTAL	100

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	200
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	200
	Population	.01878
	TOTAL POINTS	550.01878

Project Name, Number	Priority List Rank
Aberdeen Township Municipal Utilities Authority C340869-01 STP	30

County

Monmouth

Service Area

Aberdeen Township

Existing Population

18,789

Need for Project

The Aberdeen Township Municipal Utilities Authority (ATMUA) operates three treatment facilities within the BRSA Service Area. These facilities are experiencing varying degrees of success in meeting their effluent limitations. The overall project need is based upon the inadequate treatment being provided in the BRSA planning area. The degradation of water quality in the receiving waters (SE-1) of the above mentioned treatment plants has placed limitations on the potential uses for shellfish harvesting and recreational activities. Marginal violations exist for fecal coliform, toxics and nutrients. The existing treatment plant in the service area is as follows:

STP (level of treatment)	Flow (mgd)		Effluent	
	Design	Present	BOD Reported % - mg/l	SS Reported % - mg/l
ATMUA - Strathmore Secondary (NJ0022535) (Mohingson Brook)	0.8	0.69	87.5 - 26.3	81 - 26.3

Project Description

The proposed project will provide for the most cost-effective, environmentally sound solution to the wastewater treatment needs of Aberdeen Township. The original Strathmore Wastewater Treatment Plant will be replaced with an upgraded and expanded wastewater treatment plant at the same site.

RSEY STATE LIBRARY

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : SPARTA, TOWNSHIP OF

Project No. : 340495-03 Eligible Project Cost : $2,526,136
FY89 RANK : 31.0
County : SUSSEX Total State Amount : $2,526,136

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	25
Toxics	0	25	50	25
			SUBTOTAL	100

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.01432
	TOTAL POINTS	550.01432

Project Name, Number
Sparta Township
C340495-03
STP, On-Site

Priority List Rank
31

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
The failure rate for individual septic systems is averaging about 3% per year and has become a public nuisance. Many of the existing systems (e.g., cesspool) cannot meet the minimum requirements for subsurface disposal and must be replaced. In addition, 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.

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. Also, this project would include the upgrading of all existing point source discharges to acceptable treatment levels, thus, precluding development of any future point source discharges in Sparta Township for the 20 year planning period.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : NO BERGEN TWP

Project No. : 340652-02 Eligible Project Cost : $134,990
FY89 RANK : 32.0
County : HUDSON Total State Amount : $134,990

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
Primary Discharge	500	0
I/I Correction-Overflow	250	250
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	250
	Population	.00874
	TOTAL POINTS	550.00874

Project Name, Number

Township of North Bergen
C340652-02
Infiltration/Inflow Correction-Overflow

Priority List Rank

32

County

Hudson

Service Area

Portions of the Township of North Bergen

Existing Population

8,748

Need for Project

The Township has proposed improvements to their existing sewer system. There are numerous lines that are constantly surcharging and in turn discharge to the Hackensack River (SE-2), classified for non-trout fishing and industrial water use. DO, fecal coliform, and toxics levels are all unacceptable. Many sanitary connections have been made to storm sewers turning them into combined sewers. These sewers are more than 50 years old and many regulators are inoperative.

Project Description

This proposed project is for the construction of several sewers to alleviate surcharging and to convey additional flow to the existing central treatment plant. The facilities plan is currently being revised.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : PRINCETON SEWER OPERATING COMMITTEE

Project No. : 340656-02 Eligible Project Cost : $11,407,643
FY89 RANK : 33.0
County : MERCER Total State Amount : $11,407,643

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	50
Fecal Coliform	0	50	100	100
Nutrients	0	25	50	50
Toxics	0	25	50	25
			SUBTOTAL	225

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
Primary Discharge	500	0
I/I Correction-Overflow	250	250
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	250
	Population	.02638
	TOTAL POINTS	525.02638

Project Name, Number

Priority List Rank

Princeton Sewer Operating Committee
C340656-02
Infiltration/Inflow Correction - Overflow

33

County

Mercer

Service Area

Princeton Borough, Princeton Township

Existing Population

26,384

Need for Project

The existing collection system in Princeton Borough and Priceton Township (operated by the PSOC) is an old system subject to extreme, identified infiltration and inflow. The lack of transmission capacity available in the system has required the NJPDES permitting of 3 raw sewage discharges to the Millstone River (FW2-NT) and Carnegie Lake (FW2-NT). Raw sewage surcharges into Harry's Brook, a tributary to Carnegie Lake, also occurs between 5 and 10 times a year. The introduction of raw sewage degrades the water quality of all water bodies through the introduction of nutrients and ammonia nitrogen and also contributes to decreased dissolved oxygen levels and increased toxics concentrations. This degradation adversely impacts fishing and other non-contact recreational uses in these water bodies.

Project Description

The collection system will be repaired using standard techniques (grouting, slip lining, sewer replacement) as identified in the Clinton-Bogert Assoc. I/I analysis. The existing trunk sewers will be replaced to provide additional transmission capacity and to remove the permitted raw discharges.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : OCEAN TOWNSHIP SA

Project No. : 340412-06 Eligible Project Cost : $11,687,006
FY89 RANK : 34.0
County : MONMOUTH Total State Amount : $11,687,006

I. SEGMENT POINTS

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	50
Nutrients	0	25	50	25
Toxics	0	25	50	0
			SUBTOTAL	75

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	200
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	200
	Population	.02588
	TOTAL POINTS	525.02588

Project Name, Number

Township of Ocean Sewerage Authority
C340412-06
STP Expansion

Priority List Rank

34

County

Monmouth

Service Area

Township of Ocean, Village of Loch Arbour, Borough of Allenhurst and Borough of Interlaken

Existing Population

25,879

Need for Project

The Township of Ocean Sewerage Authority wastewater facility can be characterized as inadequate secondary discharging into the Atlantic Ocean (SC). Shellfish harvesting and primary contact recreation are adversely impacted, with fecal coliform and nutrients levels marginally acceptable.

STP (level of treatment)	Flow (mgd) Design	Flow (mgd) Present	Effluent BOD Reported % - mg/l	Effluent SS Reported % - mg/l
Township of Ocean SA (Secondary) (NJ0024520)	3.6	4.95	81.3 - 37.5	81 - 17.3

Project Description

The project involves the conversion of the existing wastewater treatment facility from a modified activated sludge process to a covered pure oxygen activated sludge process and increasing the facilities capacity to 7.5 mgd.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : JEFFERSON TOWNSHIP

Project No.	: 340747--02	Eligible Project Cost	: $1,716,065
FY89 RANK	: 35.0		
County	: MORRIS	Total State Amount	: $1,716,065

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	200
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	200
	Population	.01671
	TOTAL POINTS	525.01671

Project Name, Number

Priority List Rank

Jefferson Township
C340747-02
STP, Sludge/Septage Management

35

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)	0.155	0.0618	32.7 - 36.8	65.3 - 7.09

*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 : RINGWOOD BOROUGH SA

Project No. : 340483-02 Eligible Project Cost : $10,866,357
FY89 RANK : 36.0
County : PASSAIC Total State Amount : $10,866,357

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.01328
	TOTAL POINTS	525.01328

Project Name, Number

Priority List Rank

Ringwood Borough Sewerage Authority
C340483-02
STP, Int, Coll

36

County

Passaic

Service Area

Ringwood Borough

Existing Population

13,283

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))	.040	.044	98.5 - 9.98	98.2 - 7.73
Ringwood Shopping Plaza Forsgate Brook (FW2-TM)	.013	.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. Although a definite solution to Ringwood's wastewater problems is not known at this time, it would appear that collection sewers, conveyance and treatment in combination with an on-site system management district could be a likely solution.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : CAPE MAY COUNTY MUA(STN HRBR)

Project No. : 340661-09 Eligible Project Cost : $2,708,779
FY89 RANK : 37.0
County : CAPE MAY Total State Amount : $2,708,779

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	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	50
Toxics	0	25	50	25
		SUBTOTAL		225

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.00128
	TOTAL POINTS	525.00128

Project Name, Number | Priority List Rank

Cape May County MUA (Stn. Hrbr.) | 37
C340661-09
Stone Harbor Manor/Stone Harbor Boulevard
FM, PS

County

Cape May

Service Area

Stone Harbor Manor (Middle Township) and Stone Harbor Boulevard

Existing Population

1,281
20,803 (Summer Peak)

Need for Project

It is anticipated that Stone Harbor Manor will be sewered in the near future necessitating the construction of two (2) regional pumping stations and force mains to connect the system to the regional facility. Pollution of the ocean backbays (SE-1) has been identified as originating from the septic systems presently in existence in Stone Harbor Manor and along the causeway. Shellfish harvesting and primary contact recreation are adversely impacted, with fecal coliform and nutrients standards in violation. Dissolved oxygen and toxics levels are marginally acceptable.

Project Description

This project consists of the construction of two regional pumping stations, one at Stone Harbor Manor and one along Stone Harbor Boulevard, and associated force mains to connect the local collection system to the CMCMUA Seven Mile Beach/Middle Region Wastewater Treatment Facility.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : WEST MILFORD MUA (AWOSTING)

Project No. : 340701-05 Eligible Project Cost : $520,000
FY89 RANK : 38.0
County : PASSAIC Total State Amount : $520,000

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	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	275

B. Existing Water Quality

Parameter	Meets Standards	Marginally 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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	200
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	200
	Population	.00045
	TOTAL POINTS	525.00045

Project Name, Number

West Milford MUA (Awosting)
C340701-05
STP

Priority List Rank

38

County

Passaic

Service Area

Portion of the Township of West Milford

Existing Population

450

Need for Project

The effluent from the Awosting STP is not meeting water quality standards required under the NJPDES permit. To comply with the Clean Water Act and NJDEP directives in the recently signed Administrative Consent Order, the West Milford Township MUA must upgrade the STP to meet Level 4 treatment as specified in the Northeast Water Quality Management Plan (amended 1986).

The Awosting STP discharges into the Wanaque Reservoir less than three miles above the headwaters of the newly created Monksville Reservoir, which is used as a potable water supply and is a trout fishery. The high concentrations of nutrients discharged from this plant adversely affect water quality in the reservoir and Wanaque River.

STP (level of treatment)	Flow (mgd)		Effluent			
	Design	Present	BOD Reported		SS Reported	
			%	mg/l	%	mg/l
Awosting (secondary) (NJ0027669)	.045	.022	85.3 -	26.9	72.7 -	26.4

Project Description

The proposed project includes the upgrading of the Awosting STP to achieve the required Level 4 treatment limits. Proposed construction includes a new equalization tank, nitrification and denitrification treatment units, and UV disinfection facilities. The existing aeration tank and clarifier will be upgraded.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : MIDDLE TWP SA (AVALON MANOR)

Project No. : 340720-03 Eligible Project Cost : $834,297
FY89 RANK : 39.0
County : CAPE MAY Total State Amount : $834,297

I. SEGMENT POINTS

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	50
Toxics	0	25	50	25
		SUBTOTAL		225

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.00008
	TOTAL POINTS	525.00008

Project Name, Number

Priority List Rank

Middle Township SA (Avalon Manor)
C340720-03
Collection and Interceptor System

39

County

Cape May County

Service Area

The service area is located in the Southeastern portion of New Jersey in Cape May County. It is within the tidal estuary of Townsend Inlet. This area, locally known as Avalon Manor, occupies the small island just west of the City of Avalon.

Existing Population

The population of this area is 80 all year with an increase to 525 in the summer months.

Need for Project

Septic systems in the area are malfunctioning, causing a public nuisance. Efforts have been made to correct this situation with no progress. The failures are attributed to seasonal overuse, a high water table and poor percolation.

The surface waters surrounding the service area are classified as SE-1 by the NJDEP, however, the waters surrounding this area are presently closed to shellfishing. This is attributed to the malfunctioning septic systems within the service area. If a collection system is installed and the problem is alleviated, it will help reduce pollution in the area. At present, water quality does not meet standards for fecal coliform and nutrients, and marginally meet standards for dissolved oxygen and toxics.

The surface waters are also used for recreational bathing and boating. If the failing septic systems in this area are not removed, the pollution problem will increase, thus forcing the waters in this area to be closed for primary recreation purposes.

Project Description

Of several alternatives studied, a vacuum sewage and interceptor system was chosen as the most cost-effective, environmentally sound way to achieve the basic wastewater management objectives. The implementation of this plan means the removal of all septic systems, 30-40% of which are failing. The removal of these systems will have numerous benefits including the removal of a potential health hazard, the probable improvement of surface water quality and the general improvement of the quality of life. Wastes will be conveyed to the Cape May County MUA Seven Mile Beach/Middle Region STP.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : CAMDEN COUNTY MUA-DIST #1 & #2

Project No.	: 340708-07	Eligible Project Cost	: $19,076,767
FY89 RANK	: 40.0		
County	: CAMDEN	Total State Amount	: $19,076,767

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	50
Toxics	0	25	50	50
		SUBTOTAL		250

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.45448
	TOTAL POINTS	501.45448

Project Name, Number

Priority List Rank

Camden County MUA, District 1 and 2
Control Program Combined Sewer Overflow
C340708-07

40

County

Camden

Service Area

Camden and Gloucester City and adjoining municipalities.

Existing Population

454,480

Need for Project

Daily dry weather overflows and storm related overflows contribute excessive amounts of nutrients, solids and toxics into zone 3 of the Delaware River. Fecal coliform levels also do not meet standards, while dissolved oxygen is marginally acceptable. The impact is estimated to equal 60% of the future effluent organic loading from STPs. The Delaware River is used for water supply by the City of Philadelphia and for fishing and industrial uses.

Project Description

The control program includes refurbishment of selected regulators and automation for system control, diversion of flows to eliminate and consolidate overflows, and in-line storage of wastewater. Substantial benefits will be gained by the elimination of dry weather overflows and the prevention of tidal inflow.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : PERTH AMBOY, CITY OF

Project No. : 340435-04 Eligible Project Cost : $29,654,027
FY89 RANK : 41.0
County : MIDDLESEX Total State Amount : $29,654,027

I. SEGMENT POINTS

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	50
Toxics	0	25	50	50
			SUBTOTAL	250

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.03733
	TOTAL POINTS	501.03733

Project Name, Number

Priority List Rank

City of Perth Amboy
C340435-04
Combined Sewer Overflow Abatement

41

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 a continuous discharge of raw sewage during dry weather as well as wet weather is being experienced. Approximately 4.48 million gallons per day (MGD) of raw sewage is being discharged daily to receiving waterways (Arthur Kill and Raritan Bay). Also, of the 8.0 MGD treated each day approximately 30% (3.0 MGD) is salt water intrusion. 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 had 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

The grantee has completed a facility plan which addressed the existing water pollution control facility and the impact of the combined sewer overflows on the receiving waterways. The facility plan recommends that the existing water pollution control facility be abandoned and the wastewater be conveyed to the Middlesex County Utilities Authority for treatment and that a sewer separation program be initiated. Other alternatives included surface area drainage control, in-system storage, off-system storage, etc. The project will be for the construction of the sewer separation alternative.

A part of the city's project for correction of combined sewer overflows has been funded under separate marine CSO funds. However, additional funds for correction of combined sewer overflows located within the city limits will be required in the future. The CSOs not corrected under the MCSO program have had a detrimental impact on the water quality of adjacent waterways.

WORKSHEET -- PRIORITY RANKING

Anticipated Recipient : CALDWELL, BOROUGH OF

Project No. : 340523-03 Eligible Project Cost : $16,602,000
FY89 RANK : 42.0
County : ESSEX Total State Amount : $16,602,000

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	100
Fecal Coliform	0	50	100	100
Nutrients	0	25	50	25
Toxics	0	25	50	25
		SUBTOTAL		250

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	1
I/I Correction	1	0
	SUBTOTAL	1
	Population	.03339
	TOTAL POINTS	501.03339

Project Name, Number

Priority List Rank

Caldwell, Borough of
C340523-03
STP

42

County

Essex

Service Area

The service area consists of Caldwell, Essex Falls, North Caldwell, Roseland, West Caldwell, and portions of Fairfield and West Orange.

Existing Population

33,386

Need for Project

The effluent from the Caldwell plant is discharged to the Passaic River and the effluent limitations required by the River's FW2-NT, previously FW-2, classification are not consistently being met by the existing facilities at the present time. This results in dissolved oxygen and fecal coliform violations with marginal concern for nutrients and toxics. The receiving water is classified for potable water supply and industrial water use.

STP (level of treatment)	Flow (mgd)		Effluent	
	Design	Present	BOD Reported % - mg/l	SS Reported % - mg/l
Caldwell (Advanced) (NJ0020427)	4.0	4.5	92 - 28.0	91 - 22.0

Project Description

The Caldwell treatment plant will be expanded from 4.0 million gallon per day (MGD) to 6.0 MGD (avg. dry weather) and all units would be designed to accept a peak flow of 12.0 MGD. The processes for upgrading will include primary settling facilities, an equalization pond, extended aeration, final settling facilities, tertiary filtration, followed by chlorination and post aeration of the wastewater. Sludge removed from this process will be treated by thickening, anaerobic digestion and dewatering. Alternatives for the ultimate disposal of sludge are presently being investigated.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : LIVINGSTON, TOWNSHIP OF

Project No. : 340785-03 Eligible Project Cost : $15,954,024
FY89 RANK : 43.0
County : ESSEX Total State Amount : $15,954,024

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	100
Fecal Coliform	0	50	100	100
Nutrients	0	25	50	25
Toxics	0	25	50	25
			SUBTOTAL	250

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	1
I/I Correction	1	0
	SUBTOTAL	1
	Population	.02855
	TOTAL POINTS	501.02855

Project Name, Number

Livingston, Township of
C340785-03
STP

Priority List Rank

43

County

Essex

Service Area

Township of Livingston

Existing Population

28,546

Need for Project

The Township of Livingston's treatment plant is not meeting its advanced treatment effluent requirements as proposed by the NJPDES permit. The plant discharges into the Passaic River (FW2-NT, previously FW-2) above the PVWC intake. DO and fecal coliform standards are in violation, with nutrients and toxics levels marginally acceptable. Potable water, fishing, and industrial water uses are adversely impacted.

STP (level of treatment)	Flow (mgd) Design	Present	Effluent BOD Reported % - mg/l	SS Reported % - mg/l
Livingston (advanced) (NJ0024511)	4.2	3.87	91.5 - 8.1	86.8 - 8.2

Project Description

The project will provide for the upgrading of the treatment plant for advanced treatment (Level IV) utilizing a nitrification process. Livingston will conduct a sludge study to develop a plan for the disposal of sludge.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : LINDEN-ROSELLE SA

Project No. : 340299-04 Eligible Project Cost : $10,178,773
FY89 RANK : 44.0
County : UNION Total State Amount : $10,178,773

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	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
Primary Discharge	500	0
I/I Correction-Overflow	250	250
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	250
	Population	.05819
	TOTAL POINTS	500.05819

Project Name, Number | Priority List Rank

Linden-Roselle Sewerage Authority | 44
C340299-04
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.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : RIDGEWOOD, VILLAGE OF

Project No. : 340639-05 Eligible Project Cost : $1,825,558
FY89 RANK : 45.0
County : BERGEN Total State Amount : $1,825,558

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
Primary Discharge	500	0
I/I Correction-Overflow	250	250
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	250
	Population	.02486
	TOTAL POINTS	500.02486

Project Name, Number

Priority List Rank

Ridgewood, Village of
C340639-05
Infiltration/Inflow Correction-Overflow I/A

45

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.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : CEDAR GROVE, TWP. OF

Project No. : 340717-03 Eligible Project Cost : $5,421,608
FY89 RANK : 46.0
County : ESSEX Total State Amount : $5,421,608

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	200
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	200
	Population	.01262
	TOTAL POINTS	500.01262

Project Name, Number

Priority List Rank

Cedar Grove, Township of
C340717-03
STP

46

County

Essex

Service Area

Township of Cedar Grove

Existing Population

12,624

Need for Project

The effluent from the Township's plant is discharged to the Peckman River and the effluent limitations required by the River's FW2-NT, previously FW-2 classification, are not being met by the existing facilities at the present time. The plant will also be expanded to accommodate the anticipated design flow from the service area. Water quality standards are currently violated for fecal coliform, dissolved oxygen,and toxics. The receiving water body is classified for nontrout maintenance and industrial water use.

STP (level of treatment)	Flow (mgd) Design	Present	Effluent BOD5 Reported % - mg/l	SS Reported % - mg/l
Cedar Grove (Secondary) (NJ0025330)	1.5	1.85	81.6 - 19.5	65.6 - 18.9

Project Description

This proposed project will consist of modifications/improvements to the existing facilities, construction of new disinfection facilities, tertiary and effluent polishing facilities to achieve the required level of treatment (Level 4). The plant will also be expanded from 1.5 million gallons per day (MGD) to 1.8 MGD concurrent with an infiltration/inflow correction program.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : WASHINGTON, BOROUGH OF

Project No.	: 340706-03	Eligible Project Cost	: $5,937,042
FY89 RANK	: 47.0		
County	: WARREN	Total State Amount	: $5,937,042

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	200
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	200
	Population	.01110
	TOTAL POINTS	500.01110

Project Name, Number

Priority List Rank

Washington Borough
C340706-03
STP, Sewer System Rehab, Sludge/Septage

47

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. This project is currently pending 208 redesignation of the planning area formerly known as Pohatcong Creek MUA.

Existing Population

11,095

Need for Project

The Borough of Washington owns, operates, and maintains the only sewer collection system and treatment works project 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. Existing data shows inadequate secondary treatment which 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 - AST)	0.85	0.75	81.2 - 26.7	93.2 - 9.0

Project Description

This project, when ultimately completed, will resolve the wastewater management needs for the study area. Implementation could involve, but is not limited to: upgrading of the existing Washington Borough plant; rehabilitation of existing sewer system; design and construction of local wastewater systems in Washington Township; and the development and implementation of Septage and Sludge Management Plans. A currently proposed plan of study may eventually result in the nonfunded implementation of wastewater management alternatives, pending the availability and requirements of a State loan.

WORKSHEET -- PRIORITY RANKING

Anticipated
Recipient : NEW BRUNSWICK, CITY OF

Project No.	: 340437-02	Eligible Project Cost	:	$2,672,681
FY89 RANK	: 48.0			
County	: MIDDLESEX	Total State Amount	:	$2,672,681

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	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	50
Toxics	0	25	50	25
			SUBTOTAL	225

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.03986
	TOTAL POINTS	476.03986

Project Name, Number | Priority List Rank

Middlesex Co. U.A.-New Brunswick City C340437-02
Combined Sewer Overflow Abatement | 48

County

Middlesex

Service Area

City of New Brunswick

Existing Population

39,858

Need for Project

Presently, the wastewater from the City of New Brunswick is carried by collection sewers to a main interceptor which transports the flow to the 120 MGD Middlesex Co. STP. There is, however, one combined sewer overflow at Albany Street which discharges in the Raritan River. The Raritan is a nontrout, fishable river which is not currently meeting fecal coliform and nutrients standards and is only marginally meeting D.O. and toxics standards. Shellfish harvesting and primary contact recreation are adversely impacted by poor water quality. Middlesex Co. is currently performing a CSO study to ascertain the CO's impacts on the Raritan. This study will determine where or not a water quality benefit can be derived from the elimination of the CSO.

Project Description

There is an ongoing CSO Study being performed by Middlesex County. Four (4) alternatives for the elimination of the CSO are being investigated. These are sewer separation, in-system storage, off-system storage and chemical treatment. A preliminary assessment has determined sewer separation to be the most cost-effective alternative. Should it be determined that a water quality benefit can be derived from the elimination of the CSO, and that sewer separation is the most cost-effective alternative, the project will be for the construction of the sewer separation alternative.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : WARREN, TOWNSHIP OF

Project No. : 340913-01 Eligible Project Cost : $7,502,958
FY89 RANK : 49.0
County : SOMERSET Total State Amount : $7,502,958

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	1
I/I Correction	1	0
	SUBTOTAL	1
	Population	.00187
	TOTAL POINTS	476.00187

Project Name, Number	Priority List Rank
Warren, Township of C340913-01 STP	49

County

Somerset

Service Area

North-central section of Warren Township

Existing Population

1,870

Need for Project

The Stage IV Wastewater Treatment Plant presently provides secondary treatment. The NJPDES permit (#NJ0022497) requires the plant to be upgraded to provide Level 4 treatment by April 1989. This date cannot be met; consequently, an Administrative Consent Order is being prepared by the NJDEP. In May 1984, an amendment to the Northeast Water Quality Management Plan was approved by the NJDEP permitting Warren to expand the Stage IV plant to 0.80 mgd and to provide Level 4 treatment. The upgrading of the Stage IV plant will improve the Dead River/Passaic River for downstream potable, industrial, and non-trout fishery uses. The water bodies do not meet standards for toxics and fecal coliform, and only marginally meet standards for dissolved oxygen and nutrients.

STP (level of treatment)	Flow (mgd)		Effluent	
	Design	Present	BOD Reported % - mg/l	SS Reported % - mg/l
Stage IV (secondary) (NJ0026174)	0.40	0.33	93 - 7.1	92 - 10.5

Project Description

The proposed project includes the construction of two oxidation ditches, two final clarifiers, an intermediate pump station, two polishing sand filters, an UV disinfection facility, a control building, and the conversion of the existing contact stabilization package plant to an aerobic digester. The capacity of the raw sewage pump station will also be increased.

WORKSHEET -- PRIORITY RANKING

Anticipated
Recipient : WEST MILFORD MUA (HIGHVIEW)

Project No. : 340701-07 Eligible Project Cost : $325,000
FY89 RANK : 50.0
County : PASSAIC Total State Amount : $325,000

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	25
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	425

B. Existing Water Quality

Parameter	Meets Standards	Marginally 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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	1
I/I Correction	1	0
	SUBTOTAL	1
	Population	.00075
	TOTAL POINTS	476.00075

Project Name, Number

West Milford MUA (Highview)
C340701-07
STP

Priority List Rank

50

County

Passaic

Service Area

Portion of the Township of West Milford

Existing Population

750

Need for Project

The effluent from the Highview STP is not meeting water quality standards required under the NJPDES permit. To comply with the Clean Water Act and NJDEP directives in the recently signed Administrative Consent Order, the West Milford Township MUA must upgrade the STP to meet Level 4 treatment as specified in the Northeast Water Quality Management Plan (amended 1986).

The Highview STP discharges to Vreeland Pond in the headwaters of the Macopin River, which flows to Echo Lake, thence to the Pequannock River, which does not meet standards for nutrients. The river is a trout fishery, with potable water supply, primary contact recreation, and agricultural water uses.

STP (level of treatment)	Flow (mgd)		Effluent			
	Design	Present	BOD Reported		SS Reported	
			%	mg/l	%	mg/l
Highview (secondary) (NJ0027685)	.080	.056	94.5	- 14.3	92.9	- 10.3

Project Description

The proposed project will upgrade the existing Highview treatment plant. In order for the STP to meet Level 4 treatment, it will be necessary to install phosphorus removal equipment, an ammonia nitrogen treatment unit, UV disinfection equipment, and postaeration facilities.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : VERONA, BOROUGH OF

Project No. : 340533-03 Eligible Project Cost : $16,999,999
FY89 RANK : 51.0
County : ESSEX Total State Amount : $16,999,999

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	200
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	200
	Population	.01415
	TOTAL POINTS	475.01415

Project Name, Number	Priority List Rank
Verona, Borough of C340533-03 STP	51

County

Essex

Service Area

Borough of Verona

Existing Population

14,153

Need for Project

The effluent from the Borough's plant is discharged to the Peckman River and the effluent limitations required by the River's FW2-NT classification are not being met by the existing facilities at the present time. Water quality marginally meets standards for toxics but records violations for dissolved oxygen and fecal coliform. Thus, fishable non-trout and industrial water uses are adversely impacted.

STP (level of treatment)	Flow (mgd)		Effluent	
	Design	Present	BOD Reported % - mg/l	SS Reported % - mg/l
Verona (secondary) (NJ0024490)	4.1	3.2	91.1 - 13.7	77.4 - 25.6

Project Description

This proposed project will consist of modifications and improvements to the existing facilities in order to achieve the required level of treatment (Level 4).

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : LITTLE FALLS MUA

Project No. : 340716-02 Eligible Project Cost : $18,315,001
FY89 RANK : 52.0
County : PASSAIC Total State Amount : $18,315,001

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	200
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	200
	Population	.01222
	TOTAL POINTS	475.01222

Project Name, Number

Little Falls MUA
C340716-02
STP, PS, FM

Priority List Rank

52

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 : $9,576,263
FY89 RANK : 53.0
County : SUSSEX Total State Amount : $9,576,263

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.01193
	TOTAL POINTS	475.01193

Project Name, Number
Sussex County MUA - Pochuck
C340503-03
STP, PS, FM, INT.

Priority List Rank
53

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 four existing package plants. All STP flows average below their design capacity, however, substantial seasonal 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
Great Gorge Ski Corp. NJ0021814	0.022	.0094	99.7 - 2.7	99.7 - 2.82
Vernon Valley Recreation Assn. NJ0023027	0.018	.0094	98 - 8.7	99 - 11.1

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 : WAYNE, TOWNSHIP OF

Project No. : 340365-05 Eligible Project Cost : $6,216,000
FY89 RANK : 54.0
County : PASSAIC Total State Amount : $6,216,000

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	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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.00962
	TOTAL POINTS	475.00962

Project Name, Number	Priority List Rank
Township of Wayne C340365-05 P.S., F.M.	54

County

Passaic

Service Area

This project will serve the residents in the northwestern section of the Township presently served by the Sheffield Hills treatment plant.

Existing Population

9,620

Need for Project

The Sheffield Hills treatment plant discharges effluent to the Pompton River, a potable water supply, and the effluent limitations required by the River's FW2-NT classification were not being met by the existing facilities. Levels of fecal coliform and nutrients do not meet standards, while toxics marginally meet standards. The Township was faced with upgrading and expanding the plant or investigating other alternatives. The Township's 201 facilities plan documented that the most cost-effective, environmentally sound alternative was to expand the existing Sheffield Hill's pump station and construct a new force main to convey the wastewater from this service area to the existing Mountain View treatment plant.

STP (level of treatment)	Flow (mgd)		Effluent			
	Design	Present	BOD Reported		SS Reported	
			%	mg/l	%	mg/l
Sheffield Hills (secondary) (NJ0026841)	1.0	1.9	97.5	7.9	97.6	6.6

Project Description

The existing Sheffield Hills pump station structure is in excellent condition and is of sufficient size to house the larger pumps and equipment to handle the present and future flow to the Mountain View treatment plant. However, modifications will be required to provide larger suction and discharge piping. The pump station will be expanded to provide pumping capabilities of 4.8 million gallons per day. Approximately 10,000 L.F. of 20-inch force main will convey the wastewater from Sheffield Hills to the Mountain View treatment plant.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : SUSSEX BOROUGH

Project No. : 340744-02 Eligible Project Cost : $243,145
FY89 RANK : 55.0
County : SUSSEX Total State Amount : $243,145

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	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
Primary Discharge	500	0
I/I Correction-Overflow	250	250
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	250
	Population	.00246
	TOTAL POINTS	475.00246

Project Name, Number

Priority List Rank

Sussex Borough
C340744-02
Infiltration/Inflow Correction - Overflow

55

County

Sussex

Service Area

The service area is located in the Wallkill Watershed and consists exclusively of the Borough of Sussex. The Borough of Sussex presently owns, operates and maintains the only existing collection system and treatment works project within the Lower Wallkill Study area.

Existing Population

2,457

Need for Project

The Sussex County Municipal Utilities Authority is preparing a 201 Facilities Plan (C340573-01) for the Lower Wallkill River Basin to evaluate the present and future needs for adequate wastewater treatment and disposal. It is already known that the Borough of Sussex Sewage Treatment Plant frequently encounters peak flows which cause much of the raw sewage flow to by-pass the plant and discharge directly to Clove Brook, FW2-NT (tributary to Papakating Creek which is a tributary to Wallkill River). This raw discharge results in frequent fecal coliform violations and marginally impacts dissolved oxygen and ammonia toxicity. To fullfill Federal requirements, an infiltration/inflow (I/I) study was performed on the Borough of Sussex collection system. This study suggested that much of the by-pass problem can be attributed to I/I problems associated with the advanced age of the collection system, and has proposed a Phase I Sewer System Evaluation Survey to be performed under the existing grant (C340573-01).

Project Description

The SSES will verify and refine the findings of the I/I study and recommend rehabilitation measures to be implemented for the Borough of Sussex collection system. Not only will it be cost effective to remove this excessive flow, but the rehabilitation effected through this project will help alleviate the raw sewage by-pass problem at the Sussex Borough plant. This grant would allow an immediate improvement to the environment and is consistent with the planning efforts to upgrade the Borough of Sussex Sewage Treatment Plant.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : WILLINGBORO MUA

Project No. : 340755-03 Eligible Project Cost : $17,481,969
FY89 RANK : 56.0
County : BURLINGTON Total State Amount : $17,481,969

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	1
I/I Correction	1	0
	SUBTOTAL	1
	Population	.05615
	TOTAL POINTS	451.05615

Project Name, Number

Priority List Rank

Willingboro MUA for URANCO
C340755-03
STP, Sludge, INT, PS, FM

56

County

Burlington

Service Area

Edgewater Park, Delanco Township, Beverly City, part of Westampton Twp and Willingboro Township

Existing Population
56,146

Need for Project

Rancocas Creek (FW2-NT, previously FW-2) - Nontrout stream with severe violations of fecal coliform and marginal violations of phosphorus, D.O., and toxics. The Beverly STP discharges to Delaware River and the Willingboro STP discharges to the tidal estuary of the Rancocas Creek, and both affect the water quality of the Delaware River for potable water use including a major potable water supply at Torresdale. Also, there is industrial use of the receiving water. Of the two existing wastewater treatment plants serving the planning area, the Beverly Plant is the older, and historically has performed very poorly. Although recent performance has improved, the plant is only operating at about 50% of design capacity. The existing Beverly and Willingboro plants are facing problems with handling and disposing of sludge. There is also an Infiltration/Inflow problem due to the existence of about 0.50 mgd I/I in the Willingboro MUA sewer system.

STP (level of treatment)	Flow (mgd) Design	Flow (mgd) Present	Effluent BOD Reported % - mg/l	Effluent SS Reported % - mg/l
Willingboro MUA(secondary) (NJ0023361)	4.2	4.38	94.3 - 16.2	93.3-21.65
Beverly SA (secondary) (NJ0027481)	1.0	.49	91.8 - 13.5	91.3-19.7

Project Description
The project proposes the upgrading and expansion of the existing Willingboro and Beverly plants. Also, sludge management facilities will be constructed so that the current sludge management regulations can be met.

The ultimate sludge disposal plant will be incorporated into the on-going county wide sludge and septage management plan recommendations.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : MADISON-CHATHAM JOINT MEETING

Project No. : 340715-02 Eligible Project Cost : $13,264,448
FY89 RANK : 57.0
County : MORRIS Total State Amount : $13,264,448

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	100
Fecal Coliform	0	50	100	50
Nutrients	0	25	50	25
Toxics	0	25	50	25
			SUBTOTAL	200

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	1
I/I Correction	1	0
	SUBTOTAL	1
	Population	.02377
	TOTAL POINTS	451.02377

Project Name, Number	Priority List Rank
Madison - Chatham Jt. Meeting C340715-02 STP, I/I Correction	57

County

Morris

Service Area

Borough of Chatham, Borough of Madison

Existing Population

23,766

Need for Project

The existing treatment plant has surpassed its useful life by 5-10 years. Also, a 1982 SSES identified excessive I/I in the borough's sewer systems. The treatment plant discharges to the Passaic River (FW2-NT), a potable water source with fishing and industrial uses. Presently, dissolved oxygen levels are unacceptable and fecal coliform, nutrients and toxics are marginally acceptable.

STP (level of treatment)	Flow (mgd) Design	Flow (mgd) Present	Effluent BOD Reported % - mg/l	Effluent SS Reported % - mg/l
Madison-Chatham Jt. Mtg. (Secondary) (NJ0024937)	4.0	2.97	92.2 - 14.1	92.5 - 12.6

Project Description

The proposed project involves the upgrading to level 4 treatment (advanced) with dechlorination at the plant capacity of 3.2 MGD. In addition, the sewer systems in both boroughs will be rehabilitated in order to eliminate excessive I/I that flows to the plant.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : ATLANTIC COUNTY UA (LGEHRR)

Project No. : 340405-03 Eligible Project Cost : $17,490,911
FY89 RANK : 58.0
County : ATLANTIC Total State Amount : $17,490,911

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	125
Recreation (Primary Contact)	125	125
Agricultural Water Use	25	25
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	300

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	25
Toxics	0	25	50	25
			SUBTOTAL	150

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	1
I/I Correction	1	0
	SUBTOTAL	1
	Population	.02297
	TOTAL POINTS	451.02297

Project Name, Number

ACUA - LGEHRR
C340405-03
INT., P.S., F.M.

Priority List Rank

58

County

Atlantic

Service Area

Hamilton Township, Weymouth Township and portions of Egg Harbor and Galloway Townships, Estell Manor and Corbin City

Existing Population

22,967

Need for Project

The existing Hamilton Township Municipal Utilities Authority (HTMUA) wastewater treatment facility, which discharges into the Lower Great Egg Harbor River (PL), can be characterized as an inadequate advanced treatment facility because of periodic non-compliance with percentage remova requirements for BOD and suspended solids. The receiving water is classified for potable water, primary contact recreation, shellfish harvesting, nontrout fishing and agricultural uses. Existing water quality is presently marginally acceptable for DO, fecal coliform, nutrients, and toxics. The permit (NJ0021393) requires effluent limits of 13 mg/l for BOD and SS and 95% removal. The present available capacity of HTMUA is approximately 0.08 mgd, or less than 4% of the year 2000 need for centralized service (3.2 mgd) in the study area. The implementation of a regional wastewater management plan will be necessary in order to avoid continued water quality degradation.

STP (level of treatment)	Flow (mgd) Design	Present	Effluent BOD Reported % - mg/l	SS Reported % - mg/l
Hamilton Township MUA (Advanced)) (NJ0021393)	0.65	0.67	94.1 - 12.0	92.3 - 8.4
Seasonal		0.71	92.9 - 14.3	93.6 - 9.8

Project Description

The proposed project includes the construction of interceptors, pumping stations, and force mains to convey LGEHRR flows to the Atlantic County Utilities Authority coastal regional treatment system.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : TRIBORO-CINNAMINSON

Project No. : 340763-03 Eligible Project Cost : $15,259,153
FY89 RANK : 59.0
County : BURLINGTON Total State Amount : $15,259,153

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	1
I/I Correction	1	0
	SUBTOTAL	1
	Population	.01564
	TOTAL POINTS	451.01564

Project Name, Number	Priority List Rank
Triboro-Cinnaminson C340763-03 STP, INT, PS, FM, SL MGMT	59

County

Burlington

Service Area

Township of Cinnaminson

Existing Population

15,642

Need for Project

The Township of Cinnaminson Wastewater Treatment Plant has been periodically in violation of its respective NJPDES permit requirements concerning BOD and SS. The receiving stream is the Delaware River, which is classified as Zone 2, nontrout with industrial water use. The Cinnaminson Sewage Treatment Plant discharge affects the water quality of the Delaware River for the potable water use including a major potable water supply at Torresdale. The existing water quality of the Delaware River at the discharge point marginally meets the dissolved oxygen, nutrients and toxics standards, but does not meet the fecal coliform standards.

STP (level of treatment)	Flow (mgd)		Effluent	
	Design	Present	BOD5 Reported % - mg/l	SS Reported % - mg/l
Twp. of Cinnaminson (Secondary) (NJ0024007)	2.00	1.70	89 - 19	92 - 20

Project Description

The Tri-Borough Wastewater Facilities Plan recommends that the existing Cinnaminson S.A. Sewage Treatment Plant be expanded and upgraded by using the activated sludge process to comply with the NJPDES permit requirements. The project shall also include construction of pump stations, force mains and sludge management facilities.

The ultimate sludge disposal will be incorporated into the on-going county wide sludge/septage management plan recommendations.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : DELRAN SA-DELRAN

Project No. : 340794--04 Eligible Project Cost : $5,255,179
FY89 RANK : 60.0
County : BURLINGTON Total State Amount : $5,255,179

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	100
Nutrients	0	25	50	25
Toxics	0	25	50	25
			SUBTOTAL	200

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
Primary Discharge	500	0
I/I Correction--Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	1
I/I Correction	1	0
	SUBTOTAL	1
	Population	.01417
	TOTAL POINTS	451.01417

Project Name, Number	Priority List Rank
Delran Sewerage Authority-Delran C340794-04 STP, Coll, Int, PS, FM, Sludge Management	60

County

Burlington

Service Area

Delran Township

Existing Population

14,173

Need for Project

Rancocas Creek (FW2-NT) - Nontrout stream with severe violations of fecal coliform and moderate violations of D.O., toxics and total phosphorus at the upper mainstream. The Delran STP discharges in the tidal estuary of the Rancocas Creek and affects the water quality of the Delaware River at the Philadelphia Torresdale potable water intake. There are several farms along the Rancocas Creek and Delaware River. A Needs Survey indicates that on-site systems in the southeastern area of Delran Township have moderately high failure rates.

STP (level of treatment)	Flow (mgd)		Effluent			
	Design	Present	BOD Reported % - mg/l		SS Reported % - mg/l	
Delran STP (secondary) (NJ0023507)	1.50	1.46	97	24.9	91.8	19.6

Project Description

The Delran STP is proposed for upgrading in order to meet its NJPDES permit at 90% removal. Nitrification may be a new requirement for the Delran STP if the N.J. Water Quality Studies of the Rancocas Creek determine that it is required. The ultimate sludge disposal will be incorporated into the on-going county-wide sludge and septage management plan recommendations. The proposed project also consists of construction of pump stations, collection systems, interceptors, and force mains.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : NEW PROVIDENCE, BOROUGH OF

Project No. : 340474-03 Eligible Project Cost : $4,879,230
FY89 RANK : 61.0
County : UNION Total State Amount : $4,879,230

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	100
Fecal Coliform	0	50	100	50
Nutrients	0	25	50	25
Toxics	0	25	50	25
		SUBTOTAL		200

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	1
I/I Correction	1	0
	SUBTOTAL	1
	Population	.01223
	TOTAL POINTS	451.01223

Project Name, Number

New Providence
C340474-03
STP

Priority List Rank

61

County

Union

Service Area

New Providence

Existing Population

12,228

Need for Project

The New Providence treatment plant discharges directly to the Passaic River (FW2-NT, previously FW-2), classified for potable water use, and is presently not meeting the NJPDES requirements for advanced treatment. Water quality marginally meets standards for nutrients, toxics and fecal coliform, but dissolved oxygen levels are in violation.

STP (level of treatment)	Flow (mgd) Design	Present	Effluent BOD Reported % - mg/l	SS Reported % - mg/l
New Providence (secondary) (NJ0021636)	2.8	1.4	89.3 - 11.2	90.2 -13.3

Project Description

The proposed project involves upgrading the treatment plant to Level 3, providing an advanced treatment system. The facilities planning is essentially complete through the Environmental Impact Statement prepared by the USEPA.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : HANOVER SA

Project No. : 340388-03 Eligible Project Cost : $20,141,746
FY89 RANK : 62.0
County : MORRIS Total State Amount : $20,141,746

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	100
Fecal Coliform	0	50	100	50
Nutrients	0	25	50	25
Toxics	0	25	50	25
			SUBTOTAL	200

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	1
I/I Correction	1	0
	SUBTOTAL	1
	Population	.01190
	TOTAL POINTS	451.01190

Project Name, Number	Priority List Rank
Hanover Sewerage Authority (HSA) C340388-03 STP	62

County

Morris

Service Area

Township of Hanover

Existing Population

11,902

Need for Project

The effluent from HSA's existing treatment plant is discharged to the Whippany River and the effluent limitations required by the river's FW2-NT, previously FW-2, classification are not being met by the existing facilities at the present time. This project impacts freshwater fisheries (non-trout), industrial and potable water uses. Existing water quality marginally meets standards for fecal coliform, nutrients and toxics, but dissolved oxygen level is in violation of the standards.

STP (level of treatment)	Flow (mgd)		Effluent	
	Design	Present	BOD Reported % - mg/l	SS Reported % - mg/l
HSA (secondary) (NJ0024902)	4.0	1.6	94 - 14.2	94.2 - 10.7

Project Description

This project is for the upgrading of the treatment plant to achieve a higher level of treatment (Level 4). To provide this higher level of treatment, it will be necessary to provide nitrification, gravity filtration and post aeration.

NEW JERSEY STATE LIBRARY

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : BURLINGTON CITY

Project No. : 340712-06 Eligible Project Cost : $7,000,000
FY89 RANK : 63.0
County : BURLINGTON Total State Amount : $7,000,000

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	100
Nutrients	0	25	50	25
Toxics	0	25	50	25
			SUBTOTAL	200

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	1
I/I Correction	1	0
	SUBTOTAL	1
	Population	.01034
	TOTAL POINTS	451.01034

Project Name, Number	Priority List Rank
Burlington City C340712-06 STP, Int.,P.S., Sludge Mgmt	63

County

Burlington

Service Area

Burlington City

Existing Population

10,342

Need for Project

Delaware River (Zone 2) - Fishable non-trout stream with violations of fecal coliform standards, and marginally acceptable levels of dissolved oxygen, nutrients, and toxics. The Burlington City STP discharge affects the water quality at the Philadelphia-Torresdale potable water intake. There are numerous farms along the Delaware River.

STP (level of treatment)	Flow (mgd) Design	Present	Effluent BOD5 Reported % - mg/l	SS Reported % - mg/l
Burlington City STP (secondary) (NJ0024660)	3.20	1.42	89.25 - 28.7	93.6 - 18.3

Project Description

The Burlington City STP is proposed for upgrading to improve its treatment level to the requirements in the new NJPDES permit. Burlington City has proposed to build high rate trickling filters, new primary clarifiers and new sludge treatment facilities. The ultimate sludge disposal will be incorporated into the on-going county-wide sludge and septage management plan recommendations.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : CHATHAM TOWNSHIP

Project No. : 340403-02 Eligible Project Cost : $17,274,897
FY89 RANK : 64.0
County : MORRIS Total State Amount : $17,274,897

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	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	100
Fecal Coliform	0	50	100	50
Nutrients	0	25	50	50
Toxics	0	25	50	25
			SUBTOTAL	225

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	1
I/I Correction	1	0
	SUBTOTAL	1
	Population	.00906
	TOTAL POINTS	451.00906

Project Name, Number	Priority List Rank
Chatham Township C340403-02 STP	64

County

Morris

Service Area

Township of Chatham

Existing Population

9,055

Need for Project

The effluent from the existing STP is not meeting water quality standards required under the NJPDES permit conditions. The Chatham Township facility discharges into the Black Brook, FW2-NT (fishable, nontrout), where water quality does not meet standards for dissolved oxygen and nutrients. The discharge from the STP adversely impacts downstream use of the water body for potable water. Fecal coliform and toxic levels marginally meet standards.

STP (level of treatment)	Flow (mgd)		Effluent	
	Design	Present	BOD5 Reported % - mg/l	SS Reported % - mg/l
Chatham Twp. (Secondary) (NJ0020290)	1.0	1.12	83 - 31.4	86 - 23.0

Project Description

The proposed project involves expansion and upgrading to level 4 treatment. The plant should be designed so that nutrient removal may be added to the process before construction begins, if water quality study recommends such measures.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : MORRIS TOWNSHIP-WOODLAND

Project No. : 340724-02 Eligible Project Cost : $15,235,814
FY89 RANK : 65.0
County : MORRIS Total State Amount : $15,235,814

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	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	100
Fecal Coliform	0	50	100	50
Nutrients	0	25	50	50
Toxics	0	25	50	25
		SUBTOTAL		225

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	1
I/I Correction	1	0
	SUBTOTAL	1
	Population	.00437
	TOTAL POINTS	451.00437

Project Name, Number	Priority List Rank
Morris Twp.-Woodland C340724-02 STP	65

County

Morris

Service Area

Morris Township

Existing Population

4,370

Need for Project

The existing treatment plant (Woodland) discharges treated effluent into the Loantaka Brook tributary of the Passaic River, FW2-NT. Current water quality does not meet standards for dissolved oxygen and nutrients. Fecal coliform and toxic levels marginally meet standards. Additionally, the plant discharge impacts nontrout fishing and the potable water use of both the Commonwealth Water Company and Passaic Valley Water Commission.

STP (level of treatment)	Flow (mgd)		Effluent	
	Design	Present	BOD Reported % - mg/l	SS Reported % - mg/l
Woodland (secondary) (NJ0024911)	2.0	1.3	93.6-12.46	99.4-2.25

Project Description

The proposed project involves upgrading the treatment plant to Level 4 by an advanced treatment system. Upgrading is planned to reduce the plant capacity by 0.2 mgd. Sludge treatment facilities will also be constructed. These include aeration and pre-thickening tanks, gravity belt thickener units, polymer addition units, and a sludge pumping station.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : WEST MILFORD MUA (BIRCH HILL)

Project No. : 340701-08 Eligible Project Cost : $65,000
FY89 RANK : 66.0
County : PASSAIC Total State Amount : $65,000

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	0
Nutrients	0	25	50	50
Toxics	0	25	50	0
			SUBTOTAL	50

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	1
I/I Correction	1	0
	SUBTOTAL	1
	Population	.00012
	TOTAL POINTS	451.00012

Project Name, Number	Priority List Rank
West Milford MUA (Birch Hill) C340701-08 STP	66

County

Passaic

Service Area

Portion of the Township of West Milford

Existing Population

120

Need for Project

The effluent from the Birch Hill STP is not meeting water quality standards required under the NJPDES permit. To comply with the Clean Water Act and NJDEP directives in the recently signed Administrative Consent Order, the West Milford Township MUA must upgrade the STP to meet Level 4 treatment as specified in the Northeast Water Quality Management Plan (amended 1986).

The Birch Hill STP discharges to the Wanaque River, which is a trout fishery, also used for primary contact recreation and as a potable water supply. The river does not meet standards for nutrients.

STP (level of treatment)	Flow (mgd)		Effluent			
	Design	Present	BOD Reported		SS Reported	
			%	mg/l	%	mg/l
Birch Hill (secondary) (NJ0027541)	.016	.022	94.6 - 10.3		94.6 - 9.22	

Project Description

The proposed project will upgrade the existing Birch Hill treatment plant. In order for the STP to meet Level 4 treatment, it will be necessary to install phosphorus removal equipment, an ammonia nitrogen treatment unit, UV disinfection equipment, and postaeration facilities.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : SOMERSET-RARITAN VALLEY SA

Project No. : 340529-04 Eligible Project Cost : $18,159,234
FY89 RANK : 67.0
County : SOMERSET Total State Amount : $18,159,234

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	200
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	200
	Population	.07864
	TOTAL POINTS	450.07864

Project Name, Number	Priority List Rank
Somerset Raritan Valley Sewerage Authority C340529-04 Expansion & Upgrading of Existing STP	67

County

Somerset

Service Area

The service area includes the boroughs of Somerville and Raritan, and the Townships of Hillsborough, Branchburg and Bridgewater.

Existing Population

78,639

Need for Project

The SRVSA treatment plant is presently operating over capacity. The Authority must complete supplemental facilities planning as stipulated in the Department's Conditional Approval of the selected plan prior to expanding and upgrading their treatment plant from a 10 to 16.2 mgd secondary treatment facility. This project will provide advanced secondary treatment such that elimination of the adverse impacts to the Raritan River (FW2-NT) will yield significant improvements in water quality. Thus, the designated uses and compliance with the SWQS can be achieved. Currently, water quality standards for toxics and fecal coliform are not being met, while dissolved oxygen is marginally acceptable.

STP (level of treatment)	Flow (mgd) Design	Present	Effluent BOD Reported % - mg/l	SS Reported % - mg/l
Somerset-Raritan Valley SA (Secondary) (NJ0024864)	10	11.0	61.8 - 31.5	71.7 - 33.60.1

Project Description

The proposed SRVSA plant would consist of the following wastewater treatment units:

1. Preliminary treatment - screen schambers, grit tanks, influent pumping.
2. Primary treatment
3. Intermediate pumping
4. Secondary treatment - aeration tanks, final settling tanks
5. Disinfection
6. Effluent disposal - outfall
7. Gravity sludge thickeners
8. Belt filter sludge dewatering
9. Fluidized bed sludge incineration

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : WARREN CO-LOPAT/PHILLIPSBURG

Project No. : 340580-03 Eligible Project Cost : $18,554,000
FY89 RANK : 68.0
County : WARREN Total State Amount : $18,554,000

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	75
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	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	100
Nutrients	0	25	50	25
Toxics	0	25	50	25
			SUBTOTAL	150

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.03141
	TOTAL POINTS	450.03141

Project Name, Number	Priority List Rank
Warren County - Lopat/Phillipsburg C340580-03 STP, PS, FM, Coll, Sludge	68

County
Warren

Service Area
The planning area lies in the Delaware Watershed and consists of the Town of Phillipsburg, Alpha Borough, and Lopatcong, Pohatcong, Harmony, and Greenwich Townships.

Existing Population
31,407

Need for Project
Sanitary collection systems serve Phillipsburg, Alpha, Lopatcong, and Pohatcong, with Phillipsburg nearly 100% sewered. The existing Phillipsburg plant (NJ0024716) presently treats domestic and industrial waste from the above four municipalities, and is designed to provide secondary treatment by means of an activated sludge process. Although existing effluent data (NJPDES-Discharge Monitoring Reports: 12/83 - 12/84) has categorized this plant as achieving secondary treatment, monthly operator reports and NJDEP inspections show the Phillipsburg plant to have trouble in consistently meeting its permit requirements. This can be attributed to the impact of undetermined quantities and quality of industrial waste. In addition, the extensive but necessary plant maintenance of this older facility has often interfered with normal plant operation. For failure to comply with its permit, this plant is currently under an EPA Order of Consent (EPA - CWA - II-81-15) to investigate industrial waste impacts and perform certain necessary upgradings in plant operation. Point source impacts on water quality include frequent violations of fecal coliform standards. This ultimately could affect the recreational (trout fishing and swimming) and agricultural water uses of the Delaware River. Nutrients and ammonia toxicity marginally meet standards.

STP (level of treatment)	Flow (mgd) Design	Present	Effluent BOD Reported % - mg/l	SS Reported % - mg/l
Phillipsburg STP (Secondary) (Lopatcong Creek (FW2-NT)) (NJ0024716)	3.5	2.4	91.6 - 21.4	89 - 34.1

Project Description

The projected project would enable the construction of wastewater disposal facilities to meet the needs of the Lopatocong River Basin. This will consist of the upgrading of the existing Phillipsburg plant to consistently achieve permit requirements. Also included is the implementation of sludge management and disposal alternatives to comply with the New Jersey Solid Waste Disposal Act. The remainder of the planning area will be evaluated in terms of wastewater disposal needs, however, no large scale service and/or expansion is anticipated. The implementing agency (Warren County Lopatcong Creek Sewerage Authority/Town of Phillipsburg) must be resolved.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : SOUTH BRUNSWICK, TWP OF

Project No. : 340866-01 Eligible Project Cost : $256,554
FY89 RANK : 69.0
County : MIDDLESEX Total State Amount : $256,554

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	25
Toxics	0	25	50	0
			SUBTOTAL	175

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
Primary Discharge	500	0
I/I Correction-Overflow	250	250
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	250
	Population	.02236
	TOTAL POINTS	450.02236

Project Name, Number

Township of South Brunswick
C340866-01
PS, FM

Priority List Rank

69

County

Middlesex

Service Area

Township of South Brunswick (Kendall Park)

Existing Population

22,356

Need for Project

The Kendall Park Pump Station, known as Pump Station #7, serves the Township of South Brunswick. Currently, at times of high water table, the normal flow 1.5 million gallons per day of pumpage increases as high as 4 million gallons per day resulting in overflow to the Ten Mile Run, which is a tributary into the Millstone River. This affects the fishable (Nontrout) waters. Fecal coliform standards are in violation, with dissolved oxygen and nutrients standards marginally acceptable.

Project Description

An upgrading of the Kendall Park Pump Station (Pump Station #7) for the elimination of overflow. The upgrading of this Pump Station requires the improvement of the Pump Station itself and the installation of a parallel larger diameter force main to Middlesex County Utilities Authority.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : MAPLE SHADE TOWNSHIP

Project No. : 340710-02 Eligible Project Cost : $12,323,250
FY89 RANK : 70.0
County : BURLINGTON Total State Amount : $12,323,250

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	200
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	200
	Population	.01976
	TOTAL POINTS	450.01976

Project Name, Number	Priority List Rank
Maple Shade Township C340710-02 STP, SL MGMT, Infiltration/Inflow Correction	70

County

Burlington

Service Area

Maple Shade Township

Existing Population

19,759

Need for Project

All the treatment plant facilities in the Township of Maple Shade have been in violation of their NJPDES permit requirements concerning BOD5 and SS. In addition, the treatment facilities have been hydraulically overloaded and suffer inadequate secondary treatment. The treatment facilities are under a local sewer connection ban. The receiving streams are the South and North Branch of Pennsauken Creek, which is classified as FW2-NT, nontrout and industrial water use. The existing water quality of the Pennsauken Creek at the discharge point marginally meets the dissolved oxygen standards and does not meet fecal coliform and toxics standards.

STP (level of treatment)	Flow (mgd) Design	Present	Effluent BOD5 Reported % - mg/l	SS Reported % - mg/l
Maple Shade #1 (Secondary) (NJ0028738)	1.00	0.89	56.2 - 48.1	83.7 - 21.3
Maple Shade #2 (Secondary) (NJ0028746)	0.60	1.12	53.0 - 83.5	78.8 - 6.5

Project Description

The 201 Facilities Plan investigated methods for upgrading and/or expanding the existing municipal wastewater treatment facilities to bring the municipal discharges into compliance with their NJPDES effluent limitations and secondary treatment requirements. Alternatives ranged from upgrading the existing local treatment facilities to regionalization approaches, which would phase out one or more of the existing facilities.

A sludge management plan will be prepared for determining the ultimate disposal of sludge solids generated by the public wastewater treatment facilities serving the planning area. The ultimate sludge disposal plan will be incorporated into the on-going county-wide sludge and septage management plan recommendations. In addition, I/I studies for the local collection system and industrial pretreatment program will be reported.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : MOORESTOWN TOWNSHIP

Project No. : 340912-01 Eligible Project Cost : $10,857,461
FY89 RANK : 71.0
County : BURLINGTON Total State Amount : $10,857,461

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	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
Primary Discharge	500	0
I/I Correction--Overflow	250	0
Inadequate Secondary Treatment	200	200
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	200
	Population	.01573
	TOTAL POINTS	450.01573

Project Name, Number	Priority List Rank
Moorestown C340912-01 STP, SL MGMT, Infiltration/Inflow Correction	71

County

Burlington

Service Area

Moorestown Township

Existing Population

15.734

Need for Project

The treatment plant in the Township of Moorestown has been in violation of its NJPDES permit requirements concerning BOD5 and SS. In addition, the treatment facilities have been hydraulically overloaded and suffers inadequate secondary treatment. The treatment facilities are under a local sewer connection ban. The receiving streams are the South and North Branch of Pennsauken Creek, which is classified as FW2-NT, nontrout and industrial water use. The existing water quality of the Pennsauken Creek at the discharge point marginally meets the dissolved oxygen standards and does not meet fecal coliform and toxics standards.

STP (level of treatment)	Flow (mgd) Design	Present	Effluent BOD5 Reported % - mg/l	SS Reported % - mg/l
Moorestown (Secondary) (NJ0024996)	2.50	2.49	88.9 - 23.6	95.6 - 18.6

Project Description

The 201 Facilities Plan investigated methods for upgrading and/or expanding the existing municipal wastewater treatment facilities to bring the municipal discharges into compliance with their NJPDES effluent limitations and secondary treatment requirements. Alternatives ranged from upgrading the existing local treatment facilities to regionalization approaches.

A sludge management plan will be prepared for determining the ultimate disposal of sludge solids generated by the public wastewater treatment facilities serving the planning area. The ultimate sludge disposal plan will be incorporated into the on-going county-wide sludge and septage management plan recommendations. In addition, I/I studies for the local collection system and industrial pretreatment program will be reported.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : PEQUANNOCK,LINCOLN,FAIRFIELD

Project No. : 340354-03 Eligible Project Cost : $3,462,392
FY89 RANK : 72.0
County : MORRIS Total State Amount : $3,462,392

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	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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.00313
	TOTAL POINTS	450.00313

Project Name, Number	Priority List Rank
Pequannock, Fairfield and Lincoln Park SA (Two-Bridges SA) C340354-03 INT., PS, FM	72

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.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : PEQUANNOCK TOWNSHIP

Project No. : 340480-03 Eligible Project Cost : $5,856,303
FY89 RANK : 73.0
County : MORRIS Total State Amount : $5,856,303

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	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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.00303
	TOTAL POINTS	450.00303

Project Name, Number

Township of Pequannock
C340480-03
Coll Sewers

Priority List Rank

73

County

Morris

Service Area

Portions of Pequannock Township

Existing Population

3,036

Need for Project

The township has proposed the construction of sewers in the Southeast and Southcentral portions of the Township due to the fact that the soils in this service area are classified by the Soil Conservation Service as severely limiting for on-site disposal. Health surveys performed for this area have indicated an incidence of septic system malfunctions and shallow acquifer contamination. The existing receiving water, Pequannock 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 meets nutrients and toxics.

Project Description

This project involves the construction of 44,100 L.F. of 8-inch gravity pipe, 2000 L.F. of 4-inch force main and 3 pump stations. The Township has an agreement with the Pequannock, Fairfield and Lincoln Park Sewerage Authority (TBSA) to accept the proposed flow from this service area. However, transmission facilities must be constructed to convey the wastewater to the TBSA plant for ultimate treatment (see C340354-03).

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : MORRISTOWN, TOWN OF

Project No. : 340376-03 Eligible Project Cost : $60,448,848
FY89 RANK : 74.0
County : MORRIS Total State Amount : $60,448,848

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	50
Nutrients	0	25	50	50
Toxics	0	25	50	25
			SUBTOTAL	175

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	1
I/I Correction	1	0
	SUBTOTAL	1
	Population	.01804
	TOTAL POINTS	426.01804

Project Name, Number	Priority List Rank
Town of Morristown C340376-03 STP	74

County

Morris

Service Area

The service area consists of all of Morristown, the northeastern area of the Township of Morris, and that area of Morris Township along Western Avenue.

Existing Population

18,041

Need for Project

The effluent from the Town's existing plant is discharged to the Whippany River and the effluent limitations required by the River's FW2-NT classification are not being met by the existing facilities at the present time. The project impacts freshwater fisheries (non-trout), industrial and potable water uses. Water quality marginally meets standards for fecal coliform, dissolved oxygen and toxics, but nutrient levels does not meet standards.

STP (level of treatment)	Flow (mgd)		Effluent	
	Design	Present	BOD5 Reported % - mg/l	SS Reported % - mg/l
Morristown (Secondary) (NJ0025496)	4.45	2.7	90 - 34.8	89.8 - 17.93

Project Description

This proposed project is for the construction of tertiary units at the existing secondary treatment plant site. To provide the high level of treatment (Level 4), it will be necessary to provide nitrification, pressure filtration, and post aeration facilities.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : MORRIS TOWNSHIP-BUTTERWORTH

Project No. : 340723-02 Eligible Project Cost : $21,259,875
FY89 RANK : 75.0
County : MORRIS Total State Amount : $21,259,875

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	50
Nutrients	0	25	50	50
Toxics	0	25	50	25
			SUBTOTAL	175

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	1
I/I Correction	1	0
	SUBTOTAL	1
	Population	.01714
	TOTAL POINTS	426.01714

Project Name, Number	Priority List Rank
Township of Morris - Butterworth C340723-02 STP	75

County

Morris

Service Area

Morris Township (portion), Borough of Morris Plains

Existing Population

17,148

Need for Project

The effluent from the Township's Butterworth plant is discharged to the Whippany River and the effluent limitations required by the River's FW2-NT classification are not being met by this plant at the present time. The project impacts both industrial and potable water uses, in addition to non-trout fishing. Existing water quality marginally meets standards for fecal coliform, dissolved oxygen & toxics, & does not meet standards for nutrients.

STP (level of treatment)	Flow (mgd) Design	Flow (mgd) Present	Effluent BOD Reported % - mg/l	Effluent SS Reported % - mg/l
Butterworth (secondary) (NJ0024929)	2.0	1.7	92.2 - 13.84	99.24 - 2.33

Project Description

This proposed project is for the construction of one additional final settling tank, equalization basin, pressure filters, a combination backwash and chlorine contact tank, post aeration facilities, and a new outfall (36-inch diameter, 8000 L.F.). Sludge treatment facilities will also be constructed. These include aeration and pre-thickening tanks, gravity belt thickener units, polymer addition units, and a sludge pumping station.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : POMPTON LAKES MUA

Project No. : 340636-03 | Eligible Project Cost : $17,357,440
FY89 RANK : 76.0
County : PASSAIC | Total State Amount : $17,357,440

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	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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	1
I/I Correction	1	0
	SUBTOTAL	1
	Population	.01100
	TOTAL POINTS	426.01100

Project Name, Number	Priority List Rank
Pompton Lakes Municipal Utilities Authority C340636-03 STP	76

County

Passaic

Service Area

Borough of Pompton Lakes

Existing Population

10,995

Need for Project

Currently, the area is approximately 90% sewered and served by the treatment plant which discharges into the Pompton River, a potable water fishable non-trout source classified as FW2-NT. The project is needed to provide advanced wastewater treatment in order to comply with the Authority's NJPDES permit requirements and to mitigate impacts to both industrial and potable water uses. Water quality marginally meets standards for toxics, and exceeds standards for fecal coliform and nutrients.

STP (level of treatment)	Flow (mgd)		Effluent	
	Design	Present	BOD Reported % - mg/l	SS Reported % - mg/l
Pompton Lakes (Secondary) (NJ0023698)	1.2	.785	89.3 - 23.9	89.7 - 21.0

Project Description

The project will involve upgrading of the Pompton Lakes plant from secondary to Level IV treatment to meet permit limitations.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : ALLENTOWN, BOROUGH OF

Project No. : 340567-03 Eligible Project Cost : $2,744,660
FY89 RANK : 77.0
County : MONMOUTH Total State Amount : $2,744,660

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	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	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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	200
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	200
	Population	.00740
	TOTAL POINTS	425.00740

Project Name, Number	Priority List Rank
Borough of Allentown C340567-03 STP/Sludge Management	77

County

Monmouth

Service Area

Allentown Borough, portions of Upper Freehold Township and Washington Township

Existing Population

7,398

Need for Project

Presently, the Allentown sewage treatment plant fails to meet the secondary treatment discharge requirements and realizes sewage flows in excess of its permitted capacity. These discharges in concert with non-point source nutrient and bacteria loadings from adjacent farms prevent Doctors Creek (FW2-NT), a non-trout stream, from meeting fecal coliform standards and marginally meeting D.O. and ammonia - nitrogen standards. Fishable non-trout and agricultural uses are impacted.

STP (level of treatment)	Flow (mgd)		Effluent	
	Design	Present	BOD Reported % - mg/l	SS Reported % - mg/l
Allentown STP (Secondary) (NJ0020206)	0.240	.252	78.1 - 28.5	78.2 - 30

Project Description

The facilities plan recommends upgrading the STP to adequate secondary treatment and development of a sludge management plan.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : GLOUCESTER CO UA (GIBBSTOWN)

Project No. : 340526-06 Eligible Project Cost : $1,922,527
FY89 RANK : 78.0
County : GLOUCESTER Total State Amount : $1,922,527

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	200
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	200
	Population	.00531
	TOTAL POINTS	425.00531

Project Name, Number	Priority List Rank
Gloucester County UA-(Gibbstown) C340526-06 STP Upgrading/Sludge Mgmt.	78

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	89	21.3	55	79

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 : BLAIRSTOWN TWP

Project No. : 340568-02 Eligible Project Cost : $1,368,396
FY89 RANK : 79.0
County : WARREN Total State Amount : $1,368,396

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.00489
	TOTAL POINTS	425.00489

Project Name, Number

Blairstown Township
C340568-02
Coll, Int.

Priority List Rank

79

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. It has also been determined that the existing water quality of the Paulinskill River (FW2-TM) does not meet the standards for fecal coliform, and has marginally acceptable nutrients and toxics levels. Fishable trout, primary contact recreation, and agricultural water uses are impacted.

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. They are Blair Academy and N. Warren Regional High School, but they will be addressed through the regional project (Warren Co., Paulinskill Fed. 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 and parts of Hardwick and Knowlton Townships.

This project includes the construction of a collection system for the Blairstown Township area pending approval of the Warren County-Paulinskill Municipal Utilities Authority Facilities Plan (C340453-01).

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : GLOUCESTER CO UA (E GREENWICH)

Project No. : 340526-08 Eligible Project Cost : $1,279,593
FY89 RANK : 80.0
County : GLOUCESTER Total State Amount : $1,279,593

I. SEGMENT POINTS

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	25
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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	200
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	200
	Population	.00453
	TOTAL POINTS	425.00453

Project Name, Number	Priority List Rank
Gloucester County UA -(East Greenwich) C340526-08 INT, PS, FM, and Collection System	80

County

Gloucester

Service Area

Harmony Acres Developments in East Greenwich Township

Existing Population

4,530 (East Greenwich)

Need for Project

Nehonsey Creek (SE-2) is subject to severe violations of fecal coliform and marginal violations of D.O. and toxics. This stream supports agricultural and industrial water uses. Existing homes with malfunctioning onsite systems shall be connected with the proposed sewer lines.

The existing East Greenwich Sewage Treatment Plant is currently flowing at its maximum (design) capacity, and the effluent does not meet the permit limitations. The Department has issued an Administrative Order for improving the plant operation and maintenance.

STP (level of treatment)	Flow (mgd) Design	Present	Effluent BOD5 Reported % - mg/l	SS Reported % - mg/l
East Greenwich (secondary) (NJ0030368)	0.04	.04	59 - 58	44 - 36

Project Description

The Gloucester County Utilities Authority Facilities Plan proposes the construction of a pump station, interceptor, and force main for diverting the flows from the existing East Greenwich Plant to the Gloucester County Utilities Authority interceptor for treatment in the regional plant and thereby abandoning the existing East Greenwich plant.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : SUSSEX COUNTY MUA-LOW WALL/SUSSEX BORO

Project No.	: 340573-03	Eligible Project Cost	: $1,604,797
FY89 RANK	: 81.0		
County	: SUSSEX	Total State Amount	: $1,604,797

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	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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	200
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	200
	Population	.00246
	TOTAL POINTS	425.00246

Project Name, Number	Priority List Rank
Sussex County MUA/Sussex Borough C340573-03 STP	81

County

Sussex

Service Area

Borough of Sussex

Existing Population

2,457

Need for Project

The existing wastewater treatment plant (NJ0021857) is located within and serves the Borough of Sussex. The treatment plant will be evaluated for its ability to comply with discharge permit requirements. It currently exhibits inadequate secondary treatment. As a result, area streams (Clove Brook and Papakating (both FW2-NT) to the Wallkill), classified for non-trout fishing and industrial use, are impacted. Water quality marginally meets standards for dissolved oxygen and toxics, but often violates fecal coliform levels.

STP (level of treatment)	Flow (mgd) Design	Present	Effluent BOD5 Reported % - mg/l	SS Reported % - mg/l
Sussex Boro STP	0.25	0.34	92.9 - 8.4	82.7 - 32.

NJ0021857 (AST - 95%)

Project Description

Either the SCMUA or the Borough of Sussex will plan, design, and construct the upgraded facilities. This will include the elimination of the inadequate secondary treatment problems experienced by the Borough of Sussex sewage treatment plant to bring this plant into compliance with all applicable regulations. Implementation aspects regarding the designated planning agency must be resolved.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : EVESHAM MUA (MEDFORD LAKES)

Project No. : 340463-06 Eligible Project Cost : $4,128,668
FY89 RANK : 82.0
County : BURLINGTON Total State Amount : $4,128,668

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	1
I/I Correction	1	0
	SUBTOTAL	1
	Population	.00513
	TOTAL POINTS	401.00513

Project Name, Number

Priority List Rank

Evesham MUA (Medford Lakes Boro)
C340463-06
STP, INT, IND SYSTEM

82

County

Burlington

Service Area

Medford Lakes Borough

Existing Population

5,013

Need for Project

The Rancocas Creek and, in particular, the lakes in the headwaters of the Haynes Creek are classified as FW2-NT non-trout waters with recreational primary contact. The existing water quality is violated for fecal coliform, nutrients 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
Medford Lakes Borough (Secondary) (NJ0021326)	.55	.41	95 - 6.7	96.7 - 4.5

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 facilities 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, both including utilization of interceptors and on-site systems.

The ultimate sludge disposal will be incorporated into the on-going county-wide sludge and septage management plan recommendations.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : PEQUANNOCK, TOWNSHIP OF

Project No. : 340480-05 Eligible Project Cost : $2,770,796
FY89 RANK : 83.0
County : MORRIS Total State Amount : $2,770,796

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	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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	1
I/I Correction	1	0
	SUBTOTAL	1
	Population	.00058
	TOTAL POINTS	401.00058

Project Name, Number

Priority List Rank

Pequannock, Township of
C340480-05
Force Main, Pump Station, Collection System

83

County

Morris

Service Area

1. Southeast corner of Pequannock Township, including the area surrounding the intersection of New Jersey Route 33 and Jackson Avenue.

2. The residential sections of Riverside Drive and Oak Avenue and the business/commercial district in Newark Pompton Turnpike.

Existing Population

580

Need for Project

High groundwater levels and poor soil conditions are contributing to the failure of on-site systems in the area near the intersection of New Jersey Route 33 and Jackson Avenue. This situation is a public nuisance and potential health hazard.

The septic systems in the residential and commercial properties in the vicinity of Riverside Drive, Oak Avenue, and Newark Pompton Turnpike must also be eliminated.

STP (level of treatment)	Flow (mgd) Design	Present	Effluent BOD Reported % - mg/l	SS Reported % - mg/l
Package STP (secondary) (NJ0026514)	.02	NA	88.3 - 16.6	88.1 16.4

NA - Not Available

The package treatment plant dicharges into the Pompton River, which is classified as FW-2 (non-trout), and has potable and industrial water uses. The river does not meet standards for fecal coliform, and only marginally meets standards for nutrients and toxics.

Project Description

A collection system with associated pumping facilities are proposed to serve the area in the vicinity of New Jersey Route 33 and Jackson Avenue. Flows will be conveyed to the Wayne Township STP and the existing 20,000 gpd package treatment plant will be eliminated.

A collection system is proposed for the area in the vicinity of Riverside Drive, Oak Avenue, and the Newark Pompton Turnpike.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : PEQUANNOCK, TOWNSHIP OF

Project No. : 340480-04 Eligible Project Cost : $1,305,000
FY89 RANK : 84.0
County : MORRIS Total State Amount : $1,305,000

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	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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	1
I/I Correction	1	0
	SUBTOTAL	1
	Population	.00057
	TOTAL POINTS	401.00057

Project Name, Number

Priority List Rank

Pequannock, Township of
C340480-04
Force Main and Pump Station

84

County

Morris

Service Area

The residential sections of Riverside Drive and Oak Avenue and the business/commercial district on Newark Pompton Turnpike in Pequannock.

Existing Population

573

Need for Project

The existing 0.01 mgd Laurel Homes package wastewater treatment plant is under an administrative consent order from the NJDEP to be improved or replaced. The effluent from the plant is discharged into the Pompton River, which is classified as FW-2 (non-trout), and has potable and industrial water uses. The river does not meet standards for fecal coliform, and only marginally meets standards for nutrients and toxics.

STP (level of treatment)	Flow (mgd) Design	Present	Effluent BOD Reported % - mg/l	SS Reported % - mg/l
Laurel Homes (secondary) (NJ0024465)	NA	NA	95.3 - 6.65	84.4 14.6

NA - Not Available

Project Description

A pump station and force main are proposed to convey wastewater flows from the Laurel Homes STP service area to the Wayne Township STP. The Laurel Homes STP will thus be eliminated.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : MANVILLE BOROUGH

Project No. : 340578-03 Eligible Project Cost : $7,257,247
FY89 RANK : 85.0
County : SOMERSET Total State Amount : $7,257,247

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	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	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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	200
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	200
	Population	.01265
	TOTAL POINTS	400.01265

Project Name, Number	Priority List Rank
Borough of Manville C340578-03 Force Main, Interceptor	85

County

Somerset

Service Area

Entire portion of the Borough and some portions of Hillsborough Township

Existing Population

12,654

Need for Project

The present facility is hydraulically overloaded. This has resulted in a significant adverse impact on the Raritan River (FW2-NT) leading to the contravention of fecal coliform and toxics standards for this waterway on a frequent basis. Fishable non-trout, industrial, and agricultural uses of the river are impacted.

STEP (level of treatments)	Flow (mgd)		Effluent			
	Design	Present	BOD Reported		SS Reported	
			%	mg/l	%	mg/l
Manville STP (secondary) (NJ0028762)	0.8	1.12	73.2	51.7	74.4	46.0

Project Description

The existing Borough treatment plant will be abandoned and a new pump station constructed on-site. A new force main will convey wastewater flows to the Somerset-Raritan Valley Sewage Authority treatment plant.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : MILFORD BOROUGH

Project No. : 340805-02 Eligible Project Cost : $3,430,675
FY89 RANK : 86.0
County : HUNTERDON Total State Amount : $3,430,675

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	100
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	100
	Population	.00610
	TOTAL POINTS	400.00610

Project Name, Number

Borough of Milford
C340805-02
Sludge & Septage Treatment/Disposal,
On-site, I/I Correction

Priority List Rank

86

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 : GLOUCESTER CO UA (LOGAN)

Project No. : 340526-04 Eligible Project Cost : $12,561,072
FY89 RANK : 87.0
County : GLOUCESTER Total State Amount : $12,561,072

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	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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	1
I/I Correction	1	0
	SUBTOTAL	1
	Population	.00689
	TOTAL POINTS	376.00689

Project Name, Number
Gloucester County U.A. -(Logan)
C340526-04
STP, Int., P.S., F.M., Sludge Mgmt.

Priority List Rank
87

County
Gloucester

Service Area
Logan Twp., Swedesboro and Woolwich Township

Existing Population
6,895

Need for Project
Delaware River and Rancocas Creek (FW2-NT) are non-trout streams with severe violations of fecal coliform and marginal violations of D.O. and toxics. These streams support fishing, recreational, agricultural and industrial water uses.

The Swedesboro plant does not consistently meet the effluent limitations for BOD5 and SS. The major contributing factor towards the reduced plant efficiency is the excessive hydraulic loading of the clarifier due to higher daily peak flows. Also, the Swedesboro plant receives some relatively high-strength wastes from a local fruit canning industry. The Logan plant did not meet the effluent limitations in the past and both plants need upgrading in order to meet the stringent effluent limitations of the Department.

STP (level of treatment)	Flow (mgd) Design	Present	Effluent BOD Reported % - mg/l	SS Reported % - mg/l
Logan TWP. MUA (secondary) (NJ0027545)	1.00	.48	93.0 - 7.3	95.6 - 4.3
Swedesboro Borough (secondary) (NJ0022021)	0.35	.20	97.1 - 15.0	97.0 - 15.0

Project Description
The selected plan proposes complete regionalization of the wastewater flows from Logan and Woolwich Townships as well as the Borough of Swedesboro. Treatment will be provided at the existing Logan MUA sewage treatment facility. The plant will be expanded first from 2.0 MGD to 3 MGD, and then from 3 MGD to 4.6 MGD to handle the projected flows. Both expansions will utilize the addition of package activated sludge units to provide treatment for the increased flows. The ultimate sludge disposal will be incorporated into the GCUA's county wide sludge management plan.

The project shall also include construction of pump stations, force mains, and gravity sewers.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : OCEAN COUNTY UA

Project No. : 340372-11 Eligible Project Cost : $1,339,815
FY89 RANK : 88.0
County : OCEAN Total State Amount : $1,339,815

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	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	50
Nutrients	0	25	50	25
Toxics	0	25	50	0
			SUBTOTAL	75

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.02000
	TOTAL POINTS	375.02000

Project Name, Number	Priority List Rank
Ocean County Utilities Authority C340372-11 Inter., FM	88

County

Ocean

Service Area

Pine Beach Borough, portions of Dover Township, and Island Beach communities

Existing Population

20,000 All year around
90,000 Summer

Need for Project

The existing interceptor (CI-13) and pumping station (CPS-14) serving the area are hydraulically overloaded during the Summer months and discharge raw sewage into the Atlantic Ocean(SC). Therefore, alternatives were evaluated to address the most cost effective solution that would relieve the marginally acceptable levels of nutrients and fecal coliform. Shellfishing and primary contact recreation are presently impacted.

Project Description

A parallel interceptor and a high flow pumping station are being proposed to relieve the overloaded situation.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : JEFFERSON TOWNSHIP (ROCKAWAY)

Project No. : 340747-04 Eligible Project Cost : $5,162,476
FY89 RANK : 89.0
County : MORRIS Total State Amount : $5,162,476

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.00787
	TOTAL POINTS	375.00787

Project Name, Number

Priority List Rank

Jefferson Township (Rockaway)
C340747-04
INT, PS, FM, COLL, IND SYSTEM

89

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 : OCEAN COUNTY UA

Project No. : 340372-13 Eligible Project Cost : $4,951,072
FY89 RANK : 90.0
County : OCEAN Total State Amount : $4,951,072

I. SEGMENT POINTS

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	50
Nutrients	0	25	50	25
Toxics	0	25	50	0
			SUBTOTAL	75

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.00657
	TOTAL POINTS	375.00657

Project Name, Number	Priority List Rank
Ocean County Utilities Authority C340372-13 Force Main	90

County

Ocean

Service Area

Mantoloking, Normandy Beach, Lavallette, Ortley Beach, Seaside Heights, and Seaside Park

Existing Population

6,570 Year round
85,000 Summer

Need for Project

The existing force main crossing the Barnegat Bay is experiencing leakage. This leakage is detrimental to the water quality in the Barnegat Bay(SE-1(C1)) and impacts shellfishing and primary contact recreation. Fecal coliform and nutrients levels are marginally acceptable.

Project Description

Facilities planning is being conducted to find the most cost-effective and environmentally sound alternative to this problem. A parallel force main seems to be the most likely solution.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : HOWELL TWP MUA

Project No. : 340832-01 Eligible Project Cost : $4,547,341
FY89 RANK : 91.0
County : MONMOUTH Total State Amount : $4,547,341

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.00192
	TOTAL POINTS	375.00192

Project Name, Number

Howell Township MUA
C340832-01
Collection System, Int.

Priority List Rank

91

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 : ROOSEVELT, BOROUGH OF

Project No. : 340761-02 Eligible Project Cost : $642,461
FY89 RANK : 92.0
County : MONMOUTH Total State Amount : $642,461

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	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	50
Fecal Coliform	0	50	100	50
Nutrients	0	25	50	25
Toxics	0	25	50	0
			SUBTOTAL	125

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	200
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	200
	Population	.00089
	TOTAL POINTS	375.00089

Project Name, Number	Priority List Rank
Borough of Roosevelt C340761-02 STP, Sludge Management	92

County

Monmouth

Service Area

Borough of Roosevelt

Existing Population

894

Need for Project

The receiving stream for the Borough of Roosevelt Wastewater Treatment Plant is Assunpink Creek, which is classified as FW2-NT (fishable, nontrout), with agricultural water uses downstream of the STP discharge. The existing treatment plant has been in violation of its NJPDES permit requirement for 90 percent removal of BOD5 and suspended solids. The existing inadequate secondary discharge from this plant has a serious detrimental effect on the water quality of the Assunpink Creek. The existing water quality of the Assunpink Creek marginally meets the dissolved oxygen, fecal coliform and nutrients standards.

STP (level of treatment)	Flow (mgd) Design	Present	Effluent BOD Reported % - mg/l	SS Reported % - mg/l
Borough of Roosevelt (Secondary) (NJ0022918)	0.25	.34	82.9-15	53-17.4

Project Description

The project report will investigate methods for upgrading and/or expanding the existing municipal wastewater treatment facilities to bring the municipal discharges into compliance with its NJPDES effluent limitations/wasteload allocation requirements. Alternatives, which include upgrading the existing treatment facilities or a new treatment plant which would phase out the existing treatment plant (or combination of the alternatives) will be evaluated. A sludge and septage management plan will be evaluated to determine the ultimate disposal of sludge solids generated by the public wastewater treatment facilities serving the planning area. Infiltration/inflow studies for local collection systems will be conducted, and rehabilitation may be warranted.

NEW JERSEY STATE LIBRARY

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : BERNARDSVILLE BOROUGH

Project No. : 340816-01 | Eligible Project Cost : $4,938,736
FY89 RANK : 93.0
County : SOMERSET | Total State Amount : $4,938,736

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	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	50
			SUBTOTAL	125

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	1
I/I Correction	1	0
	SUBTOTAL	1
	Population	.00668
	TOTAL POINTS	351.00668

Project Name, Number

Priority List Rank

Bernardsville Borough
C340816-01
STP Improvements

93

County

Somerset

Service Area

Borough of Bernardsville

Existing Population

6,675

Need for Project

Major components of the present sewerage treatment plant will reach the end of their useful life during the planning period, though the plant presently meets its NJPDES requirements. Thus, structures and tankage in the plant require extensive renovation or replacement. This plant discharges into Mine Brook (FW2-NT), a tributary of the North Branch Raritan River. The discharge impacts downstream fishing and potable water uses. Toxics levels are unacceptable, with fecal coliform and nutrients levels marginally acceptable.

STP (level of treatment)	Flow (mgd) Design	Flow (mgd) Present	Effluent BOD5 Reported % - mg/l	Effluent SS Reported % - mg/l
Bernardsville Borough (Secondary) (NJ0026387)	0.5	0.45	93.5 - 9.8	89.6 - 17.4

Project Description

Priority improvements include: increased sludge treatment capability, improved instrumentation, improved laboratory and office facilities, and provision for energy recovery from the anaerobic digestors.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : NORTHEAST MONMOUTH RSA

Project No.	: 340684-06	Eligible Project Cost	:	$5,126,030
FY89 RANK	: 94.0			
County	: MONMOUTH	Total State Amount	:	$5,126,030

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.07416
	TOTAL POINTS	325.07416

Project Name, Number

Priority List Rank

Northeast Monmouth County RSA
C340684-06
Outfall Reconstruction

94

County

Monmouth

Service Area

Eatontown Borough, Fair Haven Borough, Little Silver Borough, Monmouth Beach Borough, Ocean Port Borough, Red Bank Borough, Rumson Borough, Sea Bright Borough, Shrewsbury Borough, Shrewsbury Township, West Long Branch Borough, Tinton Falls (northern portion)

Existing Population

74,160

Need for Project

The 48-inch 2,530 foot spirally welded steel outfall was constructed in 1971. During February 1978, a severe coastal storm completely severed a 300-foot section of the outfall approximately 900 feet from the shoreline. Since that time, treated effluent has been discharged at this point at a depth of 15 feet below the mean low water elevation. This discharge is in violation of the designated uses of the present receiving waters, the Atlantic Ocean, classified as SC by the NJDEP Surface Water Quality Standards. The intended uses of these waters include primary contact recreation activities and shellfish harvesting. Consequently, the existing condition presents a potential health problem.

Project Description

The proposed outfall reconstruction will consist of the original and existing pipeline from the seawall to station 54+00, beyond this point, a new 2,130 foot section, which will be 48 inches in diameter, will be installed and buried in a trench. The last 900 feet of this new section will constitute the diffuser section. Once installed, these diffusers will extend approximately 3 feet above the ocean bottom. Stabilization of the outfall will be provided by backfilling of the trench with sand up to the springline, followed next by the placement of cement-filled nylon fiber bags on the crown of the new pipe continuously along its length. Finally, stones will be used to fill the remainder of the trench. In operation, treated effluent will be continuously discharged into waters designated CW-2 by NJDEP, at a depth of between 25 to 30 feet below the mean low water elevation and a distance of 1600 to 2500 feet from the shoreline. As such, there will be no interference with the intended uses of the receiving waters.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : LONG BRANCH SA

Project No. : 340336-03 Eligible Project Cost : $1,353,585
FY89 RANK : 95.0
County : MONMOUTH Total State Amount : $1,353,585

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	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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.03000
	TOTAL POINTS	325.03000

Project Name, Number	Priority List Rank
Long Branch Sewerage Authority C340336-03 Joline Ave. Force Main, P.S. and Grit Handling Facilities	95

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	91.1 - 16.5	92.4 - 15.5

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 : BERGEN COUNTY UA

Project No. : 340386-04 Eligible Project Cost : $84,098,024
FY89 RANK : 96.0
County : BERGEN Total State Amount : $84,098,024

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	1
I/I Correction	1	0
	SUBTOTAL	1
	Population	.37675
	TOTAL POINTS	301.37675

Project Name, Number

Priority List Rank

Bergen County Utilities Authority
C340386-04
AWT/PS, FM

96

County

Bergen

Service Area

The service area consists of 50 municipalities in Bergen County.

Existing Population

376,750

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	68	58.9-44.9	80.9-23.2

* 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 : BERGEN COUNTY UA

Project No. : 340768-03 Eligible Project Cost : $14,890,649
FY89 RANK : 97.0
County : BERGEN Total State Amount : $14,890,649

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.37252
	TOTAL POINTS	301.37252

Project Name, Number	Priority List Rank
Bergen County U.A., Combined Sewer Overflow and Peak Flow Management Program C340768-03	97

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

Existing Population

372,518

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.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : HCUA (CITY OF JERSEY CITY)

Project No. : 340399-10 Eligible Project Cost : $320,216,005
FY89 RANK : 98.0
County : HUDSON Total State Amount : $320,216,005

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.31609
	TOTAL POINTS	301.31609

Project Name, Number

Priority List Rank

Hudson County Utilities Authority
C340399-10
Planning Area I - Combined Sewer Overflow Abatement

98

County

Hudson

Service Area

Jersey City, Kearny, North Bergen, Secaucus

Existing Population

316,088

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 attributed to high pollutant loadings from inadequately treated municipal and industrial effluents combined sewer overflows and non-point sources.

Project Description

In-line storage of CSO by the construction of barriers in trunk sewers, regulator automation, and utilization of available interceptor space.

Although this project has not been formally adopted by the HCUA, studies indicate that this is the most cost-effective solution with respect to pollution reduction.

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

WORKSHEET - PRIORITY RANKING

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

Project No. : 340399-20 Eligible Project Cost : $14,511,455
FY89 RANK : 99.0
County : HUDSON Total State Amount : $14,511,455

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	1
I/I Correction	1	0
	SUBTOTAL	1
	Population	.03540
	TOTAL POINTS	301.03540

Project Name, Number	Priority List Rank
Hudson County Utilities Authority North Bergen C340399-20 WWTF-Upgrade	99

County

Hudson

Service Area

Township of North Bergen-Central WWTF Service Area

Existing Population

35,401

Need for Project

The Township of North Bergen-Central WWTF will be required to meet "Level 3" Treatment for their Cromakill Creek Tributary-Hackensack River (SE-2) (Estuary) discharge. The DO and fecal coliform levels are presently unacceptable, with toxics levels marginally acceptable. The advanced treatment requirement will apply to existing flow (approximately 5.43 MGD-ADF) and all future flows. The existing Township of North Bergen - Central WWTF operating characteristics are as follows:

			Effluent Characteristics-1984	
Facility	Design Capacity	ADF-1984	BOD5 (conc/ % removal)	TSS (conc/ % removal)
Twp. of North Bergen-Central WWTF NJ0034339	10.0 mgd	4.8 mgd	20mg/l 82%	20mg/l 82%

Project Description

Upgrade of the North Bergen-Central WWTF to AWT ("Level 3"). Sludge considerations are to be included in HCUA Project No. C340399-15.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : LONG BRANCH SA

Project No. : 340336-04 Eligible Project Cost : $9,124,127
FY89 RANK : 100.0
County : MONMOUTH Total State Amount : $9,124,127

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	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	275

B. Existing Water Quality

Parameter	Meets Standards	Marginally 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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.03000
	TOTAL POINTS	301.03000

Project Name, Number

Priority List Rank

Long Branch Sewerage Authority
C340336-04
Infiltration/Inflow Correction-Overflow

100

County

Monmouth

Service Area

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

Existing Population

30,000

Need for Project

Approximately 70% of the sewer lines in the planning area were constructed prior to 1930 and were constructed primarily of terra cotta or asbestos cement pipe. During periods of rainfall and/or high groundwater, flows in excess of 10 mgd have been recorded at the plant greatly exceeding the theoretical wastewater design flow of 3.6 mgd. These high flows exceed the hydraulic capacity of the plant washing out the activated sludge from the aeration tanks. The overflow condition has a potentially detrimental effect upon the water uses (i.e., fishing, shellfishing and primary contact recreation) of the Atlantic Ocean, SC-1. Completion of this project will help eliminate the sewage overflows presently being experienced in the community during the rainfall and/or high groundwater conditions.

Project Description

The project will consist of the minor rehabilitation 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.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : EVESHAM MUA (ELMWOOD)

Project No. : 340463-03 Eligible Project Cost : $6,711,643
FY89 RANK : 101.0
County : BURLINGTON Total State Amount : $6,711,643

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	100
Fecal Coliform	0	50	100	100
Nutrients	0	25	50	25
Toxics	0	25	50	50
		SUBTOTAL		275

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	1
I/I Correction	1	0
	SUBTOTAL	1
	Population	.02867
	TOTAL POINTS	301.02867

Project Name, Number	Priority List Rank
Evesham MUA (Elmwood) C340463-03 STP, INT, IND SYSTEM	101

County

Burlington

Service Area

Evesham Township (Elmwood)

Existing Population

28,670

Need for Project

The South Branch of the Rancocas Creek is classified as PL and FW2-NT waters. The existing water quality is in violation for dissolved oxygen, fecal coliform, and toxics with marginal violation of nutrients. 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	Flow (mgd) Present	Effluent BOD5 Reported % - mg/l	Effluent SS Reported % - mg/l
Elmwood (Secondary) (NJ0024031)	1.5	1.3	94.6 - 10.4	96.6 - 6.4

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 county-wide sludge and septage management plan recommendation.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : HUDSON COUNTY UA (SECAUCUS)

Project No. : 340399-19 Eligible Project Cost : $12,350,370
FY89 RANK : 102.0
County : HUDSON Total State Amount : $12,350,370

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	1
I/I Correction	1	0
	SUBTOTAL	1
	Population	.01525
	TOTAL POINTS	301.01525

Project Name, Number	Priority List Rank
Hudson County Utilities Authority-Secaucus C340399-19 WWTF-Expansion/Upgrade-AT	102

County

Hudson

Service Area

Jurisdiction of Secaucus Municipal Utilities Authority

Existing Population

15,253

Need for Project

Under a NJPDES permit issuance effective May 1, 1985, the Secaucus Municipal Utilities Authority is required to provide advanced wastewater treatment (Level 3) effective May 1, 1988, for 2.8 MGD. The permit requirements necessitate an expansion and upgrade of the Secaucus Municipal Utilities Authority WWTF to satisfy water quality requirements for the Mill Creek discharge (tributary to the Hackensack River (Estuary)), classification SE-2. Fishable non-trout and industrial water uses are impacted due to unacceptable levels of DO, fecal coliform, and toxics. The existing Secaucus-WWTF performance is as follows:

Facility Description	Design	Present	Effluent BOD5 Reported % - mg/l	Effluent SS Reported % - mg/l
Seacaucus MUA-WWTF (NJ0032921)	2.25	2.4	88 - 18	88 - 18

Project Description

The Hudson County Utilities Authority will implement the expansion and upgrade of the existing Secaucus Municipal Utilities Authority WWTF in accordance with required permit conditions. Sludge treatment/disposal associated with this project is to become part of the Hudson County Utilities Authority - Sludge Management Plan (Federal Project No. C340399-15).

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : WEST MILFORD MUA (OLDE MILFORD)

Project No. : 340701-06 Eligible Project Cost : $325,000
FY89 RANK : 103.0
County : PASSAIC Total State Amount : $325,000

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	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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	1
I/I Correction	1	0
	SUBTOTAL	1
	Population	.00090
	TOTAL POINTS	301.00090

Project Name, Number	Priority List Rank
West Milford MUA (Olde Milford) C340701-06 STP	103

County

Passaic

Service Area

Portion of the Township of West Milford

Existing Population

900

Need for Project

The effluent from the Olde Milford STP is not meeting water quality standards required under the NJPDES permit. To comply with the Clean Water Act and NJDEP directions in the recently signed Administrative Consent Order, the West Milford Township MUA must upgrade the STP to meet Level 4 treatment as specified in the Northeast Water Quality Management Plan (amended 1986).

The Olde Milford STP discharges to the Wanaque River, which does not meet standards for nutrients. The river is a non-trout fishery, with potable water supply and agricultural uses.

STP (level of treatment)	Flow (mgd)		Effluent			
	Design	Present	BOD Reported		SS Reported	
			%	mg/l	%	mg/l
Olde Milford (secondary) (NJ0027677)	.170	.047	91.8	- 14.7	91.0	- 11.0

Project Description

The proposed project will upgrade the existing Olde Milford treatment plant. In order for the STP to meet Level 4 treatment, it will be necessary to install phophorus removal equipment, nitrification facilities, UV disinifection equipment, and postaeration facilities.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : MOUNT LAUREL TWP MUA

Project No. : 340409-04 Eligible Project Cost : $12,304,774
FY89 RANK : 104.0
County : BURLINGTON Total State Amount : $12,304,774

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	0
Toxics	0	25	50	25
			SUBTOTAL	175

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.02455
	TOTAL POINTS	300.02455

Project Name, Number

Priority List Rank

Mount Laurel Township M.U.A.
C340409-04
STP, INT, PS, FM, Sludge Management

104

County

Burlington

Service Area

Mount Laurel Township

Existing Population

24,551

Need for Project

The receiving streams of the four existing treatment plants are the tidal Rancocas Creek (FW2-NT), North Branch of Pennsauken Creek (FW2-NT) South Branch of Rancocas Creek (FW2-NT), and Parker's Creek (FW2-NT). These non-trout streams, with severe violations of fecal coliform and marginal violations of D.O. and toxics, have agricultural and industrial water uses. Four existing plants were not meeting the NJPDES and State permits requirements. As a result, the NJPDES and State permitsincluded a provision for abandonment of these plants (except Hartford) and transportation of their flows to the regional Hartford plant when the regional facilities will be available. Although these existing plants are presently achieving about 94% BOD5 and SS removals flowing at half their design flows, they may not meet the current permit requirements at full design flows, since these plants were not originally designed for 90% removal.

STP (level of treatment)	Flow (mgd) Design	Present	Effluent BOD Reported % - mg/l	SS Reported % - mg/l
1. Hartford Interim (Secondary)	1.40	1.23	94 - 7.3	92.0 - 17.6
2. Ramblewood "	0.50	0.46	93.7 - 14.7	90.7 - 22.6
3. Rancocas Woods "	0.12	0.043	94.2 - 9.37	96.2 - 3.4
4. N.J. Turnpike "	0.06	0.03	96.1 - 9.4	99.0 - 3.4

Project Description

The draft facilities plan proposed that the existing Hartford plant would be upgraded and expanded from 1.4 mgd to 2.95 mgd to achieve 90% reduction of ultimate BOD5 and NOD. The remaining three (3) plants shall be abandoned and their flows shall be transported to the Hartford regional facilities through proposed interceptors, force mains, and pump stations.

The ultimate sludge disposal will be incorporated into the on-going county-wide sludge and septage management plan recommendations.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : HAMILTON TOWNSHIP

Project No. : 340898-01 Eligible Project Cost : $9,562,320
FY89 RANK : 105.0
County : MERCER Total State Amount : $9,562,320

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	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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	1
I/I Correction	1	0
	SUBTOTAL	1
	Population	.09542
	TOTAL POINTS	276.09542

Project Name, Number	Priority List Rank
Hamilton Township Advanced Treatment C340898-01	105

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.

STP (level of treatment)	Flow (mgd)		Effluent			
	Design	Present	BOD Reported		SS Reported	
			%	- mg/l	%	- mg/l
Hamilton Twp. (Secondary) (NJ 0026301)	16.0	10.2	86.3	21.6	89.5	14.4

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 : ATLANTIC COUNTY UA (MULLICA UGEH)

Project No. : 340518-03 Eligible Project Cost : $12,932,761
FY89 RANK : 106.0
County : ATLANTIC Total State Amount : $12,932,761

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	100
Fecal Coliform	0	50	100	50
Nutrients	0	25	50	50
Toxics	0	25	50	25
			SUBTOTAL	225

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	1
I/I Correction	1	0
	SUBTOTAL	1
	Population	.03067
	TOTAL POINTS	276.03067

Project Name, Number

Priority List Rank

Atlantic Co. UA -
Mullica Upper Great Egg Harbor
C340518-03
Upgrading of STP

106

County

Atlantic

Service Area
Hammonton, Mullica and Buena Vista Township, Folsom and Buena Borough

Existing Population
30,668

Need for Project

The town of Hammonton and Buena MUA wastewater treatment facilities discharge effluent to the Mullica River and Egg Harbor River, both of which are classified for non-trout fishing and agricultural use. These rivers do not meet standards for D.O. and nutrients and marginally meets standards for fecal coliform and toxics. High BOD5 loadings occur which can be associated with municipal point discharges. The Mullica River and Egg Harbor River are designated as PL by NJDEP. The upgrading of the wastewater treatment plant is necessary in order to avoid continued water quality degradation.

STP (level of treatment)	Flow (mgd) Design	Present	Effluent BOD Reported % - mg/l	SS Reported % - mg/l
Town of Hammonton	1.6	0.89	83.6 - 34.1	91.3 - 19.3
(Secondary) (NJ0025160)	Seasonal	0.96	86.8 - 26.5	91.8 - 18.5
Buena MUA	0.4	0.41	89.0 - 14.5	93.5 - 17.4
(Secondary) (NJ0021717)	Seasonal	0.52	82.8 - 12.8	93.1 - 15.8

Project Description
The proposed project has progressed to the plant selection/preliminary engineering phase of facilities planning. The Atlantic County Utilities Authority recommended plan includes:

1. Elimination of the Hammonton WWTF Mullica River tributary discharge via the construction of a spray irrigation system for effluent disposal.

2. Elimination of the Buena Borough MUA WWTF Egg Harbor River tributary discharge via the construction of a spray irrigation system for effluent disposal. This proposal also includes the construction of sub-regional raw wastewater conveyance facilities to eliminate on-site system problems in the Collings Lakes community.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : GLOUCESTER CO UA (MULLICA HILL)

Project No. : 340526-05 Eligible Project Cost : $512,739
FY89 RANK : 107.0
County : GLOUCESTER Total State Amount : $512,739

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	1
I/I Correction	1	0
	SUBTOTAL	1
	Population	.00386
	TOTAL POINTS	276.00386

Project Name, Number	Priority List Rank
Gloucester County UA (Mullica Hill) C340526-05 STP, Sludge Management	107

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/l, BOD5 - 7 and 10 mg/l, and SS - 8 and 12 mg/l. 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/l	SS Reported % - mg/ l
Mullica Hill-Harrison (Secondary) (NJ0020532)	0.40	.09	89.0 - 33.0	95.2 - 7.0

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 : PEAPACK & GLADSTONE BOROUGH

Project No. : 340822-02 Eligible Project Cost : $2,538,514
FY89 RANK : 108.0
County : SOMERSET Total State Amount : $2,538,514

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	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	0
	SUBTOTAL	275

B. Existing Water Quality

Parameter	Meets Standards	Marginally 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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	1
I/I Correction	1	0
	SUBTOTAL	1
	Population	.00213
	TOTAL POINTS	276.00213

Project Name, Number	Priority List Rank
Borough of Peapack-Gladstone C340822-02 STP Expansion and Upgrading	108

County

Somerset

Service Area

Entire Borough of Peapack-Gladstone

Existing Population

2,128

Need for Project

The existing wastewater treatment plant is unable to meet projected effluent limitations and has insufficient capacity for projected growth. The plant is located upstream of the intake of Elizabethtown Water Company, and discharges to Peapack Brook (FW2-TP (C1)), a potable water supply and 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	.092	90.2 - 26.8	89.5 -14.3

Project Description

The project is for expansion and upgrading of the existing secondary Peapack-Gladstone treatment plant from 0.20 to 0.34 mgd advanced treatment facility. This project will prevent degradation and ensure the maintenance of the high quality of Peapack-Brook and the North Branch Raritan River, thus, providing the health promulgation of the aquatic environment, while servicing the needs of the Borough.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : EVESHAM MUA (MEDFORD TWP)

Project No. : 340463-04 Eligible Project Cost : $11,676,787
FY89 RANK : 109.0
County : BURLINGTON Total State Amount : $11,676,787

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.02027
	TOTAL POINTS	275.02027

Project Name, Number

Evesham MUA - (Medford Township)
C340463-04
STP, INT, IND SYSTEM

Priority List Rank

109

County

Burlington

Service Area

Medford Township

Existing Population

20,271

Need for Project

The Southwest Branch of Rancocas Creek is classified as PL waters (fishable nontrout). The existing water quality marginally meets dissolved oxygen and violates fecal coliform and toxics standards. 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 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
Medford Township (Secondary) (NJ0026832)	1.3	1.23	91.3 - 21.6	92.4 - 19.7

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 facilities planning effort is evaluating the various alternatives which will accommodate the 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 county-wide sludge and septage management plan recommendations.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : HUDSON COUNTY UA (HOBOKEN)

Project No. : 340399-09 Eligible Project Cost : $12,472,509
FY89 RANK : 110.0
County : HUDSON Total State Amount : $12,472,509

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.20609
	TOTAL POINTS	251.20609

Project Name, Number	Priority List Rank
Hudson County Utilities Authority C340399-09 Planning Area III - Combined Sewer Overflow Abatement	110

County

Hudson

Service Area

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

Existing Population

206,092

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, Weehawken and Woodcliff 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.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : WESTERN MONMOUTH UA

Project No. : 340891-01 Eligible Project Cost : $345,208
FY89 RANK : 111.0
County : MONMOUTH Total State Amount : $345,208

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	100
Fecal Coliform	0	50	100	50
Nutrients	0	25	50	50
Toxics	0	25	50	0
			SUBTOTAL	200

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	1
I/I Correction	1	0
	SUBTOTAL	1
	Population	.05356
	TOTAL POINTS	251.05356

Project Name, Number	Priority List Rank
Western Monmouth Regional Sewerage Authority C340891-01	111

County

Monmouth

Service Area

Manalapan Township and Marlboro Township; Englishtown and part of Freehold Township are customer communities.

Existing Population

53,558

Need for Project

Currently, water quality does not meet standards for dissolved oxygen and nutrients, and fecal coliform levels are only marginally acceptable. The water is used for non-trout fishing and agricultural purposes. More stringent NJPDES Permits require the effluent to be dechlorinated.

Project Description

The project calls for the construction of a dechlorination unit.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : FAIRLAWN, BOROUGH OF

Project No. : 340795-02 Eligible Project Cost : $3,889,106
FY89 RANK : 112.0
County : BERGEN Total State Amount : $3,889,106

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	1
I/I Correction	1	0
	SUBTOTAL	1
	Population	.03130
	TOTAL POINTS	251.03130

Project Name, Number

Fairlawn, Borough of
C340795-02
Int.

Priority List Rank

112

County

Bergen

Service Area

Borough of Fairlawn

Existing Population

31,297

Need for Project

The existing wastewater treatment plant discharges into the Saddle River, Stream Classification FW2-NT, a fishable non-trout stream with industrial use. There exists periods of time when the plant's capacity is exceeded. This project is needed so that the requirements of the NJPDES permit are met. Water quality marginally meets standards for dissolved oxygen and violates standards for fecal coliform and toxics.

STP (level of treatment)	Flow (mgd) Design	Present	Effluent BOD Reported % - mg/l	SS Reported % - mg/l
Fairlawn (Secondary) (NJ0023671)	3.3	2.74	90.4 - 14.5	87.9 - 17.7

Project Description

This project involves construction of an interceptor to transport the above flows to PVSC. Another alternative that is being evaluated is the expansion and upgrading of the treatment plant to Level III, advanced treatment, to meet NJPDES permit requirements.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : EVESHAM MUA (WOODSTREAM)

Project No. : 340463-05 Eligible Project Cost : $6,253,463
FY89 RANK : 113.0
County : BURLINGTON Total State Amount : $6,253,463

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	1
I/I Correction	1	0
	SUBTOTAL	1
	Population	.02867
	TOTAL POINTS	251.02867

Project Name, Number

Priority List Rank

Evesham MUA (Woodstream)
C340463-05
STP, INT, IND SYSTEM, Sewer System Rehab

113

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 violated 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 (secondary) (NJ0024040)	1.25	.91	96.0 - 10.46	97.1 5.5

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 : CAMDEN COUNTY MUA

Project No. : 340640-04 Eligible Project Cost : $9,056,384
FY89 RANK : 114.0
County : CAMDEN Total State Amount : $9,056,384

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	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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	1
I/I Correction	1	0
	SUBTOTAL	1
	Population	.02780
	TOTAL POINTS	251.02780

Project Name, Number	Priority List Rank
Camden County MUA (Atlantic) C340640-04 STP, INT	114

County

Camden

Service Area

Township of Waterford, Chesilhurst Borough and Winslow Township

Existing Population

27,809

Need for Project

The existing wastewater facility owned and operated by the Waterford Township Municipal Utilities Authority (WTMUA) does not comply with their effluent nitrate concentration limit of 2 (two) mg/l. Final disposal of the effluent is currently through the use of spray irrigation fields.

The Borough of Chesilhurst and portions of Waterford and Winslow Township are presently utilizing individual on-site disposal systems, which may be contaminating the groundwater due to shallow groundwater and very permeable soils.

These areas have been designated as environmentally sensitive by the Pinelands Commission.

STP (level of treatment)	Flow (mgd) Design	Present	Effluent BOD Reported	SS Reported
Waterford Township STP (Secondary)	.75	.35	Land Application	
Winslow Township STP (Secondary)	.7	.32	Recharge Beds	

The Delaware River, to which the wastewater is proposed to be discharged, has industrial and potable water supply uses, and is a non-trout fishery.

Project Description

The proposed project involves the construction of a conveyance system. Wastewater collected in Chesilhurst Borough, Waterford Township and Winslow Township will be conveyed through a system of pump stations and interceptors to the Delaware No. 1 WPCF for treatment and disposal. The existing Waterford Township and Winslow Township sewage treatment plants will be abandoned upon diversion of sewage flows.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : RIDGEWOOD, VILLAGE OF

Project No. : 340639-03 Eligible Project Cost : $5,479,775
FY89 RANK : 115.0
County : BERGEN Total State Amount : $5,479,775

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	1
I/I Correction	1	0
	SUBTOTAL	1
	Population	.02486
	TOTAL POINTS	251.02486

Project Name, Number

Ridgewood, Village of
C340639-03
STP

Priority List Rank

115

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 HoHoKus Brook classified as FW2-NT, a non-trout fishable and industrial use stream. The project is needed to provided advanced wastewater treatment to comply with the NJPDES permit. Water quality marginally meets standards for dissolved oxygen and violates standards for fecal coliform and toxics.

STP (level of treatment)	Flow (mgd) Design	Present	Effluent BOD Reported % - mg/l	SS Reported % - mg/l
(AWT) Ridgewood Village (NJ0024791)	5.0	2.78	93.4 - 14.0	93.3 - 12.2

Project Description

The project will upgrade the plant by providing advanced wastewater treatment (Level III). The facilities plan is currently under review.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : EAST WINDSOR MUA

Project No. : 340536-03 Eligible Project Cost : $20,972,280
FY89 RANK : 116.0
County : MERCER Total State Amount : $20,972,280

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	50
Nutrients	0	25	50	50
Toxics	0	25	50	25
		SUBTOTAL		175

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	1
I/I Correction	1	0
	SUBTOTAL	1
	Population	.02262
	TOTAL POINTS	251.02262

Project Name, Number	Priority List Rank
East Windsor MUA C340536-03 STP Exp/Upgr, PS, FM, SL	116

County

Mercer

Service Area

East Windsor Township

Existing Population

22,628

Need for Project

The East Windsor MUA currently operates a secondary sewage treatment plant. This facility usually meets its present effluent limitations for secondary requirements. However, revised, more stringent effluent limitations, to include limitations for nutrients, will be required upon renewal of the NJPDES permit and the completion of water quality studies being conducted by the Division of Water Resources. In addition, future growth, as projected by the updated Township Master Plan for East Windsor, may necessitate increased plant capacity.

The discharge from this plant leads to a reduction in dissolved oxygen levels in the Millstone River, classified as FW2-NT, and Carnegie Lake, and contributes to elevated nutrient, ammonia-nitrogen and fecal coliform concentrations. This degradation impairs utilization of these water bodies for their intended designated uses, such as agricultural, nontrout maintenance and industrial applications.

STP (level of treatment)	Flow (mgd) Design	Present	Effluent BOD Reported % - mg/l	SS Reported % - mg/l
East Windsor MUA(secondary) (NJ0023787)	2.2	2.8	95.1 - 8.6	89.8 - 15.2

Project Description

The project will involve an expansion/upgrading of the EWMUA plant to a level of treatment greater than secondary. The design capacity should be 4.5 mgd according to the engineering estimates. The plant will also accommodate septage generated in the service area. Sludge will be composted at a facility to be constructed at the plant site.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : WOOD-RIDGE, BOROUGH OF

Project No. : 340692-03 Eligible Project Cost : $4,191,700
FY89 RANK : 117.0
County : BERGEN Total State Amount : $4,191,700

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	1
I/I Correction	1	0
	SUBTOTAL	1
	Population	.00796
	TOTAL POINTS	251.00796

Project Name, Number	Priority List Rank
Wood-Ridge, Borough of C340692-03 STP, Sludge	117

County

Bergen

Service Area

Borough of Wood-Ridge

Existing Population

7,961

Need for Project

The Borough's wastewater treatment plant was designed to provide secondary treatment. However, the plant frequently violates its NJPDESpermit requirements. The discharge to Berry's Creek (SE-2, a fishable non-trout stream with industrial use) has contributed to violations of water quality standards for fecal coliform and toxics. Berry's Creek marginally meets standards for dissolved oxygen levels. Therefore, it will be necessary to upgrade the treatment level or redirect the effluent to other regional treatment facilities. In addition, the Borough has been under orders to propose an acceptable sludge disposal plan.

STP (level of treatment)	Flow (mgd)		Effluent	
	Design	Present	BOD Reported % - mg/l	SS Reported % - mg/l
Wood-Ridge (secondary) (NJ0025186)	0.9	0.63	86.8 - 26.9	85.2 - 28.5

Project Description

The facilities plan has evaluated the alternatives for upgrading the existing STP to treatment level 3 versus abandonment of the plant and conveyance of sewage flows to the Bergen County Utilities Authority's regional treatment facilities in Little Ferry.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : EDGEWATER, BOROUGH OF

Project No. : 340443-04 Eligible Project Cost : $127,271
FY89 RANK : 118.0
County : BERGEN Total State Amount : $127,271

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.00469
	TOTAL POINTS	251.00469

Project Name, Number

Edgewater, Borough of
C340443-04
Combined Sewer Overflow Abatement

Priority List Rank

118

County

Bergen

Service Area

Borough of Edgewater

Existing Population

4,688

Need for Project

A combined sewer overflow (CSO) study was completed in July, 1981, as part of the Borough of Edgewater Facilities Plan. This study recommended cleaning and replacing equipment at CSO regulators and minor repairs to leaky tide gates. This area of the Hudson River is classified as an SE-2 watercourse and is currently used for nontrout fishing. During overflow events, the Water Quality Standards for dissolved oxygen and fecal coliforms are violated for the Hudson River. Significant concentrations of toxics are also present in the Hudson River.

Project Description

It is anticipated that upon completion of the benefits analysis of the Hudson River, the CSO study will recommend a combination of off-line storage and swirl concentrator facilities. Also, regulator rehabilitation will be accomplished as part of transport facilities improvements.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : SAYREVILLE, BOROUGH OF

Project No. : 340326-07 Eligible Project Cost : $4,217,710
FY89 RANK : 119.0
County : MIDDLESEX Total State Amount : $4,217,710

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	250
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	250
	Population	.00442
	TOTAL POINTS	250.00442

Project Name, Number

Borough of Sayreville
C340326-07
Infiltration/Inflow Correction -
Overflow

Priority List Rank

119

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 proposed Middlesex County Utilities Authority gravity sewer which would run parallel to the New York and Long Branch railroad.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : WYCKOFF, TOWNSHIP OF

Project No. : 340738-03 Eligible Project Cost : $11,898,229
FY89 RANK : 120.0
County : BERGEN Total State Amount : $11,898,229

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.00190
	TOTAL POINTS	250.00190

Project Name, Number

Priority List Rank

Wyckoff, Township of
C340738-03
Collection System, Int.

120

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 lineal 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 : PASSAIC VALLEY SC

Project No. : 340430-02 Eligible Project Cost : $91,762,031
FY89 RANK : 121.0
County : ESSEX Total State Amount : $91,762,031

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
Primary Discharge	500	0
I/I Correction--Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.46497
	TOTAL POINTS	226.46497

Project Name, Number | Priority List Rank

Passaic Valley Sewerage Commissioners (PVSC) C340430-02
Combined Sewer Overflow Abatement | 121

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 was (industrial water use and non-trout fishing) which result from CSO's.

NEW JERSEY STATE LIBRARY

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : HUDSON COUNTY UA (BAYONNE)

Project No.	: 340399-08	Eligible Project Cost	: $13,236,132
FY89 RANK	: 122.0		
County	: HUDSON	Total State Amount	: $13,236,132

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.06270
	TOTAL POINTS	226.06270

Project Name, Number

Priority List Rank

Hudson County Utilities Authority
C340399-08
Planning Area II - Combined Sewer Overflow Abatement

122

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 : WOODSTOWN SA

Project No. : 340628-03 Eligible Project Cost : $2,497,934
FY89 RANK : 123.0
County : SALEM Total State Amount : $2,497,934

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	50
Fecal Coliform	0	50	100	50
Nutrients	0	25	50	50
Toxics	0	25	50	25
			SUBTOTAL	175

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	1
I/I Correction	1	0
	SUBTOTAL	1
	Population	.00616
	TOTAL POINTS	226.00616

Project Name, Number	Priority List Rank
Woodstown Sewerage Authority C340628-03 STP	123

County

Salem

Service Area

Woodstown, Pilesgrove Township

Existing Population

6,164

Need for Project

The existing wastewater treatment plant provides for secondary level of treatment. The effluent is discharged to Salem Creek (FW2-NT/SE1), a tributary to Salem River. This is classified as fishable non-trout with agricultural use. The seven day, ten year low flow for the Salem Creek is 0.492 cubic feet per second, therefore, the assimilative capacity of the stream is water quality limited and higher than secondary level of treatment is needed to meet the water quality goals. At present, nutrient levels are unacceptable, with DO, fecal coliform and toxics marginally acceptable. The collection system in Woodstown is more than 60 years old consisting of clay pipes. The pipes are cracked and the joints are weak, which leads to infiltration. The storm water catch-basin and roof drain connections to the sanitary sewers contribute to heavy inflow during wet weather.

STP (level of treatment)	Flow (mgd)		Effluent	
	Design	Present	BOD5 Reported % - mg/l	SS Reported % - mg/l
Woodstown Sewerage Authority (Secondary)	0.3	0.28	93.5 - 15.6	94.7 - 15.9

Project Description

The selected plan is to upgrade and expand the plant by modifying the screens, installing a comminutor, grit removal facilities, an equalization tank, RBC units, modifying the disinfection facilities and anaerobic digestion.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : HIGHTSTOWN, BOROUGH OF

Project No. : 340915-01 Eligible Project Cost : $4,025,000
FY89 RANK : 124.0
County : MERCER Total State Amount : $4,025,000

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	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	100
Nutrients	0	25	50	50
Toxics	0	25	50	25
			SUBTOTAL	175

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	1
I/I Correction	1	0
	SUBTOTAL	1
	Population	.00454
	TOTAL POINTS	226.00454

Project Name, Number	Priority List Rank
Hightstown, Borough of C340915-01 STP Upgrade	124

County

Mercer

Service Area

Borugh of Hightstown

Existing Population

4,537

Need for Project

Upgrading of the existing treatment plant is required to maintain the water quality of the Millstone River. The river is currently used for agricultural purposes and as a non-trout fishery. The river does not meet standards for nutrients and fecal coliform, and only marginally meets standards for toxics. Completion of this project should improve the water quality of the Millstone River.

The Borough of Hightstown is curretnly operating under an Administrative Consent Order to upgrade their treatment facility. Increases in flow are also anticipated due to proposed development in the Borough.

STP (level of treatment)	Flow (mgd)		Effluent	
	Design	Present	BOD Reported % - mg/l	SS Reported % - mg/l
Highstown (secondary) (NJ0029475)	1.2	.53	88.7 - 19.5	92.0- 15.3

Project Description

The existing trickling filter plant is to be upgraded to Level 5 treatment. Modifications are to include the addition of nitification facilities, tertiary sand filtration, phosphorus removal, dechlorination, and postaeration facilities.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : DELAWARE TOWNSHIP MUA

Project No. : 340917-01 Eligible Project Cost : $1,385,650
FY89 RANK : 125.0
County : HUNTERDON Total State Amount : $1,385,650

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	1
I/I Correction	1	0
	SUBTOTAL	1
	Population	.00100
	TOTAL POINTS	226.00100

Project Name, Number	Priority List Rank
Delaware Township MUA C340917-01 STP	125

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 accpetable.

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 : NORTHWEST BERGEN CO UA

Project No. : 340700-03 Eligible Project Cost : $35,022,691
FY89 RANK : 126.0
County : BERGEN Total State Amount : $35,022,691

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	1
I/I Correction	1	0
	SUBTOTAL	1
	Population	.09171
	TOTAL POINTS	201.09171

Project Name, Number

Priority List Rank

Northwest Bergen County Utilities Authority - (NWBCUA)
C340700-03
STP

126

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

The effluent from the NWBCUA plant is discharged to the HoHokus Brook and the effluent limitations required by the Brook's FW2-NT classification are not being met by the existing facilities at the present time. Existing water quality does not meet standards for fecal coliform and toxics. The receiving water body classified for nontrout maintenance and industrial water use.

STP (level of treatment)	Flow (mgd)		Effluent	
	Design	Present	BOD Reported % - mg/l	SS Reported % - mg/l
NWBCUA (secondary) (NJ0024813)	8.5	6.81	92.70-11.8	94.74-12.0

Project Description

This project will consist of construction of the necessary facilities to achieve advanced secondary (Level 3) treatment as well as the expansion of the plant from 8.5 million gallons per day (MGD) to 11.2 MGD to accommodate the projected development within this service area.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : HOPEWELL TOWNSHIP MUA

Project No. : 340885-01 Eligible Project Cost : $1,085,000
FY89 RANK : 127.0
County : MERCER Total State Amount : $1,085,000

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	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	50
Fecal Coliform	0	50	100	50
Nutrients	0	25	50	50
Toxics	0	25	50	0
			SUBTOTAL	150

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	1
I/I Correction	1	0
	SUBTOTAL	1
	Population	.00040
	TOTAL POINTS	201.00040

Project Name, Number

Priority List Rank

Hopewell Township MUA
C340885-01
Interceptor, Pumping Station and Force Main

127

County

Mercer

Service Area

Princeton Farms

Existing Population

400

Need for Project

The existing Princeton Farms wastewater treatment plant was originally constructed in the early 1960's. With the exception of normal maintenance replacements, there has been no major construction activity at the treatment plant to either improve treatment efficiency or capacity. In 1976, the Hopewell Township MUA was forced by a developer through court action to assume responsibility for the operation of the plant. On May 1, 1979 a new discharge permit (No. NJ0022560) was issued. Included as treatment conditions were a seasonal ammonia nitrogen standard and dechlorination standard. Since the plant was never built for these conditions, these standards could not be met. There also have been periods when other treatment conditions (dissolved oxygen, fecal coliform and nutrients) have not been met.

These conditions impact the non-trout fishing and agricultural water use in the area

STP (level of treatment)	Flow (mgd) Design	Flow (mgd) Project	Effluent BOD Reported %	Effluent BOD Reported mg/l	Effluent Amt. Reported %	Effluent Amt. Reported mg/l
Princeton Farms (NJ0022560)	0.06	0.025	77.0	22.2	94.6	8.25

Project Description

The proposed project will consist of removing the existing package treatment plant, rehabilitating the existing collection system, and constructing an interceptor and pump station. Wastewater flows will be conveyed to the Stony Brook Regional Sewerage Authority's Hopewell facilities for treatment.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : NO BERGEN TWP

Project No. : 340652-01 Eligible Project Cost : $3,264,980
FY89 RANK : 128.0
County : HUDSON Total State Amount : $3,264,980

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.00874
	TOTAL POINTS	200.00874

Project Name, Number

North Bergen Township
C340652-01
Infiltration/Inflow Correction-
Overflow

Priority List Rank

128

County

Hudson

Service Area

Portions of the Township of North Bergen

Existing Population

8,748

Need for Project

The Township has proposed improvements to their existing sewer system to service several new areas. Also a new 1.4 million gallon per day (MGD) pump station is proposed approximately 200 feet north of the Woodcliff plant. This will replace an existing pump station that is causing overflows into the Hackensak River, a nontrout river with agricultural use. Fecal coliform levels are presently unacceptable.

Project Description

This project is for the construction of gravity pipe ranging in size from 8-inch to 18-inch diameter, a new 12-inch storm sewer and a 1.4 MGD pump station. The project report for this project is presently being completed.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : WATCHUNG, BOROUGH OF

Project No. : 340823-01 Eligible Project Cost : $837,991
FY89 RANK : 129.0
County : SOMERSET Total State Amount : $837,991

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.00038
	TOTAL POINTS	175.00038

Project Name, Number

Priority List Rank

Borough of Watchung
C340823-01
East End Collection and
Interceptor System

129

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 : PASSAIC VALLEY SC

Project No. : 340683-05 Eligible Project Cost : $125,698,300
FY89 RANK : 130.0
County : ESSEX Total State Amount : $125,698,300

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	100
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	100
	Population	1.31950
	TOTAL POINTS	101.31950

Project Name, Number	Priority List Rank
Passaic Valley Sewerage Commissioners C340683-05 Sludge Treatment and Disposal	130

County

Essex

Service Area

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

Existing Population

1,319,504

Need for Project

Present dumping of sludge by the 300 mgd PVSC treatment plant into New York Bight must cease, as mandated by Federal legislation (PL 95-153).

Project Description

Construction of sludge incinerators, with energy recovery facilities, will take the place of ocean dumping of sludge.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : MIDDLESEX COUNTY UA

Project No. : 340680-04 Eligible Project Cost : $189,364,844
FY89 RANK : 131.0
County : MIDDLESEX Total State Amount : $189,364,844

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	100
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	100
	Population	.72272
	TOTAL POINTS	100.72272

Project Name, Number | Priority List Rank

Middlesex County Utilities Authority (MCUA) C340680-04
Sludge Treatment and Disposal — 131

County

Middlesex, Union, Somerset

Service Area

31 municipalities and 10 industries in the above mentioned counties.

Existing Population

722,723

Need for Project

Present dumping of sludge by MCUA into New York Bight must cease, as mandated by Federal legislation (PL 95-153). Currently, there are 120 dry tons of sludge dumped every day.

Project Description

Sludge dewatering facilities will be built to accommodate any future landbased sludge disposal alternatives. The sites at which disposal will take place have yet to be determined.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : CAMDEN CO MUA

Project No. : 340708-05 Eligible Project Cost : $62,713,000
FY89 RANK : 132.0
County : CAMDEN Total State Amount : $62,713,000

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	100
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	100
	Population	.48867
	TOTAL POINTS	100.48867

Project Name, Number | Priority List Rank

Camden County Municipal Utilities Authority | 132
C340708-05
Sludge Management Plan

County

Camden

Service Area

The study area for this project includes all municipalities of Camden County.

Existing Population

488,672

Need for Project

Presently, Camden County MUA utilizes three short-term methods of sludge treatment and disposal for the sludge generated at the Delaware No. 1 Water Pollution Control Facilites (WPCF). These methods include composting at the City of Philadelphia Southwest Water Pollution Control Plant, incineration at the Atlantic County Utilities Authority Coastal Region Plant and hauling to out of state landfills. The available capacity of the present treatment and disposal methods will not be capable of accomodating future sludge generation rates anticipated for the Delaware No. 1 WPCF when the expansion to 80 MGD is complete.

Project Description

Planning studies have recommended the construction of a single in-vessel composting facility at the Delaware No. 1 WPCF to treat and dispose of sludge generated in both the Delaware and Atlantic Basin facilities.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : STONY BROOK REGIONAL S.A.

Project No. : 340887-01 Eligible Project Cost : $4,491,200
FY89 RANK : 133.0
County : MERCER Total State Amount : $4,491,200

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	100
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	100
	Population	.44679
	TOTAL POINTS	100.44679

Project Name, Number

Priority List Rank

Stony Brook R.S.A.
C340887-01
Sludge Treatment and Disposal

133

County

Mercer

Service Area

Princeton Borough, Princeton Township, Hopewell Township (60%), Hopewell Borough, Pennington Borough, West Windsor Township (69%), South Brunswick (part)

Existing Population

44,679

Need for Project

Disposal of sewage sludge in landfills has been banned throughout New Jersey, which has caused a sludge crisis for many communities. Long term alternative methods of disposal must be found; one such alternative is a regional sludge incineration facility. Stony Brook currently incinerates sludge from its own service area, plus some outside sources. In order to accept sludge from additional sources, the sludge receiving and storage facilities must be expanded.

Project Description

This project is to increase liquid sludge handling capabilities by converting the existing sludge storage tank to a gravity thickener, and to add one or more gravity thickeners. It also includes installation of covers and odor control systems on the new thickeners, and on the two existing thickeners that do not have them.

In addition, the Authority is considering building sludge cake receiving facilities which would utilize the Authority's second multiple hearth incinerator. An underground storage bin and special high solids content pumps would be required to implement this plan.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : BURLINGTON COUNTY BOARD OF FREEHOLD

Project No. : 340818-03 Eligible Project Cost : $17,112,705
FY89 RANK : 134.0
County : BURLINGTON Total State Amount : $17,112,705

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	100
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	100
	Population	.38246
	TOTAL POINTS	100.38246

Project Name, Number | Priority List Rank

Burlington County Board of Chosen Freeholders | 134
C340818-03
Regional Sludge/Septage Disposal Fac.

County

Burlington

Service Area

All municipalities within the Burlington County.

Existing Population

382,462

Need for Project

Forty-five municipal sewage treatment plants are currently operating in Burlington County within fifteen "201" wastewater facility planning areas. These facilities generated 10,431 dry tons of sewage sludge in 1980 and are expected to produce 12,801 dry tons by the year 2000. The "201's" are presently proceeding with residuals planning and management on a individual basis, but until this grant was awarded, no one was evaluating regionalized solutions. Additionally, approximately 7 million gallons of septage is generated in the County annually from individual septic systems. This quantity should remain approximately constant to the year 2000 and disposal of this material will be evaluated in the facilities planning.

Historically, the primary method of sewage sludge and septage disposal has been by sanitary landfilling. However, recent amendments to the Solid Waste Management Act prohibits the disposal of liquid septage in a landfill after March 15, 1982, unless the landfill is lined and has an acceptable leachate collection system. Furthermore, as of March 15, 1985, sludge was no longer allowed to be landfilled unless said landfill has the above controls. The County presently disposes of most of its sludge at Grows Landfill in Pennsylvania. This short-term solution is not reliable under the political climate in Pennsylvania. The remainder of the sludge is being applied at several permitted land disposal sites. The county's septage is being disposed of at the Mt. Holly STP and at out-of-state STPs.

Project Description

The primary objective of this project is to identify and evaluate various County-wide sludge/septage disposal options and compare the cost-effectiveness of that option(s) with the selected individual "201" area alternatives.

The preliminary report of the sludge and septage management plan indicates that the most cost-effective technology will be co-composting of sludge and refuse at the County Solid Waste Facilities Complex.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : BERGEN COUNTY UA

Project No. : 340687-05 Eligible Project Cost : $34,529,980
FY89 RANK : 135.0
County : BERGEN Total State Amount : $34,529,980

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	100
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	100
	Population	.37675
	TOTAL POINTS	100.37675

Project Name, Number | Priority List Rank

Bergen County Utilities Authority | 135
C340687-05
Sludge Treatment and Disposal

County

Bergen

Service Area

The service area consists of 50 municipalities in Bergen County

Existing Population

376,750

Need for Project

Present ocean dumping of sludge by the BCUA must cease, as mandated by Federal legislation (PL 95-153).

Project Description

The proposed project will offer a long-term solution to discontinue present ocean dumping practices. After the possible implementation of interim disposal measures, the long term facilities will be placed in operation. This proposal may utilize multiple hearth furnaces as a thermal reduction of the dewatered sludge.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : SOMERSET RARITAN VALLEY SA

Project No. : 340878-01 Eligible Project Cost : $17,022,857
FY89 RANK : 136.0
County : SOMERSET Total State Amount : $17,022,857

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	100
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	100
	Population	.36700
	TOTAL POINTS	100.36700

Project Name, Number | Priority List Rank

Somerset-Raritan Valley Sewerage Authority | 136
C340878-01
Sludge Receiving and Incinerator Rehabilitation

County

Somerset

Service Area

Present:

Bedminster Township, Bernardsville Borough, Manville Borough, Clinton Town, Frenchtown Borough, Peapack-Gladstone Borough, Long Branch Township, Mendham Borough, Bound Brook Borough, Phillipsburg Town.

Future:

Jersey City, Highlands Borough, Washington Borough, Freehold Borough, Lambertville City, Roxbury Township, Woodbridge Township, Ocean County Utilities Authority, Neptune Sewerage Authority, East Windsor Municipal Utilities Authority, Augustine Treatment Plant, V.A. Medical Center at Bedminster Township.

Existing Population

367,000

Need for Project

With the closing of many landfills in the State, municipalities have critical needs for facilities to dispose of sewerage sludge. SRVRSA has acquired the American Cyanamid Co. wastewater treatment plant, which includes two multiple hearth incinerators. It is the intent of the Authority to investigate, and if feasible, implement the placing of one of these two incinerators on line. This will assist in eliminating the State's critical sludge disposal problem.

Project Description

Addition of a 16 foot diameter fluidized bed sludge incinerator, capable of burning 3000 lbs (dry) of sludge per hour, rehabilitation of the existing 12 foot diameter fluidized bed sludge incinerator. Construction of additional sludge handling facilities, including sludge unloading platform, sludge pumping station, 400,000 gallon sludge storage tank, and ash ponds.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : JT MEETING-ESSEX & UNION

Project No. : 340686-03 Eligible Project Cost : $40,938,069
FY89 RANK : 137.0
County : UNION Total State Amount : $40,938,069

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	100
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	100
	Population	.33497
	TOTAL POINTS	100.33497

Project Name, Number | Priority List Rank

Joint Meeting of Essex and Union Counties C340686-03
Sludge treatment and disposal — 137

County

Union

Service Area

16 communities in Essex and Union Counties encompassing 65 square miles.

Existing Population

334,967

Need for Project

Present dumping of sludge by the Joint Meeting into New York Bight must cease, as mandated by Federal legislation (PL 95-153).

Project Description

JMEUC operates a 75 mgd secondary sewage treatment plant which produces 35 dry tons per day of anaerobically digested sludge which is being barged to New York Bight 12-mile site for disposal. A Step 1 grant was awarded in 1977 for a land-based sludge management study, which recommended that the use of a plate and frame filter press to dewater the sludge, followed by fluidized bed incineration, would be the most cost-effective alternative.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : HUDSON COUNTY UA

Project No.	: 340399-15	Eligible Project Cost	: $18,515,130
FY89 RANK	: 138.0		
County	: HUDSON	Total State Amount	: $18,515,130

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	100
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	100
	Population	.22135
	TOTAL POINTS	100.22135

Project Name, Number

Priority List Rank

Hudson County Utilities Authority
C340399-15
Sludge treatment and disposal

138

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 plant. 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 : HUDSON COUNTY UA (AREA I)

Project No.	: 340900-01	Eligible Project Cost	: $24,180,620
FY89 RANK	: 139.0		
County	: HUDSON	Total State Amount	: $24,180,620

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	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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.21858
	TOTAL POINTS	100.21858

Project Name, Number	Priority List Rank
Hudson County UA (City of Jersey City) C340900-01	139

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 : ATLANTIC COUNTY UA

Project No. : 340405-04 Eligible Project Cost : $4,721,945
FY89 RANK : 140.0
County : ATLANTIC Total State Amount : $4,721,945

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	100
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	100
	Population	.20631
	TOTAL POINTS	100.20631

Project Name, Number

Priority List Rank

Atlantic County Utilities Authority
C340405-04
Sludge/Septage Treatment and Disposal

140

County

Atlantic

Service Area

Absecon City, Atlantic City, Brigantine City, Buena Borough, Buena Vista Township, Corbin City, Egg Harbor City, Egg Harbor Township, Estelle Manor City, Folsom Borough, Galloway Township, Hamilton Township, Hammonton Town, Linwood City, Longport Borough, Margate City, Mullica Township, Northfield City, Pleasantville City, Port Republic City, Somers Point City, Ventnor City, Wymouth Township

Existing Population

206,318

Need for Project

Fifteen municipal and institutional sewage treatment plants are currently operating in Atlantic County within three "201" wastewater facilities planning areas. These facilities generate approximately 12,000 dry tons of sewage sludge annually and dispose of this sludge on an individual basis. The majority of the treatment plants dispose of their sludge using Pennsylvania landfills or incineration, both on a short term basis only. Additionally, approximately 5 million gallons of septage are generated in the County each year. The current methods of sludge disposal by the majority of the County's treatment plants cannot be considered a viable alternative on a long-term basis. Because of these circumstances, ACUA was awarded a grant to plan for the ultimate disposal of sludge on a long-term basis.

Project Description

ACUA is developing a sludge management plan to determine the most cost-effective county-wide ultimate sludge disposal alternative. The use of a transfer station(s) for septage generated in the western portion of the County is also being assessed. Alternatives for sludge disposal will emphasize land-based options as well as expansion of ACUA's incinerator.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : SUSSEX COUNTY MUA

Project No. : 340644-03 Eligible Project Cost : $1,570,200
FY89 RANK : 141.0
County : SUSSEX Total State Amount : $1,570,200

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	100
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	100
	Population	.12281
	TOTAL POINTS	100.12281

Project Name, Number

Priority List Rank

Sussex County MUA
C340644-03
Sludge, Septage, Treatment & Disposal

141

County

Sussex

Service Area

The service area consists of the entire population of all municipalities in Sussex County.

Existing Population

122,812

Need for Project

Nearly 85% of all Sussex County residences rely on on-site systems, most commonly the septic tank-soil absorption system, for the ultimate treatment and disposal of their wastewater. Proper operation and maintenance of these systems requires the periodic removal of accumulated scum and sludge (septage) from the septic tank. The SCMUA currently receives and treats septage and sludge on a marginally acceptable basis.

This project will be the last segment of a county-wide sludge composting project to provide a safe, legal disposal site for the entire amount of sewage sludge and septage generated in the county, and aid in the prevention of illegal dumping.

Project Description

This loan will fund the construction of sludge/septage receiving and treatment facilities. These facilities are proposed for construction at, and in conjunction with, the Upper Wallkill Regional Water Pollution Control Plant. The receiving facilities will accept and screen, degrit, and equalize all sludge form treatment plants other than the Upper Wallkill plant (138,000 gallons per day), as well as all Sussex County septage (60,000 gpd peak month), prior to thickening at the Upper Wallkill plant. Sludge thickener tanks will store all sewage sludge and the peak monthly volume of septage generated in Sussex County prior to dewatering (by belt filter presses).

The benefit to be derived from this project will provide for the proper treatment and disposal of all sludge and septage generated in Sussex County. The sludge resulting from this project will ultimately be treated at the existing county-wide sludge compost facilities on site at said Upper Wallkill plant located in Hardyston Township. This proposal meets the criteria for alternative technology projects.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : ROCKAWAY VALLEY REG SA

Project No. : 340821-03 Eligible Project Cost : $14,314,589
FY89 RANK : 142.0
County : MORRIS Total State Amount : $14,314,589

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	100
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	100
	Population	.12063
	TOTAL POINTS	100.12063

Project Name, Number | Priority List Rank

Rockaway Valley Regional Sewerage Authority C340821-03
Sludge Treatment/Disposal | 142

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 : NORTHEAST MONMOUTH COUNTY RSA

Project No.	: 340684-04	Eligible Project Cost	:	$8,264,113
FY89 RANK	: 143.0			
County	: MONMOUTH	Total State Amount	:	$8,264,113

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	100
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	100
	Population	.07416
	TOTAL POINTS	100.07416

Project Name, Number | Priority List Rank

Northeast Monmouth County Regional S.A. 143
C340684-04
Sludge Treatment and Disposal

County

Monmouth

Service Area

Eatontown, Fairhaven, Little Silver, Monmouth Beach, Ocean Port, Red Bank, Rumson, Sea Bright, Shrewsbury Borough, Shrewsbury Township, Tinton Falls (portion), West Long Branch, Fort Monmouth and Camp Charles Woods.

Existing Population

74,160

Need for Project

The facility presently disposes of sludge by an incinerator, however, this is on a short term basis only. The authority needs to identify a long term sludge disposal solution.

Project Description

The NEMRSA is in the process of selecting the ultimate sludge disposal. The two processes under consideration for the ultimate sludge disposal are sludge melting furnace or cogeneration facilities. At present, NEMRSA is landfilling sludge at the Ocean County landfill.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : WANAQUE VALLEY REG SA

Project No.	: 340390-05	Eligible Project Cost	:	$2,500,588
FY89 RANK	: 144.0			
County	: PASSAIC	Total State Amount	:	$2,500,588

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	100
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	100
	Population	.07030
	TOTAL POINTS	100.07030

Project Name, Number
Wanaque Valley Regional SA
C340390-05
Sludge/Septage Treatment and Disposal

Priority List Rank
144

County
Passaic and Morris

Service Area
The Regional Sludge Management Facility includes the service area of Wanaque Valley Regional Sewerage Authority (Wanaque, Ringwood and West Milford) and Pequannock River Basin Regional Sewerage Authority (Butler, Bloomingdale, Kinnelon, Riverdale and West Milford).

Existing Population
70,304

Need for Project
At present, the sludge produced by the local treatment plants in the Pequannock RBRSA is being transported off-site to the incinerator at Parsippany-Troy Hills STP. Sludge from the WVRSA area is being disposed of at the Two Bridges Wastewater Treatment Plant's incinerator. Both incinerator authorities charge disposal fees by the gallon (whether liquid or thickened), resulting in excessive sludge disposal costs. In addition, as long term disposal contracts have not been executed, continued receiving capacity at either incinerator is not assured and may be discontinued with minimal notice (which could result in an immediate disposal emergency for the sludge generators).

There are currently no facilities within WVRSA's service area licensed to accept and treat septage wastes. The Two Bridges Sewerage Authority Treatment Plant is currently identified as short term disposal site for septage generated in these areas. As with sludge, continued treatment capacity for the area's septage wastes is not assured at the Two Bridges' incinerator, and disposal costs are high.

The WVRSA and the PRBRSA are required by the regulations and requirements promulgated under PL 92-500 and by the USEPA to develop a 20 year sludge management plan that is the most cost-effective, environmentally sound and implementable solution to the disposal problem.

Project Description
The results of the alternative cost analysis for the operation of the WVRSA and PRBRSA service areas on a combined basis indicate that incineration of a dewatered or thickened sludge is the most cost effective and promising alternative at this time.

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 : PARSIPPANY-TROY HILLS TWP

Project No. : 340886-01 Eligible Project Cost : $1,198,100
FY89 RANK : 145.0
County : MORRIS Total State Amount : $1,198,100

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	100
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	100
	Population	.06310
	TOTAL POINTS	100.06310

Project Name, Number

Priority List Rank

Parsippany-Troy Hills Twp.
C340886-01
New Sludge Handling Facilities

145

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 : LINDEN-ROSELLE SA

Project No. : 340682-05 Eligible Project Cost : $16,446,195
FY89 RANK : 146.0
County : UNION Total State Amount : $16,446,195

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	100
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	100
	Population	.05819
	TOTAL POINTS	100.05819

Project Name, Number

Priority List Rank

Linden-Roselle Sewerage Authority
C340682-05
Sludge

146

County

Union

Service Area

City of Linden, Borough of Roselle

Existing Population

58,191

Need for Project

Present dumping of sludge by LRSA must cease in the near future, as mandated by Federal Law PL 95-153. A land based sludge management plan will determine the most cost effective, environmentally sound method of stabilizing the sludge and disposing of the residue.

Project Description

A belt filter press for sludge dewatering and either a fluidized bed incinerator or a refuse-fired thermal sludge reducer will be constructed.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : WESTERN MONMOUTH UA

Project No. : 340775-03 Eligible Project Cost : $1,834,406
FY89 RANK : 147.0
County : MONMOUTH Total State Amount : $1,834,406

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	100
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	100
	Population	.05356
	TOTAL POINTS	100.05356

Project Name, Number | Priority List Rank

Western Monmouth Utilities Authority | 147
C340775-03
Sludge Treatment and Disposal

County

Monmouth

Service Area

Englishtown, Marlboro, Manalapan, parts of Freehold Township

Existing Population

53,558

Need for Project

The Authority is presently contracting out to a sludge hauler operating a NJPDES permitted land application facility. However, continued disposal by the hauler on a long-term basis is not assured.

Project Description

Continuing the present method of sludge disposal has been found to be the most cost-effective short term solution. However,land application on dedicated land has been proposed as the most cost-effective, environmentally sound long-term solution and is to be implemented when the short term solution becomes unavailable or is no longer cost-effective.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : CAPE MAY COUNTY MUA

Project No. : 340661-06 Eligible Project Cost : $11,696,737
FY89 RANK : 148.0
County : CAPE MAY Total State Amount : $11,696,737

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	100
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	100
	Population	.05014
	TOTAL POINTS	100.05014

Project Name, Number | Priority List Rank

Cape May County Municipal Utilities Authority | 148
C340661-06
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 : WAYNE, TOWNSHIP OF

Project No. : 340365-06 Eligible Project Cost : $1,886,728
FY89 RANK : 149.0
County : PASSAIC Total State Amount : $1,886,728

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.04955
	TOTAL POINTS	100.04955

Project Name, Number

Township of Wayne
C340365-06
Int., Coll

Priority List Rank

149

County

Passaic

Service Area

This project will serve various areas throughout the Township.

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 interceptor and collector gravity sewers 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. This project is presently in the planning stage.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : N. BURLINGTON CO RSA (SOUTH)

Project No. : 340607-03 Eligible Project Cost : $12,178,875
FY89 RANK : 150.0
County : BURLINGTON Total State Amount : $12,178,875

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.03382
	TOTAL POINTS	100.03382

Project Name, Number

Priority List Rank

Northern Burlington Co. Reg. SA (South)
C340607-03
STP, INT, PS, FM, Collection

150

County

Burlington

Service Area

North Hanover, New Hanover, Plumsted Township, Wrightstown

Existing Population

33,822

Need for Project

1. A recent study performed for the service area has determined that overflowing and malfunctioning septic systems, poor soils and high density housing conditions exist in the outlying communities in the planning area.

2. A septic system survey found 81% of the residents in Plumsted Township and 61% of the residents in North Hanover and New Hanover Townships are affected by their or others malfunctioning on-site systems.

STP (level of treatment)	Flow (mgd) Design	Present	Effluent BOD5 Reported % - mg/l	SS Reported % - mg/l
Spartan Village Mobile Home (secondary)	0.030	0.034	N/A - 113	N/A - 61
California Village Mobile Home (secondary)	0.032	0.015	94.4 - 10.7	96.4 - 5.7
New Egypt School (secondary)	0.020	0.0025	96 - 6.8	97 - 4.3
Hanover Mobile Home (secondary)	0.020	0.008	83.3 - 32	85.6 - 23.5
Wrightstown (secondary) (NJ0022985)	0.200	0.20	94.7 - 12.8	96.6 - 6.2

NEW JERSEY STATE LIBRARY

Project Description

The proposed alternative is a Regional secondary 0.9 MGD treatment plant (specification will provide planning for addition of tertiary treatment) which will be located in New Egypt and discharged into Crosswicks Creek for areas where on-site systems were found to be unacceptable. STP's at Spartan Village, California Villa, Hanover Mobile Home and New Egypt School will be eliminated at the end of their useful life. The selected alternative provides for both conventional and small diameter gravity collector sewers. The ultimate sludge disposal will be incorporated into the on-going County wide sludge and septage management plan recommendations.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : LONG BRANCH SA

Project No. : 340820-03 Eligible Project Cost : $3,380,387
FY89 RANK : 151.0
County : MONMOUTH Total State Amount : $3,380,387

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	100
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	100
	Population	.03006
	TOTAL POINTS	100.03006

Project Name, Number

Priority List Rank

Long Branch Sewerage Authority
C340820-03
Sludge Treatment and Disposal

151

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 : $4,683,357
FY89 RANK : 152.0
County : BURLINGTON Total State Amount : $4,683,357

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	100
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	100
	Population	.02659
	TOTAL POINTS	100.02659

Project Name, Number

Priority List Rank

Mount Holly Sewerage Authority
C340819-02
Sludge Management/Treatment

152

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 : WINSLOW TWP

Project No. : 340895-02 Eligible Project Cost : $2,911,560
FY89 RANK : 153.0
County : CAMDEN Total State Amount : $2,911,560

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.02527
	TOTAL POINTS	100.02527

Project Name, Number

Priority List Rank

Winslow Township
C340895-02
Collection System, Int.

153

County

Camden

Service Area

Winslow Township

Existing Population

25,277

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 a gravity collection system and interceptors for conveyance of sewage to the Winslow wastewater facilities for treatment and disposal.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : WEST MILFORD TWP MUA

Project No. : 340701-03 Eligible Project Cost : $881,415
FY89 RANK : 154.0
County : PASSAIC Total State Amount : $881,415

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.02511
	TOTAL POINTS	100.02511

Project Name, Number

West Milford Township MUA
C340701-03
Coll. System, P.S., and Int.,
Infiltration/Inflow Correction

Priority List Rank

154

County

Passaic

Service Area

West Milford Township

Existing Population

25,106

Need for Project

Approximately 90% of the township is served by on-site septic systems. Many of these systems are malfunctioning, creating a public nuisance and potential public health problems.

Project Description

In addition to rehabilitating the existing sewers, the township has proposed to construct a sewer collection system to serve the entire township. A Sewer System Evaluation Survey will also be conducted. This survey will include flow metering, physical inspection of sewers and manholes, rainfall and groundwater investigations, repairing/replacing sewer pipes and manholes, and I/I analyses.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : GLOUCESTER CO UA (MONROE)

Project No. : 340526-03 Eligible Project Cost : $2,576,085
FY89 RANK : 155.0
County : GLOUCESTER Total State Amount : $2,576,085

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.02314
	TOTAL POINTS	100.02314

Project Name, Number | Priority List Rank

Gloucester County Utilities Authority (Monroe) | 155
C340526-03
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, TWP. OF

Project No. : 340897-01 Eligible Project Cost : $1,120,513
FY89 RANK : 156.0
County : MIDDLESEX Total State Amount : $1,120,513

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.02236
	TOTAL POINTS	100.02236

Project Name, Number

South Brunswick Township
C340897-01
Coll.

Priority List Rank

156

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 : ROXBURY TOWNSHIP (LAMINGTON)

Project No. : 340381-04 Eligible Project Cost : $9,266,098
FY89 RANK : 157.0
County : MORRIS Total State Amount : $9,266,098

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.01977
	TOTAL POINTS	100.01977

Project Name, Number | Priority List Rank

Township of Roxbury (Lamington) | 157
C340381-04
Expansion and Upgrade Collection System
Interceptor

County

Morris

Service Area

Roxbury Township (Lamington Basin)

Existing Population

19,767

Need for Project

Collection sewers are needed for a densely populated area where septic systems are malfunctioning and pose a health hazard to local residents, and also adversely impact surface waters. The presence of a high groundwater table, and possible contamination thereof, also indicates the need for this project.

Project Description

The collection sewer system is being upgraded and expanded to maintain the designated use and accomodate the year 2000 population growth.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : ROCKAWAY TOWNSHIP

Project No. : 340478-05 Eligible Project Cost : $14,896,979
FY89 RANK : 158.0
County : MORRIS Total State Amount : $14,896,979

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.01956
	TOTAL POINTS	100.01956

Project Name, Number

Priority List Rank

Rockaway Township
C340478-05
Collection System, Int., On-site

158

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 potential health hazard caused by malfunctioning septic systems.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : LOWER TOWNSHIP MUA

Project No. : 340810-03 Eligible Project Cost : $2,595,361
FY89 RANK : 159.0
County : CAPE MAY Total State Amount : $2,595,361

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.01953
	TOTAL POINTS	100.01953

Project Name, Number

Lower Township MUA
C340810-03
CS, PS, Int.

Priority List Rank

159

County

Cape May

Service Area

Lower Township

Existing Population

19,533

Need for Project

Studies performed by the Cape May County Health Department have identified two communities served by private homeowner wells that are experiencing high concentrations of nitrates. The residences have shallow private wells and septic systems on areas subject to high groundwater. The short circuiting effect of the groundwater has been identified as a contributory cause of high nitrate concentrations. This condition creates a public nuisance. The residents have been directed not to drink the water.

Project Description

The proposed solution is to construct a local collection system to serve the two (2) areas, and an associated interceptor and pump station.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : VOORHEES TOWNSHIP

Project No. : 340875-01 Eligible Project Cost : $1,175,900
FY89 RANK : 160.0
County : CAMDEN Total State Amount : $1,175,900

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.01945
	TOTAL POINTS	100.01945

Project Name, Number

Priority List Rank

Voorhees Township
C340875-01
Sanitary Sewer System

160

County

Camden

Service Area

Unsewered areas of Voorhees Township

Existing Population

19,450

Need for Project

The on-site systems located along Route 73 in the Voorhees Township are presently experiencing a high malfunction rate, causing a public nuisance. There is potential problem of groundwater pollution due to failure of on-site systems.

Project Description

The project consists of construction of pumping station, force main and 30,000 feet of collection system.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : RANDOLPH TWP MUA

Project No. : 340632-03 Eligible Project Cost : $6,397,594
FY89 RANK : 161.0
County : MORRIS Total State Amount : $6,397,594

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.01891
	TOTAL POINTS	100.01891

Project Name, Number

Randolph Township MUA
C340632-03
Collection System, Int.

Priority List Rank

161

County

Morris

Service Area

Randolph Township

Existing Population

18,912

Need for Project

Certain areas within the Mount Fern Area of Randolph Township have malfunctioning septic systems which create potential health hazard situations and a public nuisance. A large number of septic system failures are the result of extensive development in the area which caused densities to rise to a level making on-site disposal inadequate. Portions of the Mount Fern Area drain into the Jackson and Wallace Brooks. The Wallace Brook is a tributary of the Jackson Brook (classified as trout production waters), which is a tributary of the Rockaway River (a public water supply). The interceptors in the Wallace Brook area fill during heavy rainfall causing surcharging from the manholes. The cause of the surcharging are openings in the joints of the vitrified clay interceptors, and possibly cracks.

Project Description

Construction of a sanitary sewer collection system in the Mount Fern Area containing 60,000 linear feet of 8-inch diameter sewers. Construction of a sewage pumping station with force main. Reconstruction of the Wallace Brook Interceptor system containing 1,900 linear feet of interceptor sewers. Existing 8-inch diameter interceptors will be replaced with 12-inch diameter interceptors.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : ASBURY PARK, CITY OF

Project No. : 340883-01 Eligible Project Cost : $659,324
FY89 RANK : 162.0
County : MONMOUTH Total State Amount : $659,324

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	100
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	100
	Population	.01625
	TOTAL POINTS	100.01625

Project Name, Number

Asbury Park City
C340883-01
Sludge Management Plan

Priority List Rank

162

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 will be generated when the secondary treatment facilities currently under construction are completed.

Project Description

This project consists of land application of sludge.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : BURLINGTON COUNTY BOARD OF FREEHOLDERS

Project No. : 340811-03 Eligible Project Cost : $3,896,945
FY89 RANK : 163.0
County : BURLINGTON Total State Amount : $3,896,945

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.01616
	TOTAL POINTS	100.01616

Project Name, Number | Priority List Rank

Burlington County Board of Freeholders(South) | 163
C340811-03
Alternative Wastewater Systems

County

Burlington

Service Area

Bass River Township (outside of the Off Shore Manor Development), Shamong Township (outside of the Fawn Lake and Barton's Lake Development), Tabernackle Township, Washington Township, Woodland Township

Existing Population

16,163

Need for Project

Within the study area, there exist numerous documented examples of surface and groundwater contamination attributable to the failure of individual on-site systems. Potable water has been periodically trucked into various residences due to excessive nitrates found in local water supplies. Additionally, malfunctioning septic systems have been shown to contribute excess nutrients and bacteria to the study area's surface waters. A case in point is where segments of tributaries to the Mullica River have been closed to shellfish harvesting during the summer months as a result of high bacteriological levels. It is speculated that local malfunctioning subsurface disposal systems are a major contributor to this contamination. In addition, eutrophication and/or the presence of pathogenic organisms may limit the recreational, economic and intrinsic value of the study area's streams and lakes.

Project Description

The plan recommends construction of small cluster systems and rehabilitation of on-site systems in the project area.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : MANCHESTER TWP MUA

Project No. : 340650-03 Eligible Project Cost : $7,014,039
FY89 RANK : 164.0
County : OCEAN Total State Amount : $7,014,039

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.01540
	TOTAL POINTS	100.01540

Project Name, Number | Priority List Rank

Manchester Township M.U.A. | 164
C340650-03
Collection System, Alt. Sys., PS, FM, Int.

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 generally high groundwater table and the reported 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 to alleviate the existing pollution in the area.

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 via an interceptor into Ocean County Utilities Authority's treatment facility for treatment and disposal.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : MONTVILLE TWP MUA

Project No. : 340467-04 | Eligible Project Cost : $9,600,000
FY89 RANK : 165.0
County : MORRIS | Total State Amount : $9,600,000

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	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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.01534
	TOTAL POINTS	100.01534

Project Name, Number

Priority List Rank

Montville Township Municipal U.A.
C340467-04
Collection System

165

County

Morris

Service Area

Montville Township

Existing Population

15,339

Need for Project

An expansion of the collection system is needed to replace inadequate wastewater disposal facilities in the areas of the Norrland STP, Brook Valley STP and Forest Park STP. Existing on-site systems have an overall malfunction rate of 32% and there are severe soil limitations in 74% of the planning area. Many of the wells in the service area are polluted and levels of coliform, nitrates, and chlorides do not meet state standards.

Project Description

This project will involve construction of lateral sewers to relieve septic systems. This project, along with C340467-04 (P.S., F.M., Int. and collection system), provides an intergrated collection system for the remaining areas of the township. Wastewater flows will be conveyed to the Parsippany Troy-Hills Treatment Plant.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : BERNARDS TWP SA

Project No. : 340382-02 Eligible Project Cost : $4,211,312
FY89 RANK : 166.0
County : SOMERSET Total State Amount : $4,211,312

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.01530
	TOTAL POINTS	100.01530

Project Name, Number

Bernards Twp. S.A.
C340382-02
Collection System, Int, P.S., F.M.

Priority List Rank

166

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 new sewerage system facilities including interceptors, pump stations, force mains, and collection systems, or other alternatives for wastewater disposal problems in the areas of West Millington, Brookside, Fieldstone, and Riverside. The wastewater will be conveyed to the 1.2 MGD capacity treatment plant (under construction). The facilities planning work needs to be completed for the collection system project.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : GLASSBORO, BOROUGH OF

Project No. : 340545-03 Eligible Project Cost : $3,297,380
FY89 RANK : 167.0
County : GLOUCESTER Total State Amount : $3,297,380

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.01439
	TOTAL POINTS	100.01439

Project Name, Number

Glassboro, Borough of
C340545-03

Priority List Rank

167

County

Gloucester

Service Area

Borough of Glassboro

Existing Population

14,391

Need for Project

The on-site systems that exist in the southern part of the Borough of Glassboro have an extremely high failure rate. The failing septic systems and overflowing cesspools are a health hazard and represent a significant source of pollution to the streams and aquifers in the area. Many of the homes in this area derive their water supplies from shallow wells and pollution by this raw sewage renders the shallow groundwaters unusable. If not corrected, these facilities may pose serious health hazards for the Borough.

Project Description

This project includes the design and construction of a local wastewater system including new collection sewers, new interceptors and appurtenances for a portion of the Borough of Glassboro. The collection system will be connected via an interceptor into the Gloucester County Utilities Authority Regional system for treatment and disposal.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : RINGWOOD BOROUGH S.A.

Project No. : 340905-01 Eligible Project Cost : $12,136,900
FY89 RANK : 168.0
County : PASSAIC Total State Amount : $12,136,900

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.01328
	TOTAL POINTS	100.01328

Project Name, Number

Priority List Rank

Ringwood Borough Sewerage Authority
C340905-01
Small Alternative Wastewater System

168

County

Passaic

Service Area

Ringwood Borough

Existing Population

13,283

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. The proposed project will also correct I/I in the existing sanitary sewer system. The correction procedures would include internal grouting.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : TOTOWA-WEST PATERSON SA (W. PATERSON)

Project No.	: 340778-03	Eligible Project Cost	: $1,953,000
FY89 RANK	: 169.0		
County	: PASSAIC	Total State Amount	: $1,953,000

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	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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.01142
	TOTAL POINTS	100.01142

Project Name, Number | Priority List Rank

Totowa-West Paterson SA (West Paterson) 169
C340778-03
Collection System

County

Passaic

Service Area

Borough of West Paterson

Existing Population

11,417

Need for Project

A residential area 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 is to construct a collection system to serve an existing residential area. 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 : VERNON TWP

Project No. : 340745-02 Eligible Project Cost : $6,025,025
FY89 RANK : 170.0
County : SUSSEX Total State Amount : $6,025,025

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.01108
	TOTAL POINTS	100.01108

Project Name, Number

Priority List Rank

Vernon Township
C340745-02
Alternative Wastewater Systems

170

County

Sussex

Service Area

The service area consists of the portion (62%) of Vernon Township which lies in the Pochuck Basin.

Existing Population

11,784

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 : HOLMDEL TOWNSHIP

Project No. : 340919--01 Eligible Project Cost : $2,407,057
FY89 RANK : 171.0
County : MONMOUTH Total State Amount : $2,407,057

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.01068
	TOTAL POINTS	100.01068

Project Name, Number

Holmdel Township
C340919-01
Collection System

Priority List Rank

171

County

Monmouth

Service Area

Estates of Holmdel and Hills of Holmdel portions of Holmdel Township.

Existing Population

10,677

Need for Project

The Estates of Holmdel and Hills of Holmdel are currently relying on on-site septic disposal systems.

These 150 septic systems have been failing in recent years. Many residents have noted public nuisances and a potential health hazard as a result of these problems.

Project Description

Preliminary investigations indicate that a pressure sewer system would be most cost-effective to replace the existing on-site systems. The pressure system would discharge into an existing interceptor on Holland Road. The wastewater would ultimately be treated and disposed of at the Bayshore Regional Sewerage Authority Facility.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : WANAQUE BOROUGH

Project No. : 340434-02 Eligible Project Cost : $226,137
FY89 RANK : 172.0
County : PASSAIC Total State Amount : $226,137

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.01058
	TOTAL POINTS	100.01058

Project Name, Number

Wanaque Borough
C340434-02
Coll. System, Int.

Priority List Rank

172

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 l.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 : GLOUCESTER COUNTY UA (FRANKLIN TWP)

Project No. : 340461-04 Eligible Project Cost : $6,299,900
FY89 RANK : 173.0
County : GLOUCESTER Total State Amount : $6,299,900

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.01055
	TOTAL POINTS	100.01055

Project Name, Number | Priority List Rank

Gloucester County Utilities Authority (Franklin Township)
C340461-04
INT, PS, FM, Collection System | 173

County

Gloucester

Service Area

Franklin Township

Existing Population

10,550

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 : MAHWAH TOWNSHIP

Project No. : 340592-03 Eligible Project Cost : $6,108,886
FY89 RANK : 174.0
County : BERGEN Total State Amount : $6,108,886

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.01048
	TOTAL POINTS	100.01048

Project Name, Number

Priority List Rank

Mahwah Township
C340592-03
Collection System, Interceptor

174

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 : DENVILLE TOWNSHIP

Project No. : 340466-04 Eligible Project Cost : $13,464,585
FY89 RANK : 175.0
County : MORRIS Total State Amount : $13,464,585

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	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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.01011
	TOTAL POINTS	100.01011

Project Name, Number

Township of Denville
C340466-04
Collection, FM, P.S.

Priority List Rank

175

County

Morris

Service Area

a segment of Denville Township

Existing Population

10,114

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

The proposed project is for the second and final segment of collector sewers for the Township. The first segment (C340466-03) and this project make up the entire service area for the Township. The construction proposed in this segment was separated from the first segment due to environmental concerns. The proposed construction will consist of approximately 50,000 L.F. of gravity sewer and a pump station, and force main.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : GLOUCESTER CO UA (MANTUA)

Project No. : 340526-12 Eligible Project Cost : $1,360,573
FY89 RANK : 176.0
County : GLOUCESTER Total State Amount : $1,360,573

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.00995
	TOTAL POINTS	100.00995

Project Name, Number | Priority List Rank

Gloucester County Utilities Authority (Mantua) | 176
C340526-12
PS, FM, Collection System

County

Gloucester

Service Area

Mantua Township

Existing Population

9,951

Need for Project

The existing individual sewage disposal systems of the Mantua Township areas are causing public nuisance due to their malfunctioning. Many of the homes in the older section of Mantua are located on small lots. During 1981, a sanitary survey was conducted in the Mantua area by the County Health Department to determine the extent of problems which exist with the on-site systems. The results of this survey and the complaint records of the County Health Department indicates that there exists a definite problem with the on-site systems of the Mantua Township area. As a result, construction of a collection system and conveyance of the sewage to the GCUA Regional Plant will improve the water quality of the area.

Project Description

The project consists of construction of sewage collection systems, pump stations, and force mains in order to collect the sewage from the Mantua area for treatment and disposal at the GCUA Regional Wastewater Treatment Plant.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : CHATHAM TOWNSHIP

Project No. : 340403-04 Eligible Project Cost : $3,771,638
FY89 RANK : 177.0
County : MORRIS Total State Amount : $3,771,638

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	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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.00906
	TOTAL POINTS	100.00906

Project Name, Number

Chatham Township
C340403-04
Interceptors & Collection System

Priority List Rank

177

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 : OCEAN COUNTY UA

Project No. : 340372-10 Eligible Project Cost : $1,406,350
FY89 RANK : 178.0
County : OCEAN Total State Amount : $1,406,350

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.00900
	TOTAL POINTS	100.00900

Project Name, Number

Priority List Rank

Ocean County Utilities Authority
C340372-10
Interceptor

178

County

Ocean

Service Area

Northwest portion of Manchester Township

Existing Population

9,000

Need for Project

The existing residents are being serviced by on-site systems for wastewater disposal. This may be polluting the surface and ground water, and is causing a public nuisance. This area is tributary to the Ridgeway Branch.

Project Description

Facilities planning is being undertaken, which proposes that an interceptor (known as Ridgeway Interceptor) be constructed to convey the area's wastewater to the OCUA's Central STP for treatment and disposal. This interceptor is planned to be 24" in diameter and 1,200 feet in length.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : BLOOMINGDALE BOROUGH

Project No. : 340634-03 Eligible Project Cost : $3,032,705
FY89 RANK : 179.0
County : PASSAIC Total State Amount : $3,032,705

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.00806
	TOTAL POINTS	100.00806

Project Name, Number

Priority List Rank

Bloomingdale Boro
C340634-03
Collection System, Int., P.S., F.M.

179

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 : WANTAGE TWP

Project No. :	340760-03	Eligible Project Cost :	$476,042
FY89 RANK :	180.0		
County :	SUSSEX	Total State Amount :	$476,042

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.00800
	TOTAL POINTS	100.00800

Project Name, Number

Priority List Rank

Wantage Township
C340760-03
Alternative Wastewater Systems

180

County

Sussex

Service Area

Wantage Township

Existing Population

8,009

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 : STAFFORD MUA

Project No. : 340879-01 Eligible Project Cost : $1,859,660
FY89 RANK : 181.0
County : OCEAN Total State Amount : $1,859,660

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	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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.00797
	TOTAL POINTS	100.00797

Project Name, Number | Priority List Rank

Stafford Municipal Utilities Authority C340879-01
Modifications and replacement for
Vacuum Wastewater Collection System — 181

County

Ocean

Service Area

Bayside and Bonnet Island area of Stafford Township.

Existing Population

7,970

Need for Project

The Stafford Municipal Utilities Authority Vacuum Collection System was funded under USEPA Construction grants. It was constructed during 1979-1982 with a majority of the valves on-line by July 1983. The area of vacuum collection system is on the Manahawkin Bay in Ocean County, and has ground surface elevation close to sea level. This area has historically experienced flooding and high groundwater. The SMUA has experienced problems with vacuum valves. Envirovac, manufacturer of vacuum valves for SMUA, documented that these valves cannot operate submerged in water, and the "watertight" housings have consistently failed to be watertight. In order to minimize the potential environmental danger existing with the system, the SMUA is planning to replace Envirovac valves with new vacuum valves that are capable of operating submerged in water. The Authority has received approval from regulatory agencies pending final determination of negligence, with respect to modification/replacement monies for failed I/A Technology facilities which provides 100% reimbursement.

Project Description

The SMUA will continue to collect wastewater using a vacuum collection system. The wastewater will continue to be discharged to the Ocean County Utilities Authority force main. This project involves: replacing each of the existing valves, pits and appurtenances; replacing the vacuum pumps in each collection station; installing additional instrumentation and monitoring equipment at each collection system.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : OCEAN COUNTY UA

Project No. : 340372-16 Eligible Project Cost : $10,569,444
FY89 RANK : 182.0
County : OCEAN Total State Amount : $10,569,444

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.00787
	TOTAL POINTS	100.00787

Project Name, Number	Priority List Rank
Ocean County Utilities Authority C340372-16 Interceptor	182

County

Ocean

Service Area

Central and Western portions of Jackson Township

Existing Population

7,876

Need for Project

The area is being serviced by septic systems which have experienced malfunctions and may be polluting the surface and ground waters. This area is tributary to the Toms River.

Project Description

To relieve the public nuisance of septic tank overflows, an interceptor (known as North Branch of Toms River Interceptor) can be built to convey the sewage to OCUA's Central STP for treatment. This interceptor will be approximately 15 miles in length.

NEW JERSEY STATE LIBRARY

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : BRANCHBURG, TOWNSHIP OF

Project No. : 340852-02 Eligible Project Cost : $564,839
FY89 RANK : 183.0
County : SOMERSET Total State Amount : $564,839

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.00785
	TOTAL POINTS	100.00785

Project Name, Number

Branchburg Township
Collection System
C340852-02

Priority List Rank

183

County

Somerset

Service Area

Cedar Grove Road, Frewert Lane, Jeffrey Court, Nassau Court, Preston Drive

Existing Population

7,846

Need for Project

Forty-one homes in Cedar Grove Road, Frewert Lane, Jeffrey Court, Nassau Court and Preston Drive area are plagued with failing septic systems.

Project Description

The project involves the construction of approximately 4,025 L.F. of 8-inch sewer line to service forty-one homes with failing septic systems. The project is completely designed and is awaiting NJDEP approval of an application for exemption from a sewer ban.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : UPPER SADDLE RIVER, BOROUGH OF

Project No. : 340909-01 Eligible Project Cost : $1,200,979
FY89 RANK : 184.0
County : BERGEN Total State Amount : $1,200,979

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.00784
	TOTAL POINTS	100.00784

Project Name, Number	Priority List Rank
Upper Saddle River, Borough of C340909-01	184

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 : BYRAM TOWNSHIP

Project No. : 340569-02 Eligible Project Cost : $676,877
FY89 RANK : 185.0
County : SUSSEX Total State Amount : $676,877

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.00781
	TOTAL POINTS	100.00781

Project Name, Number

Priority List Rank

Byram Township
C340569-02
Alternative Wastewater Systems

185

County

Sussex

Service Area

The study area for this project consists of the portion of Byram that falls within the Upper Musconetcong Drainage Basin (93%), Upper Wallkill Basin (3%) and Pequest Basin (4%).

Existing Population

7,814

Need for Project

Both the Upper Wallkill and Musconetcong portions of Byram Township were included under their respective Step I Facilities Planning studies.

In the Upper Wallkill Basin the high density development in poor quality soils surrounding Lake Mohawk, a seasonally high groundwater table, and reported septic system failures, have produced the need to evaluate and eliminate these septic impacts. Therefore, a 201 study was initiated in Byram Township.

In addition, the portion of Byram which falls in the Upper Musconetcong Drainage Basin was originally studied under the Regional 201 facilities plan for the Musconetcong Sewerage Authority. This portion along with the rest of Byram will have to be reconsidered in the future to determine the specific needs and establish a solution to the public nuisance of failing septic systems in the Township.

Project Description

A 201 Facilities Plan has been prepared for Lake Mohawk - Wallkill Drainage Basin. As described above, the need to eliminate the septic leachate entering Lake Mohawk is the principle concern of this study. Pursuant to the Plan of Study developed for this project, alternatives for collection were evaluated. Collection with regional treatment by the Upper Wallkill wastewater treatment plant, as originally envisioned, does not appear to be a viable alternative at this time. However, all septage generated within the Township will be conveyed for treatment at the Upper Wallkill facilities. On-site rehabilitation, to alleviate public nuisance, may be warranted for portions of Byram Township.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : PASSAIC TWP

Project No. : 340404-05 Eligible Project Cost : $11,448,672
FY89 RANK : 186.0
County : MORRIS Total State Amount : $11,448,672

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.00766
	TOTAL POINTS	100.00766

Project Name, Number

Priority List Rank

Passaic Township
C340404-05
Collection System, Interceptor

186

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 : N. BURLINGTON CO RSA (NORTH)

Project No. : 340607-04 Eligible Project Cost : $6,013,482
FY89 RANK : 187.0
County : BURLINGTON Total State Amount : $6,013,482

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	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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.00740
	TOTAL POINTS	100.00740

Project Name, Number

Priority List Rank

Northern Burlington County Regional Sewerage Authority - North
C340607-04
Alternative Wastewater System

187

County

Burlington

Service Area

Mansfield Township, Chesterfield Township

Existing Population

7,397

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 outlying communities in the planning area.

A septic system survey found 60% of the residents of Chesterfield, Village of Crosswicks, and 57% of the residents of Mansfield, Village of Columbus, are experiencing problems with their or other malfunctioning on-site systems, which is causing septic tank overflows.

Project Description

The proposed alternative from the 201 facilities plan for areas where individual systems were found unacceptable in the Township of Chesterfield and Mansfield is a small diameter sewer system with grinder pumps and subsequent treatment and disposal at the proposed Northern Regional Treatment Plant.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : MT OLIVE/WASH TWP MUA

Project No. : 340537-03 Eligible Project Cost : $30,074,153
FY89 RANK : 188.0
County : MORRIS Total State Amount : $30,074,153

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.00663
	TOTAL POINTS	100.00663

Project Name, Number | Priority List Rank

Mt. Olive Township/Washington Twp. MUA — 188
C340537-03
STP, INT, COLL. SEWER, FM

County

Morris

Service Area

Approximately 4,000 acres around Budd Lake

Existing Population

6,630

Need for Project

The Budd Lake area contains approximately 2,200 homes with density of 2.2 dwelling units per acre and is being served exclusively by individual septic systems which have been experiencing severe failing incidents and causing a public nuisance. This may be polluting Budd Lake, which is the head water of the South Branch Raritan River, affected portions of which are classified as trout waters. A secondary level treatment of sewage is at least required. The on-going facilities plan will also address the most cost-effective sludge disposal alternative.

Project Description

A sewage collection system is needed to alleviate groundwater and surface water contamination and to eliminate public nuisance problems caused by failing septic systems due to unsuitable soil conditions and densely congregated dwelling units. A sewage treatment plant and interceptor will also have to be built to accommodate this waste flow.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : CARLSTADT SA

Project No. : 340705-03 Eligible Project Cost : $4,289,917
FY89 RANK : 189.0
County : BERGEN Total State Amount : $4,289,917

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	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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.00612
	TOTAL POINTS	100.00612

Project Name, Number

Priority List Rank

Carlstadt Sewerage Authority
C340705-03
Int/Coll

189

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 : MAHWAH, TOWNSHIP OF

Project No. : 340737-01 Eligible Project Cost : $192,619
FY89 RANK : 190.0
County : BERGEN Total State Amount : $192,619

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.00600
	TOTAL POINTS	100.00600

Project Name, Number

Priority List Rank

Mahwah, Township of
C340737-01
Alternative Wastewater System

190

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 : $2,555,610
FY89 RANK : 191.0
County : SUSSEX Total State Amount : $2,555,610

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	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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.00596
	TOTAL POINTS	100.00596

Project Name, Number | Priority List Rank

Sussex County MUA - Paulinskill (Phase II) 191
Branchville/Frankford Area
C340759-02
STP, PS, FM, Int.

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 : $500,568
FY89 RANK : 192.0
County : MORRIS Total State Amount : $500,568

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.00557
	TOTAL POINTS	100.00557

Project Name, Number

Wharton Borough
C340489-03
Collection System, Int.

Priority List Rank

192

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 : $10,582,000
FY89 RANK : 193.0
County : CAMDEN Total State Amount : $10,582,000

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	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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.00554
	TOTAL POINTS	100.00554

Project Name, Number

Priority List Rank

Berlin Township
C340790-02
Sewage Collection and Interceptor System

193

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 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 to service a portion of the Township of Berlin. The Berlin Borough plant (the activated sludge treatment process) would also have to be upgraded and expanded from its present .6 mgd capacity to 1.1 mgd. Conveyance of these flows to the CCMUA District #1 plant is also being evaluated.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : FRANKFORD TWP

Project No. : 340742-02 Eligible Project Cost : $2,006,553
FY89 RANK : 194.0
County : SUSSEX Total State Amount : $2,006,553

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.00510
	TOTAL POINTS	100.00510

Project Name, Number

Priority List Rank

Frankford Township
C340742-02
Collection System, Int.

194

County

Sussex

Service Area

Frankford Township

Existing Population

5,101

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 OF

Project No. : 340857-01 Eligible Project Cost : $1,643,089
FY89 RANK : 195.0
County : MONMOUTH Total State Amount : $1,643,089

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.00498
	TOTAL POINTS	100.00498

Project Name, Number

Priority List Rank

Atlantic Highlands Borough
C340857-01
Collection System

195

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 : DENVILLE TOWNSHIP

Project No. : 340466-03 Eligible Project Cost : $14,380,470
FY89 RANK : 196.0
County : MORRIS Total State Amount : $14,380,470

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.00450
	TOTAL POINTS	100.00450

Project Name, Number

Township of Denville
C340466-03
Collection, PS, FM.

Priority List Rank

196

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 : HOPEWELL TOWNSHIP MUA

Project No. : 340648-03 Eligible Project Cost : $5,813,726
FY89 RANK : 197.0
County : MERCER Total State Amount : $5,813,726

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.00435
	TOTAL POINTS	100.00435

Project Name, Number

Priority List Rank

Hopewell Township MUA
C340648-03
Alternative Wastewater System

197

County

Mercer

Service Area

Hopewell Township

Existing Population

4,357

Need for Project

At present, sewage is disposed predominately by means of conventional subsurface units on individual properties. Failure of these systems in some areas have created potential health hazards and have been a public nuisance through surface breakout and by polluting the groundwater. There is only one sewer connection in the study area: Pitman-Moore Associates on the north side of Jacobs Creek has a sewer (publicly owned) which crosses the creek into the Ewing Township Collection System. By contract between the two Authorities, no other connections are allowed to the sewer line.

Project Description

The Hopewell Township MUA facilities plan has recommended the implementation of a Small Community System serving a limited service area (Small Service Area) containing neighborhoods with the most severe onsite system problems. Five small community systems will be built consisting of a pressure sewer system (small diameter pressure sewers with pumps located on each property) with pretreatment and land disposal at sites located near the neighborhoods served. The remainder of the study area will continue to use onsite sewage disposal systems with any necessary corrections or replacements made by individual homeowners under the supervision of the Township Health Officer.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : PEQUANNOCK, LINCOLN, FAIRFIELD

Project No. : 340880-01 Eligible Project Cost : $5,452,100
FY89 RANK : 198.0
County : MORRIS Total State Amount : $5,452,100

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
Primary Discharge	500	0
I/I Correction--Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	100
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	100
	Population	.00313
	TOTAL POINTS	100.00313

Project Name, Number

Priority List Rank

Pequannock, Fairfield and Lincoln Park SA (Two Bridges S.A.)
C340880-01
Sludge

198

County

Morris

Service Area

Pequannock, Fairfield and Lincoln Park.

Existing Population

3,136

Need for Project

TBSA has only one interceptor; there is no backup or standby during incinerator shutdowns. Operation of a single incinerator for sludge disposal is unreliable for both sludge generated by the TBSA treatment plant and sludge delivered by outside customers. When the Pequannock River Basin Regional Sewerage Authority completes its interceptor project and commences discharging to the TBSA treatment plant, sludge storage capacity will be 5-6 weeks during shutdowns. Therefore, TBSA will be forced to dispose of its sludge at another facility. The second incinerator would not only improve reliability, but would also allow TBSA to consider entering into long term sludge disposal contracts for liquid sludge. The addition of a sludge cake (dewatered sludge) receiving facility will allow more feasible transporation of sludge and permit the addition of sludge cake customers.

Project Description

The TBSA has proposed the construction of a second fluidized bed incinerator, inside the existing facilities, which would be designed to accept dewatered sludge cake and provide storage capacity for sludge cake.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : MINE HILL TOWNSHIP

Project No. : 340498-01 Eligible Project Cost : $3,190,499
FY89 RANK : 199.0
County : MORRIS Total State Amount : $3,190,499

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.00311
	TOTAL POINTS	100.00311

Project Name, Number

Priority List Rank

Mine Hill Township
C340498-01
Collection System, Int.

199

County

Morris

Service Area

Mine Hill Township (Passaic Drainage area)

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 project report has not been initiated.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : EGG HARBOR TOWNSHIP MUA

Project No.	: 340860-01	Eligible Project Cost	: $4,684,785
FY89 RANK	: 200.0		
County	: ATLANTIC	Total State Amount	: $4,684,785

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.00300
	TOTAL POINTS	100.00300

Project Name, Number

Egg Harbor Township MUA
C340860-01
PS, Int., Coll.

Priority List Rank

200

County

Atlantic

Service Area

Southeastern portion of Egg Harbor Township, approximately 1.7 square miles which includes the following developments:

Zion Park	Mitchell Park
Fairview Manor	Mitchell Park West
Woodside Park	Harborwood
Deerfield Estates	Vella La Vella

Existing Population

3,000

Need for Project

The existing residents in the area are serviced by individual septic systems which have experienced a high frequency of failing. This is causing a public nuisance and possibly contaminating the Patcong Creek and Lake Creek. This is attributable to the densely congregated dwelling units and unsuitable soil conditions.

Project Description

Collector sewers, force main, and interceptors are being proposed to convey the area's wasteflow to Atlantic County Utilities Authority's Coastal Region STP for ultimate treatment and disposal. This STP has sufficient capacity to accommodate this flow.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : EAST BRUNSWICK SA

Project No. : 340789-03 Eligible Project Cost : $2,035,362
FY89 RANK : 201.0
County : MIDDLESEX Total State Amount : $2,035,362

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.00260
	TOTAL POINTS	100.00260

Project Name, Number

East Brunswick Sewerage Authority
C340789-03
Alternative Wastewater System

Priority List Rank

201

County

Middlesex

Service Area

East Brunswick Township

Existing Population

2,600

Need for Project

Past management of on-site systems in the Planning Area has not assured the protection of aquifer recharge water quality. On-site systems have been constructed on soils that are severely limited to on-site disposal without adequate design considerations for the respective soils limitations. Sewering alternatives have been demonstrated to be excessive cost remedies to the existing failures. Therefore, proper management of on-site systems appears to represent the most feasible alternative to correct existing failures and protect the quality and quantity of the aquifers.

Project Description

Some form of on-site management district is proposed for the planning area. As a minimum, this will include:

1. Rehabilitation of existing on-site failures;

2. Establishment of a management agency to schedule routine cleaning and repairs of all systems and assure proper design and installation of new systems; and

3. Development of a voucher system to assure proper disposal of septage.

Creation of this management district assures timely correction of on-site failures and will assure routine pumping of tanks to prevent clogging drain fields, and proper disposal of septage. These functions are not presently being performed in East Brunswick. Creation of an on-site program will be one of the first such instances in the State.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : OCEAN COUNTY UA

Project No. : 340372-14 Eligible Project Cost : $910,373
FY89 RANK : 202.0
County : OCEAN Total State Amount : $910,373

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.00253
	TOTAL POINTS	100.00253

Project Name, Number

Priority List Rank

Ocean County Utilities Authority
C340372-14
Interceptor

202

County

Ocean

Service Area

Northern portion of Jackson Township

Existing Population

2,532

Need for Project

There are malfunctioning septic systems in the study area which are causing a public nuisance. The area is a tributary to the South Branch of Metedoconk River.

Project Description

A proposed solution is the construction of 4,000 feet of interceptor, known as NI-23, extending from NP5-6 Jackson Villanova Pumping Station to Lake Enno, to convey the area's sewage to the OCUA's northern treatment plant.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : RIVERDALE, BOROUGH OF

Project No. : 340729-01 Eligible Project Cost : $1,304,924
FY89 RANK : 203.0
County : MORRIS Total State Amount : $1,304,924

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50

Population .00242

TOTAL POINTS 100.00242

Project Name, Number

Borough of Riverdale
C340729-01
Collection System, Int.

Priority List Rank

203

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.

NEW JERSEY STATE LIBRARY

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : RIVERDALE, BOROUGH OF

Project No. : 340473-01 Eligible Project Cost : $4,002,412
FY89 RANK : 204.0
County : MORRIS Total State Amount : $4,002,412

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.00241
	TOTAL POINTS	100.00241

Project Name, Number

Priority List Rank

Borough of Riverdale
C340473-01
Interceptor

204

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 OF

Project No. : 340592-06 Eligible Project Cost : $4,582,708
FY89 RANK : 205.0
County : BERGEN Total State Amount : $4,582,708

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.00235
	TOTAL POINTS	100.00235

Project Name, Number

Priority List Rank

Mahwah Township
C340592-06
Collection System, Int.

205

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 : EVESHAM TWP MUA

Project No. : 340838-01 Eligible Project Cost : $3,288,152
FY89 RANK : 206.0
County : BURLINGTON Total State Amount : $3,288,152

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.00210
	TOTAL POINTS	100.00210

Project Name, Number | Priority List Rank

Evesham Twp. Municipal Utilities Authority | 206
C340838-01
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 : WALL TOWNSHIP (MANASQUAN PARK)

Project No.	: 340622-04	Eligible Project Cost	: $7,024,106
FY89 RANK	: 207.0		
County	: MONMOUTH	Total State Amount	: $7,024,106

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	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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.00190
	TOTAL POINTS	100.00190

Project Name, Number

Priority List Rank

Wall Township
C340622-04
Coll, Int.

207

County

Monmouth

Service Area

Manasquan Park Section of Wall Township

Existing Population

1,900

Need for Project

This project is proposed for the elimination of ground and surface water pollution as a result of malfunctioning on-site wastewater systems. Due to the development density in portions of the planning area, rehabilitation of these systems would be discouraged by the department. Poor soil types along with seasonal high groundwater result in a public nuisance such as sewage seeping out of the ground. Sewage collected by this proposed system will be conveyed to the South Monmouth Regional Treatment Facility located on Eighteenth Avenue in Wall Township.

Project Description

The proposed collection system consists of approximately 58,090 feet of 8" sewer line, 2,355 feet of 12" sewer line, 100 feet of 15" sewer line, 213 manholes, pumping stations, 3,240 feet of 4" force main, 10,810 feet of 6" force main and 2,500 feet of 8" force main. Included in this project are house connections, 5 highway crossings, easements, pumping station sites, pavement restoration, environmental restoration and individual grinder pump units. The sewage collected by this system will be transmitted to the South Monmouth Regional Treatment Facility via the southeast section of Wall Township collection system.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : KINNELON BOROUGH

Project No. : 340487-02 Eligible Project Cost : $8,106,811
FY89 RANK : 208.0
County : MORRIS Total State Amount : $8,106,811

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.00170
	TOTAL POINTS	100.00170

Project Name, Number

Priority List Rank

Borough of Kinnelon
C340487-02
Collection, PS, FM, INT.

208

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's wastewater will be conveyed by interceptor to the existing Butler-Bloomingdale Sewerage Authority's treatment plant. This project is presently in the facility planning stage.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : HOPE TOWNSHIP

Project No.	: 340872-01	Eligible Project Cost	:	$448,855
FY89 RANK	: 209.0			
County	: WARREN	Total State Amount	:	$448,855

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.00166
	TOTAL POINTS	100.00166

Project Name, Number

Hope Township
C340872-01
Individual Systems

Priority List Rank

209

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 : BRIDGEWATER TWP

Project No. : 340638-03 Eligible Project Cost : $1,685,801
FY89 RANK : 210.0
County : SOMERSET Total State Amount : $1,685,801

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
SUBTOTAL		50
Population		.00133
TOTAL POINTS		100.00133

Project Name, Number

Priority List Rank

Bridgewater Township
C340638-03
Collection System, Int.

210

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 : BEACHWOOD SEWERAGE AUTHORITY

Project No. : 340899-01 Eligible Project Cost : $2,595,400
FY89 RANK : 211.0
County : OCEAN Total State Amount : $2,595,400

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.00132
	TOTAL POINTS	100.00132

Project Name, Number

Priority List Rank

Beachwood Sewerage Authority
C340899-01
Collection System

211

County

Ocean

Existing population

1,316

Service Area

Portion of the Borough of Beachwood

Need for Project

376 houses in the Borough rely on on-site septic systems for sewage disposal. These septic systems appear inadequate and pose a pollution threat to ground water and a nuisance to the residents.

Project Description

A collection system is proposed which consists of 5.3 miles of 8 to 10-inch diameter gravity pipe, 0.3 miles of force main, and two pump stations. This collection system will serve a total population of 2,464 (1,316 existing). The wastewater will be conveyed to the Ocean County Utilities Authority's Central Plant for treatment and disposal.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : MIDDLE TWP(RIO GRANDE)

Project No. : 340754-03 Eligible Project Cost : $6,760,760
FY89 RANK : 212.0
County : CAPE MAY Total State Amount : $6,760,760

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.00128
	TOTAL POINTS	100.00128

Project Name, Number	Priority List Rank
Middle Township (Rio Grande) C340754-03 Collection and Interceptor System	212

County

Cape May County

Service Area

The service area includes the region located in Cape May County known as Rio Grande. The area is located approximately three miles west of the City of Wildwood in Middle Township.

Existing Population

The permanent population of this area is 1,288; the summer population increases to 4,500--4,750.

Need for Project

Approximately 40 percent of the septic systems in the area are malfunctioning. Efforts have been made to correct this situation with no progress. The failures are attributed to high population density and poor soils that are not suitable for septic systems. These facilities create a public nuisance.

Project Description

Of several alternatives studied, a collection and interceptor system to the Cape May County MUA Seven Mile Beach/Middle Region STP was chosen as the best way to achieve the basic wastewater management objectives. The implementation of this plan requires the removal of all septic systems, 40 percent of which are failing. The benefits include the removal of a potential health hazard, the probable improvement of surface water quality, and the general improvement of the quality of life.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : WEST CAPE MAY, BOROUGH OF

Project No. : 340624-05 Eligible Project Cost : $465,226
FY89 RANK : 213.0
County : CAPE MAY Total State Amount : $465,226

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction--Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.00125
	TOTAL POINTS	100.00125

Project Name, Number

Priority List Rank

Borough of West Cape May
C340624-05
Alternative Wastewater System

213

County

Cape May

Service Area

Borough of West Cape May

Existing Population

1,258

Need for Project

High groundwater levels and poor soil conditions are contributing to the failure of existing on-site systems. As a result, frequent flooding of these systems occurs, creating offensive odors and/or otherwise unhealthy sanitary conditions.

Project Description

Provide proper wastewater collection and treatment to roughly 31 homes in the unsewered Fow Track area of the Borough. Wastewater will be treated by on-site treatment or a collection system alternative.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : RARITAN TOWNSHIP MUA

Project No. : 340485-04 Eligible Project Cost : $7,993,393
FY89 RANK : 214.0
County : HUNTERDON Total State Amount : $7,993,393

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.00114
	TOTAL POINTS	100.00114

Project Name, Number | Priority List Rank

Raritan Township MUA (RTMUA) | 214
C340485-04
Alternative Collection, Alternative Systems

County

Hunterdon

Service Area

Raritan Township

Existing Population

11,442

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 : $1,752,682
FY89 RANK : 215.0
County : CAPE MAY Total State Amount : $1,752,682

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.00091
	TOTAL POINTS	100.00091

Project Name, Number

Priority List Rank

Upper Township (Strathmere)
C340619-03
Sewage Collection and
Interceptor System

215

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 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 health hazards. 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 : BRANCHVILLE BOROUGH

Project No. : 340740-02 Eligible Project Cost : $2,263,306
FY89 RANK : 216.0
County : SUSSEX Total State Amount : $2,263,306

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	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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.00085
	TOTAL POINTS	100.00085

Project Name, Number

Branchville Borough
C340740-02
Collection System, Int.

Priority List Rank

216

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 : GALLOWAY TWP

Project No. : 340892-01 Eligible Project Cost : $4,176,360
FY89 RANK : 217.0
County : ATLANTIC Total State Amount : $4,176,360

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	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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.00081
	TOTAL POINTS	100.00081

Project Name, Number

Priority List Rank

Galloway Township
C340892-01
Collection System, Pumping Stations

217

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 treat 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 the 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 : MIDDLE TWP (DEL HAVEN)

Project No. : 340691-03 Eligible Project Cost : $3,040,168
FY89 RANK : 218.0
County : CAPE MAY Total State Amount : $3,040,168

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.00068
	TOTAL POINTS	100.00068

Project Name, Number

Priority List Rank

Middle Township (Del Haven)
C340691-03
Collection and Interceptor System

218

County

Cape May County

Service Area

The service area includes the region located in Cape May County known as Del Haven. The area is located on the Delaware Bay near the border of Middle and Lower Townships.

Existing Population

The permanent population of this area at the present time is 682. The expected summer population is 2,657.

Need for Project

Septic systems in the area are malfunctioning, creating a public nuisance. Efforts have been made to correct this situation, with no progress. The failures are attributed to high population density and poor soils conditions that are not suitable for septic systems, and impact the estuaries.

Project Description

Of several alternatives studied, a collection and interceptor system to the Cape May County MUA Seven Mile Beach/Middle Region STP was chosen as the most cost-effective, environmentally sound way to achieve the basic wastewater management objectives. The implementation of this plan requires the removal of all septic systems which are failing. The removal of these systems will have numerous benefits including the removal of a potential health hazard, the probable improvement of surface and shellfish water quality, and the general improvement of the quality of life.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : OCEAN TWP SA

Project No. : 340750-03 Eligible Project Cost : $2,369,276
FY89 RANK : 219.0
County : MONMOUTH Total State Amount : $2,369,276

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.00064
	TOTAL POINTS	100.00064

Project Name, Number	Priority List Rank
Township of Ocean Sewerage Authority C340750-03 Collection System, Int.	219

County

Monmouth

Service Area

Unsewered areas of Ocean Township

Existing Population

640

Need for Project

The unsewered areas of Ocean Township are presently experiencing a high malfunction rate and public nuisance problem with septic systems. These areas are located in the west and northwest areas of the Township, have a high groundwater table, and are on the headwaters of small streams. There is a potential major problem of continued groundwater pollution due to the high failure rate of these septic systems.

Project Description

The following alternatives will be evaluated:

1. Upgrading or expansion of existing on-site wastewater systems.
2. Modifications to the existing system.
3. Collection sewers and interceptors.
4. Pressure sewers and interceptors.

Any of the above, or a combination of these alternatives, will eliminate the current existing public nuisance problems.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : SHAMONG TWP

Project No. : 340831-01 Eligible Project Cost : $2,384,686
FY89 RANK : 220.0
County : BURLINGTON Total State Amount : $2,384,686

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.00061
	TOTAL POINTS	100.00061

Project Name, Number

Priority List Rank

Shamong Township
C340831-01
Alternative Wastewater System

220

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, TWP OF

Project No. : 340836-01 Eligible Project Cost : $1,571,756
FY89 RANK : 221.0
County : MIDDLESEX Total State Amount : $1,571,756

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	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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.00045
	TOTAL POINTS	100.00045

Project Name, Number

Plainsboro Township
C340836-01
Coll, Int.

Priority List Rank

221

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 : $1,444,283
FY89 RANK : 222.0
County : SOMERSET Total State Amount : $1,444,283

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	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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.00042
	TOTAL POINTS	100.00042

Project Name, Number

Township of Franklin Sewerage Authority
C340839-01
Pump Station, Interceptor, Force Main

Priority List Rank

222

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 SA/SILVER LAKE

Project No. : 340918-01 Eligible Project Cost : $619,863
FY89 RANK : 223.0
County : GLOUCESTER Total State Amount : $619,863

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.00041
	TOTAL POINTS	100.00041

Project Name, Number

Clayton S.A./Silver Lake
C340918-01
Collection System

Priority List Rank

223

County

Gloucester

Service Area

Silver Lake Area of Clayton

Existing Population

410

Need for Project

There are 104 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. The wastewater will be conveyed via an existing Gloucester County Utilities Authority interceptor to the regional plant in Paulsboro for treatment.

NEW JERSEY STATE LIBRARY

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : PENNSVILLE, TOWNSHIP OF

Project No. : 340870-01 Eligible Project Cost : $1,818,150
FY89 RANK : 224.0
County : SALEM Total State Amount : $1,818,150

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	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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
SUBTOTAL		50
Population		.00040
TOTAL POINTS		100.00040

Project Name, Number

Priority List Rank

Pennsville Township
C340870-01
Collection System

224

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 : $581,532
FY89 RANK : 225.0
County : ATLANTIC Total State Amount : $581,532

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.00035
	TOTAL POINTS	100.00035

Project Name, Number

Priority List Rank

Borough of Buena MUA
C340833-01
Alternative Wastewater System

225

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 : EVESHAM TWP-PINE GROVE

Project No.	: 340629-02	Eligible Project Cost	:	$959,638
FY89 RANK	: 226.0			
County	: BURLINGTON	Total State Amount	:	$959,638

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	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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.00029
	TOTAL POINTS	100.00029

Project Name, Number

Priority List Rank

Evesham MUA-(Pine Grove Area)
C340629-02
Alternative Wastewater Systems

226

County

Burlington

Service Area

Evesham Township-Pine Grove Area

Existing Population

290

Need for Project

Individual septic systems are used for sanitary waste disposal. The proximity of the Southwest Branch of Rancocas Creek, the high water table and the poor percolation of the soils have resulted in citations by the County Board of Health and NJDEP because of overflow and pollution of the stream. Individual or on-site systems are recommended for the planning area. The current disposal/discharge priority is marginally acceptable for a complete treatment system, but is causing a public nuisance problem.

Project Description

The Step 1 grant for this area has been conditionally completed, and further study of the existing on-site wastewater disposal systems has been warranted. Based on the needs determined from this study, selection of alternatives would be made on a cost effective basis for location and layout. The alternative found to be most cost effective with regard to environmental and economic factors will be recommended for the selection by reviewing agencies.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : CHESTER, BOROUGH OF

Project No. : 340876-01 Eligible Project Cost : $1,178,316
FY89 RANK : 227.0
County : MORRIS Total State Amount : $1,178,316

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.00016
	TOTAL POINTS	100.00016

Project Name, Number

Borough of Chester
C340876-01
STP, PS, FM

Priority List Rank

227

County

Morris

Service Area

Borough of Chester

Existing Population

1,504

Need for Project

The only means of wastewater treatment/disposal in the Borough is via septic systems. Some of the systems in the Borough contribute to water quality degradation in Tiger Brook, tributary to Peapack Brook (Classification FW2-TP(C1)).

Project Description

The Borough proposes the construction of a 0.075 mgd WWTF with land application to service the Borough. The project includes the required collection and conveyance system components to eliminate the failing on-site systems.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : CLAYTON SA/HILLSIDE

Project No.	: 340918--02	Eligible Project Cost	:	$819,263
FY89 RANK	: 228.0			
County	: GLOUCESTER	Total State Amount	:	$819,263

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.00015
	TOTAL POINTS	100.00015

Project Name, Number

Clayton S.A./Hillside
C340918-02
Collection System

Priority List Rank

228

County

Gloucester

Service Area

Hillside Avenue Area of Clayton

Existing Population

150

Need for Project

There are 40 homes within the proposed service area (Hillside Avenue) 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 Hillside Avenue service area. 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 : LINCOLN PARK BOROUGH

Project No. : 340594-02 Eligible Project Cost : $3,234,094
FY89 RANK : 229.0
County : MORRIS Total State Amount : $3,234,094

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.00014
	TOTAL POINTS	100.00014

Project Name, Number

Priority List Rank

Borough of Lincoln Park
C340594-02
Collection System, Int., PS, FM

229

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 : RARITAN BOROUGH

Project No. : 340781-03 Eligible Project Cost : $902,226
FY89 RANK : 230.0
County : SOMERSET Total State Amount : $902,226

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.00013
	TOTAL POINTS	100.00013

Project Name, Number

Priority List Rank

Borough of Raritan
C340781-03
Alternative Wastewater System

230

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 cost-effective solution to this problem is the installation of pressure sewers. The flow from each house will be pumped by grinder pumps through a force main and into an existing sewer to be treated by the Somerset-Raritan Valley Sewerage Authority.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : WEST CAPE MAY, BOROUGH OF

Project No. : 340624-04 Eligible Project Cost : $442,659
FY89 RANK : 231.0
County : CAPE MAY Total State Amount : $442,659

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.00008
	TOTAL POINTS	100.00008

Project Name, Number

Priority List Rank

Borough of West Cape May
C340624-04
Collection System

231

County

Cape May

Service Area

Part of the Borough of West Cape May. It is located northwest of Cape May City in the southernmost part of Cape May County.

Existing Population

The permanent population of this area is 81; however, this is a resort community and summer populations increase to approximately 200.

Need for Project

This project has been proposed in order to eliminate the problems and public nuisance resulting from malfunctioning individual septic systems. Possible groundwater pollution, as well as pollution of shellfishing waters and recreation areas, are a result of the present individual systems. The major concern is seasonal overuse.

Project Description

The Cape May County MUA proposed the planning, design, and construction of a sanitary sewer collection system. This system will eventually connect into Cape May MUA's system through Cape May City sewer system. It will contribute a flow of about 2,200 gallons per day. The construction of this sewer collection system will eliminate potential health hazards and generally improve the quality of life. This project consists of a collection and interceptor system and tie-in to the Cape May MUA interceptor.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : WOODBRIDGE, TOWNSHIP OF

Project No. : 340433-08 Eligible Project Cost : $30,000
FY89 RANK : 232.0
County : MIDDLESEX Total State Amount : $30,000

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	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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.00002
	TOTAL POINTS	100.00002

Project Name, Number

Priority List Rank

Woodbridge, Township of
C340433-08
Collection System

232

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 : MIDDLESEX COUNTY UA

Project No. : 340680-05 Eligible Project Cost : $1,163,064
FY89 RANK : 233.0
County : MIDDLESEX Total State Amount : $1,163,064

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	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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	1.78184
	TOTAL POINTS	51.78184

Project Name, Number	Priority List Rank
Middlesex County Utilities Authority C340680-05 Septage Treatment Facilities	233

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 : MT HOLLY SA

Project No. : 340817-02 Eligible Project Cost : $1,258,546
FY89 RANK : 234.0
County : BURLINGTON Total State Amount : $1,258,546

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
SUBTOTAL		50
Population		.35829
TOTAL POINTS		50.35829

Project Name, Number
Mount Holly Sewerage Authority
C340817-02
Septage Treatment

Priority List Rank
234

County
Burlington

Service Area
Bass River Township, Bordentown City, Bordentown Township, Burlington Township, Chesterfield Township, Cinnaminson Township, Delanco Township, Delran Township, Eastampton Township, Edgewater Park Township, Evesham Township, Fiedsboro Borough, Florence Township, Hainsport Township, Lumberton Township, Mansfield Township, Maple Shade Township, Medford Lakes Borough, Medford Township, Moorestown Township, Mount Holly Township, Mount Laurel Township, New Hanover Township, North Hanover Township, Palmyra Borough, Pemberton Township, Riverside Township, Riverton Borough, Shamong Township, Southampton Township, Springfield Township, Tabernackle Township, Washington Township, Westampton Township, Willingboro Township, Wrightstown Borough

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 an 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 : $281,421
FY89 RANK : 235.0
County : MORRIS Total State Amount : $281,421

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.25737
	TOTAL POINTS	50.25737

Project Name, Number

Priority List Rank

Parsippany-Troy Hills Twp.
C340806-03
Septage Treatment/Disposal

235

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 : ATLANTIC COUNTY UA (CSTL)

Project No. : 340809-02 Eligible Project Cost : $1,054,132
FY89 RANK : 236.0
County : ATLANTIC Total State Amount : $1,054,132

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.20261
	TOTAL POINTS	50.20261

Project Name, Number | Priority List Rank

Atlantic County Utiliites Authority | 236
C340809-02
Septage Treatment/Disposal

County
Atlantic

Service Area

Absecon City, Atlantic City, Brigantine City, Buena Vista Township, Corbin City, Egg Harbor City, Egg Harbor Township, Estelle Manor City, Folsom Borough, Galloway Township, Hamilton Township, Hammonton Town, Linwood City, Longport Borough, Margate City, Mullica Township, Northfield City, Pleasantville City, Port Republic City, Somers Point City, Ventnor City, Weymouth Township

Existing Population
202,610

Need for Project

The State of New Jersey has mandated that all septic wastes (septage) be banned from disposal at unlined landfills as of March 15, 1985. Subsequently, the Atlantic County Utilities Authority has been designated as the responsible agency to dispose of all septage generated in Atlantic County in order to satisfy this mandate.

Currently, the Atlantic County Utilities Authority treatment facility is incapable of accepting all of the County's septage due to excessive wear and tear on the system from the grit in the waste. The completed septage management plan concluded that, without septage pretreatment, upset of the treatment system would recur when large quantities of septage are accepted into the liquid stream, temporarily violating the permit requirements. Separation of the septage inflow and subsequent pretreatment employing alternative technology will rectify this situation.

At present, it is likely that because there are no adequate provisions for septage disposal in the County, septage is being pumped less frequently than desired from individual systems and septage is being dumped illegally in woods and deserted areas. In both cases, a negative impact on water quality may result and potable water supplies can be threatened.

Project Description
The septage management plan proposes the addition of septage treatment facilities to the existing Atlantic County Utilities Authority treatment plant. Plans and specifications are being prepared to consist of the following:

1. Septage Receiving Station
2. Air Flotation/Coagulation Unit
3. Septage Float Receiving Station
4. Holding Tank Modifications
5. Piping
6. Pre-Fabricated Building
7. Odor Control

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : GLOUCESTER COUNTY UA

Project No. : 340902-01 Eligible Project Cost : $4,449,128
FY89 RANK : 237.0
County : GLOUCESTER Total State Amount : $4,449,128

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.15977
	TOTAL POINTS	50.15977

Project Name, Number

Priority List Rank

Gloucester County UA
C340902-01
Sludge Management Consolidated Region

237

County

Gloucester

Service Area

Clayton Boro, Deptford Twp., Glassboro Boro., Mantua Twp., Monroe Twp., National Park Boro., Paulsboro Boro, Washington Twp., Wenonah Boro, W. Deptford Twp., Westville Boro, Woodbury City, and Woodbury Hts Boro

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	: $1,257,640
FY89 RANK	: 238.0		
County	: SOMERSET	Total State Amount	: $1,257,640

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	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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.13836
	TOTAL POINTS	50.13836

Project Name, Number | Priority List Rank

Somerset-Raritan Valley Sewerage Authority | 238
C340801-03
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 : SALEM COUNTY BD OF CHOSEN FREEHOLDERS

Project No. : 340804-03 Eligible Project Cost : $6,158,049
FY89 RANK : 239.0
County : SALEM Total State Amount : $6,158,049

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.05688
	TOTAL POINTS	50.05688

Project Name, Number | Priority List Rank

Salem County Board of Chosen Freeholders | 239
C340804-03
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 hat 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 : NORTHWEST BERGEN CO UA

Project No. : 340700-05 Eligible Project Cost : $2,020,483
FY89 RANK : 240.0
County : BERGEN Total State Amount : $2,020,483

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.05055
	TOTAL POINTS	50.05055

Project Name, Number | Priority List Rank

Northwest Bergen County Utilities Authority C340700-05
Septage Disposal Facility | 240

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 : WEST ORANGE TOWNSHIP

Project No. : 340865-01 Eligible Project Cost : $11,555,263
FY89 RANK : 241.0
County : ESSEX Total State Amount : $11,555,263

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.04082
	TOTAL POINTS	50.04082

Project Name, Number

West Orange Township
C340865-01
Interceptors and Appurtenances

Priority List Rank

241

County

Essex

Service Area

West Orange Township

Existing Population

40,816

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 : NEW BRUNSWICK, CITY OF

Project No.	: 340437-03	Eligible Project Cost	: $1,113,628
FY89 RANK	: 242.0		
County	: MIDDLESEX	Total State Amount	: $1,113,628

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.03986
	TOTAL POINTS	50.03986

Project Name, Number

City of New Brunswick
C340437-03
Interceptor and Appurtenances

Priority List Rank

242

County

Middlesex

Service Area

City of New Brunswick

Existing Population

39,858

Need for Project

The existing Triangle Interceptor Sewer has capacity to serve present needs and some future growth, however, there is insufficient capacity to serve all of the potential growth in the tributary area. The City of New Brunswick is included within the sewer service area of the Middlesex County Utilities Authority. Since this project will have no direct impact upon existing water quality, only category points for new systems are justified.

Project Description

The proposed project is for the construction of approximately 4,600 linear feet of new interceptor along the same route of the existing Triangle Interceptor Sewer. In addition, the upper reaches of the existing interceptor sewer require rehabilitative work consisting of providing adequate cover for protection of the pipe and elimination of root intrusion.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : MANASQUAN RIVER REG SA

Project No. : 340832-02 Eligible Project Cost : $1,546,906
FY89 RANK : 243.0
County : MONMOUTH Total State Amount : $1,546,906

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.03900
	TOTAL POINTS	50.03900

Project Name, Number

Priority List Rank

Manasquan River Regional Sewerage Authority
C340832-02

243

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. The Lone Pine Landfill is on the Superfund list. Arthur Brisbane Hospital will be able to eliminate the STP. The 201 Plan requires Route 9 to have onsite septage.

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 : PEQUANNOCK RIVER BASIN RSA

Project No.	: 340459-04	Eligible Project Cost	:	$465,226
FY89 RANK	: 244.0			
County	: PASSAIC	Total State Amount	:	$465,226

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.02460
	TOTAL POINTS	50.02460

Project Name, Number	Priority List Rank
Pequannock River Basin Reg. S.A. C340459-04 Septage Treatment/Disposal	244

County

Passaic and Morris

Service Area

The PRBRSA service area includes the Boroughs of Butler, Kinnelon (portion) and Riverdale (portion) in Morris County and the Borough of Bloomingdale and the Township of West Milford (portion) in Passaic County.

Existing Population

24,600

Need for Project

There are currently no facilities within the PRBRSA service area licensed to accept and treat septage wastes. The Two Bridges Sewerage Authority Treatment Plant in Morris County, New Jersey is identified as a short term disposal site for septage generated in the PRVRSA service area.

Project Description

The purpose of this project is to construct septage receiving/disposal facilities in the Pequannock River Basin Regional Sewerage Authority service area. The recommendation of the septage management plan includes septage receiving, pretreatment, flow equalization and enlargement of the sludge units.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : HACKETTSTOWN MUA

Project No. : 340803-03 Eligible Project Cost : $515,628
FY89 RANK : 245.0
County : WARREN Total State Amount : $515,628

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.01199
	TOTAL POINTS	50.01199

Project Name, Number | Priority List Rank

Hackettstown Municipal Utilities Authority | 245
C340803-03
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 : LAMBERTVILLE SA

Project No. : 340882-02 Eligible Project Cost : $406,220
FY89 RANK : 246.0
County : HUNTERDON Total State Amount : $406,220

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.00400
	TOTAL POINTS	50.00400

Project Name, Number
Lambertville Sewage Authority
C340882-02
Coll Sys.

Priority List Rank
246

County

Hunterdon

Service Area

"Commons area" of Lambertville

Existing Population

3,896

Need for Project:

The project will provide sanitary collection sewers for the residents in the area of Lambertville known as the "Commons area". Residents of this area prefer a sanitary sewer system to the existing on-lot disposal systems due to problems with these systems. Such problems include extremely wet ground conditions in septic tank sites and drainage field areas, inadequate on-lot disposal systems, sanitary reasons and concerns about water quality and supply, and the inconvenience and expense of rehabilitation and annual pumping of the existing septic tanks.

Project Description :

This project involves providing sanitary collection sewers to the "Commons area" of Lambertville to alleviate the unhealthful conditions which exist from malfunctioning on-lot systems. The costs for construction of approximately 4,500 L.F. of 8-inch PVC sewer pipe, with sewer flows being solely by gravity, have been estimated at about $450,000.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : CHESTER, BOROUGH OF

Project No. : 340876-02 Eligible Project Cost : $1,051,018
FY89 RANK : 247.0
County : MORRIS Total State Amount : $1,051,018

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
Advanced Treatment	1	0
I/I Correction	1	0
	SUBTOTAL	50
	Population	.00150
	TOTAL POINTS	50.00150

Project Name, Number

Borough of Chester
C340876-02
STP

Priority List Rank

247

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 : MIDDLESEX COUNTY UA

Project No. : 340637-04 Eligible Project Cost : $18,549,635
FY89 RANK : 248.0
County : MIDDLESEX Total State Amount : $18,549,635

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
SUBTOTAL		1
Population		.49657
TOTAL POINTS		1.49657

Project Name, Number

Priority List Rank

Middlesex County Utilities Authority (MCUA)
C340637-04
Infiltration/Inflow Correction

248

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 : $18,762,035
FY89 RANK : 249.0
County : BERGEN Total State Amount : $18,762,035

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.37657
	TOTAL POINTS	1.37657

Project Name, Number

Priority List Rank

Bergen County Utilities Authority
C340768-02
Infiltration/Inflow Correction

249

County

Bergen

Service Area

The service area consists of 50 municipalities in Bergen County

Existing Population

376,750

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 : JT MEETING-ESSEX & UNION

Project No. : 340340-03 Eligible Project Cost : $12,096,140
FY89 RANK : 250.0
County : UNION Total State Amount : $12,096,140

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
SUBTOTAL		1
Population		.33497
TOTAL POINTS		1.33497

Project Name, Number	Priority List Rank
Joint Meeting of Essex and Union Counties C340340-03 Infiltration/Inflow Correction	250

County

Union

Service Area

16 municipalities in Essex and Union Counties encompassing 65 square miles.

Existing Population

334,967

Need for Project

To eliminate the excessive infiltration and inflow and to extend the useful life of the sewer.

Project Description

Joint Meeting operates a 75 mgd secondary sewage treatment facility with a sewer configuration 690 miles in length. The previous Sewer System Evaluation Survey Phase I and IIA studies have led to the present Phase IIB for sewer cleaning, TV inspection and smoke testing. This project will provide Infiltration/Inflow correction (Phase III) which will follow afterwards.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : NEWARK,CITY OF

Project No. : 340815-02 Eligible Project Cost : $22,384,640
FY89 RANK : 251.0
County : ESSEX Total State Amount : $22,384,640

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	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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.31635
	TOTAL POINTS	1.31635

Project Name, Number

Priority List Rank

Newark, City of
C340815-02
Infiltration/Inflow Correction

251

County

Essex

Service Area

City of Newark

Existing Population

316,345

Need for Project

An infiltration/inflow (I/I) analysis has been performed which documents excessive I/I in the Newark sewer system. A sewer system evaluation survey (SSES) is being performed in order to further define the areas which are in need of rehabilitation, and also, to outline a cost-effective rehabilitation program.

Project Description

This project, in accordance with the SSES, would consist of chemical grouting, relining, or replacing sewer lines in need of repair.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : RAHWAY VALLEY SA

Project No. : 340547-03 Eligible Project Cost : $5,355,675
FY89 RANK : 252.0
County : UNION Total State Amount : $5,355,675

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.17373
	TOTAL POINTS	1.17373

Project Name, Number

Priority List Rank

Rahway Valley Sewerage Authority
C340547-03
Infiltration/Inflow Correction

252

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 : PATERSON, CITY OF

Project No. : 340850-01 Eligible Project Cost : $22,195,450
FY89 RANK : 253.0
County : PASSAIC Total State Amount : $22,195,450

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.13945
	TOTAL POINTS	1.13945

Project Name, Number

Priority List Rank

Paterson, City of
C340850-01
Infiltration/Inflow Correction

253

County

Passaic

Service Area

City of Paterson

Existing Population

137,453

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 : NUTLEY TOWNSHIP

Project No. : 340834-01 Eligible Project Cost : $1,781,787
FY89 RANK : 254.0
County : ESSEX Total State Amount : $1,781,787

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.10568
	TOTAL POINTS	1.10568

Project Name, Number	Priority List Rank
Nutley Township C340834-01 Infiltration/Inflow Correction - Overflow	254

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.

NEW JERSEY STATE LIBRARY

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : ROCKAWAY VALLEY REG SA

Project No. : 340756-02 Eligible Project Cost : $5,351,865
FY89 RANK : 255.0
County : MORRIS Total State Amount : $5,351,865

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.09218
	TOTAL POINTS	1.09218

Project Name, Number	Priority List Rank
Rockaway Valley Regional Sewerage Authority C340756-02 Infiltration/Inflow Correction	255

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 : $7,242,602
FY89 RANK : 256.0
County : BERGEN Total State Amount : $7,242,602

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.09171
	TOTAL POINTS	1.09171

Project Name, Number | Priority List Rank

Northwest Bergen County Utilities Authority C340700-06 Infiltration/Inflow Correction | 256

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 : EAST ORANGE, CITY OF

Project No. : 340843-01 Eligible Project Cost : $2,031,503
FY89 RANK : 257.0
County : ESSEX Total State Amount : $2,031,503

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.07758
	TOTAL POINTS	1.07758

Project Name, Number

East Orange, City of
C340843-01
Infiltration/Inflow Correction-Overflow

Priority List Rank

257

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 OF

Project No. : 340844-01 Eligible Project Cost : $11,666,197
FY89 RANK : 258.0
County : PASSAIC Total State Amount : $11,666,197

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	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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.07652
	TOTAL POINTS	1.07652

Project Name, Number

Priority List Rank

Clifton, City of
C340844-01
Infiltration/Inflow Correction - Overflow

258

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 : WOODBRIDGE, TOWNSHIP OF

Project No. : 340433-04 Eligible Project Cost : $973,112
FY89 RANK : 259.0
County : MIDDLESEX Total State Amount : $973,112

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.06983
	TOTAL POINTS	1.06983

Project Name, Number

Township of Woodbridge
C340433-04
Infiltration/Inflow Correction

Priority List Rank

259

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 : EWING-LAWRENCE SA

Project No. : 340391-05 Eligible Project Cost : $2,934,888
FY89 RANK : 260.0
County : MERCER Total State Amount : $2,934,888

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.06345
	TOTAL POINTS	1.06345

Project Name, Number

Priority List Rank

Ewing-Lawrence Sewerage Authority
C340391-05
Infiltration/Inflow Correction

260

County

Mercer

Service Area

Ewing Township, Lawrence Township and Hopewell Township (portion)

Existing Population

63,459

Need for Project

The sewer systems serving the above municipalities contain excessive infiltration and inflow that can be cost effectively removed.

Project Description

The Infiltration/Inflow correction program will correct the I/I problem in the ELSA sewer area.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : IRVINGTON, TOWN OF

Project No. : 340890-01 Eligible Project Cost : $1,671,751
FY89 RANK : 261.0
County : ESSEX Total State Amount : $1,671,751

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.06247
	TOTAL POINTS	1.06247

Project Name, Number

Irvington, Town of
C340890-01
I/I - Rehabilitation and Sanitary Sewer Improvement

Priority List Rank

261

County

Essex

Service Area

Town of Irvington

Existing Population

62,470

Need for Project

This project is necessary to eliminate excessive I/I within the service area, prevent further ground water contamination, and to eliminate sewer back-ups into residential and industrial establishments.

Project Description

The proposed project will be for an I/I correction program to eliminate the portion of I/I that is excessive within the service area. It also calls for improvement of approximately 4100 L.F. of sanitary sewers, manholes, building connections and related system improvement work.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : PASSAIC, CITY OF

Project No. : 340845-01 Eligible Project Cost : $4,284,713
FY89 RANK : 262.0
County : PASSAIC Total State Amount : $4,284,713

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.05396
	TOTAL POINTS	1.05396

Project Name, Number

Passaic, City of
C340845-01
Infiltration/Inflow Correction-Overflow

Priority List Rank

262

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 : WAYNE, TOWNSHIP OF

Project No. : 340393-06 Eligible Project Cost : $1,225,614
FY89 RANK : 263.0
County : PASSAIC Total State Amount : $1,225,614

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction--Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.04955
	TOTAL POINTS	1.04955

Project Name, Number

Wayne, Township of
C340393-06
Infiltration/Inflow Correction

Priority List Rank

263

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 Infiltration/Inflow correction program consists largely of grouting sanitary sewer lines, replacing sections of sewer pipe (1200 L.F.), converting standard manhole frames and castings to water tight frames and castings in flood hazard areas, grouting and sealing leaking manholes and repair or adjustments of defective manholes.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : NEPTUNE TWP SA

Project No. : 340410-04 Eligible Project Cost : $4,028,802
FY89 RANK : 264.0
County : MONMOUTH Total State Amount : $4,028,802

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.04391
	TOTAL POINTS	1.04391

Project Name, Number

Township of Neptune Sewerage Authority
C340410-04
Infiltration/Inflow Correction

Priority List Rank

264

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 plants ability to meet the established effluent limitations.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : LAMBERTVILLE SA

Project No.	: 340882-01	Eligible Project Cost	:	$284,140
FY89 RANK	: 265.0			
County	: HUNTERDON	Total State Amount	:	$284,140

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.03896
	TOTAL POINTS	1.03896

Project Name, Number

Priority List Rank

Lambertville Sewage Authority
C340882-01
Sewer System Evaluation Survey and
Sewer System Rehabilitation

265

County

Hunterdon

Service Area

West of Route 29, Cottage Hill Portion and a short extension along York Street in Lambertville.

Existing Population

3,896

Need for Project:

The Lambertville Sewage Authority will conduct a physical exam of the Lambertville sewer collection system to determine sources and location of extraneous infiltration, inflow and possible exfiltration of the sanitary system and to determine the extent of rehabilitation required. Corrective measures will be taken to alleviate those extraneous waters that reduce the capability of the sewer system and treatment faciliity to transport and treat domestic and other legitimately generated wastewaters. The soils and their moderate to severe limitation for on-lot disposal of wastewater effluent is the main reason for problems in this area.

Project Description:

This project involves a sewer system evaluation of excessive infiltration/inflow and potential exfiltration from the original vitified clay pipe. After identifying the problem areas, corrective measures will be taken at those areas, within the system, that exhibit infiltration and inflow problems. These corrective measures range from TV'ing and grouting to replacement where possible or the application of "Insituform" (lining) of defective sewer lines.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : MONTCLAIR, TOWN OF

Project No. : 340837-01 Eligible Project Cost : $1,578,923
FY89 RANK : 266.0
County : ESSEX Total State Amount : $1,578,923

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.03870
	TOTAL POINTS	1.03870

Project Name, Number

Priority List Rank

Montclair, Town of
C340837-01
Infiltration/Inflow Correction

266

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 : ATLANTIC COUNTY UA

Project No. : 340344-03 Eligible Project Cost : $10,249,970
FY89 RANK : 267.0
County : ATLANTIC Total State Amount : $10,249,970

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.03622
	TOTAL POINTS	1.03622

Project Name, Number | Priority List Rank

Atlantic County Utilities Authority | 267
C340344-03
Infiltration/Inflow Correction

County

Atlantic

Service Area

Included in this service area is Atlantic City. The area is located in the eastern coastal portion of Atlantic County.

Existing Population

The current permanent population of this area is 36,219. The seasonal population is approximately 80,200.

Need for Project

Infiltration/inflow studies for the Atlantic City sanitary sewer system conducted in 1975 provided indications that the system was subject to excessive extraneous flows. An SSES is being undertaken to further evaluate the sewerage system. Included in the proposed project is the acquisition of the Atlantic City sewerage system (presently owned by the Atlantic City Sewerage Company, a private investor) by the Atlantic City Municipal Utilities Authority. In order for the pollution control benefits to be realized, the ACMUA must commit to performing Infiltration/Inflow correction.

Project Description

The Atlantic City sewerage system consists of 100 miles of sewers, with diameters ranging from 6 inches to 78 inches, and five pumping stations. The daily average wasteflow is approximately 10 mgd (peak 18 mgd). Half of the wasteflow is from city residents and half from hotel/casinos. The wastewater is treated at the Atlantic County Utilities Authority Coastal Region facilities. The effluent is discharged to the Atlantic Ocean. A detailed Infiltration/Inflow correction program awaits the submission of the final Sewer System Evaluation Survey report.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : FORT LEE, BOROUGH OF

Project No. : 340853-01 Eligible Project Cost : $553,324
FY89 RANK : 268.0
County : BERGEN Total State Amount : $553,324

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.03262
	TOTAL POINTS	1.03262

Project Name, Number

Fort Lee, Borough of
C340853-01
Infiltration/Inflow Correction

Priority List Rank

268

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 OF

Project No. : 340859-01 Eligible Project Cost : $2,398,666
FY89 RANK : 269.0
County : ESSEX Total State Amount : $2,398,666

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.03173
	TOTAL POINTS	1.03173

Project Name, Number

Priority List Rank

Orange City of
C340859-01
Infiltration/Inflow Correction-Overflow

269

County

Essex

Service Area

City of Orange

Existing Population

31,728

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 : N ARLINGTON-LYNDHURST JT MTG

Project No. : 340426-05 Eligible Project Cost : $349,881
FY89 RANK : 270.0
County : BERGEN Total State Amount : $349,881

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.02776
	TOTAL POINTS	1.02776

Project Name, Number

North Arlington/Lyndhurst Joint Meeting
C340426-05
Sewer System Rehab

Priority List Rank

270

County

Bergen

Service Area

Borough of Lyndhurst and portions of North Arlington

Existing Population

27,758

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 is currently evaluating flow conditions and identifying 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 : WINSLOW TWP

Project No. : 340895-01 Eligible Project Cost : $530,170
FY89 RANK : 271.0
County : CAMDEN Total State Amount : $530,170

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.02527
	TOTAL POINTS	1.02527

Project Name, Number	Priority List Rank
Winslow Township C340895-01 Infiltration/Inflow Correction	271

County

Camden

Service Area

Winslow Township

Existing Population

25,277

Need for Project

The existing collection system in the Township of Winslow is subject to Infiltration/Inflow (I/I).

Project Description

The infiltration/inflow correction program will remove I/I.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : BERGEN COUNTY UA (TRIBORO)

Project No.	: 340769-02	Eligible Project Cost	: $1,383,599
FY89 RANK	: 272.0		
County	: BERGEN	Total State Amount	: $1,383,599

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.02509
	TOTAL POINTS	1.02509

Project Name, Number

Priority List Rank

BCUA (Triboro)
(Rutherford/E, Rutherford/Carlstadt)
C340769-02
Infiltration/Inflow Correction-Overflow

272

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 proposed 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 Hackensack 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 OF

Project No. : 340639-07 | Eligible Project Cost : $5,110,634
FY89 RANK : 273.0
County : BERGEN | Total State Amount : $5,110,634

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.02486
	TOTAL POINTS	1.02486

Project Name, Number

Ridgewood, Village of
C340639-07
Infiltration/Inflow Correction

Priority List Rank

273

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 : CRANFORD, TOWNSHIP OF

Project No. : 340858-01 Eligible Project Cost : $555,110
FY89 RANK : 274.0
County : UNION Total State Amount : $555,110

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.02408
	TOTAL POINTS	1.02408

Project Name, Number

Township of Cranford
C340858-01
Infiltration/Inflow Correction

Priority List Rank

274

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 : $668,900
FY89 RANK : 275.0
County : MORRIS Total State Amount : $668,900

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.02377
	TOTAL POINTS	1.02377

Project Name, Number

Madison-Chatham Joint Meeting
C340715-03
Infiltration/Inflow Correction

Priority List Rank

275

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.

NEW JERSEY STATE LIBRARY

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : EDGEWATER, BOROUGH OF

Project No. : 340443-05 Eligible Project Cost : $2,353,015
FY89 RANK : 276.0
County : BERGEN Total State Amount : $2,353,015

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction--Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.02138
	TOTAL POINTS	1.02138

Project Name, Number

Edgewater, Borough of
C340443-05
Infiltration/Inflow Correction

Priority List Rank

276

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, TWP OF

Project No. : 340906-03 | Eligible Project Cost : $834,454
FY89 RANK : 277.0
County : UNION | Total State Amount : $834,454

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.02137
	TOTAL POINTS	1.02137

Project Name, Number

Township of Hillside
C340906-03
I/I Rehabilitation and Sewer
Pump Station

Priority List Rank

277

County

Union

Service Area

Township of Hillside

Existing Population

21,384

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 : BRIDGETON, CITY OF

Project No. : 340829-01 Eligible Project Cost : $375,194
FY89 RANK : 278.0
County : CUMBERLAND Total State Amount : $375,194

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.01876
	TOTAL POINTS	1.01876

Project Name, Number

Bridgeton City
C340829-01
Infiltration/Inflow Correction

Priority List Rank

278

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 : HAWTHORNE, BOROUGH OF

Project No. : 340881-01 Eligible Project Cost : $633,708
FY89 RANK : 279.0
County : PASSAIC Total State Amount : $633,708

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.01868
	TOTAL POINTS	1.01868

Project Name, Number

Priority List Rank

Hawthorne, Borough of
C340881-01
Infiltration/Inflow Correction

279

County

Passaic

Service Area

Royal Avenue Area, Wagaraw Road, Watchung Drive, and Pasedena Place

Existing Population

18,678

Need for Project

The sanitary sewer lines in the Royal Avenue Area, Wagaraw Road, Watchung Drive, and Pasadena Place require infiltration/inflow correction. Also, insufficient pipe capacity during heavy flow causes surcharging. Since the sanitary sewer lines are so old (dating back to the 1930's), replacement of the sewer lines is considered cost effective.

Project Description

Upgrade of sanitary sewer lines by replacing them with PVC pipe.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : ELMWOOD PARK, BOROUGH OF

Project No. : 340863-01 | Eligible Project Cost : $798,277
FY89 RANK : 280.0
County : BERGEN | Total State Amount : $798,277

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
SUBTOTAL		1
Population		.01800
TOTAL POINTS		1.01800

Project Name, Number

Elmwood Park, Borough of
C340863-01
Infiltration/Inflow Correction

Priority List Rank

280

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 : STONY BROOK REG SA

Project No. : 340400-03 Eligible Project Cost : $475,969
FY89 RANK : 281.0
County : MERCER Total State Amount : $475,969

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.01712
	TOTAL POINTS	1.01712

Project Name, Number | Priority List Rank

Stony Brook Regional Sewerage Authority | 281
C340400-03
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 OF

Project No. : 340884-01 Eligible Project Cost : $1,818,150
FY89 RANK : 282.0
County : MONMOUTH Total State Amount : $1,818,150

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.01701
	TOTAL POINTS	1.01701

Project Name, Number

Asbury Park City
C340884-01
Sewer System Rehabilitation

Priority List Rank

282

County

Monmouth

Service Area

Asbury Park City

Existing Population

16,247

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 OF

Project No. : 340376-04 Eligible Project Cost : $5,586,529
FY89 RANK : 283.0
County : MORRIS Total State Amount : $5,586,529

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.01679
	TOTAL POINTS	1.01679

Project Name, Number

Priority List Rank

Town of Morristown
C340376-04
Infiltration/Inflow Correction

283

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 : OCEAN CITY

Project No.	: 340730-01	Eligible Project Cost	:	$47,307
FY89 RANK	: 284.0			
County	: CAPE MAY	Total State Amount	:	$47,307

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.01549
	TOTAL POINTS	1.01549

Project Name, Number

Ocean City
C340730-01
Infiltration/Inflow Correction

Priority List Rank

284

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 excessive infiltration/inflow (I/I).

Project Description

The I/I correction of Ocean City's sanitary sewer system includes the sealing, repair, or replacement of defective pipes, manholes and lateral connections. The proposed rehabilitation project will not have an appreciable effect on the ability of the Ocean City treatment plant to meet the established effluent limitations.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : WARREN CO LOPAT SA

Project No. : 340580-04 Eligible Project Cost : $2,170,276
FY89 RANK : 285.0
County : WARREN Total State Amount : $2,170,276

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.01542
	TOTAL POINTS	1.01542

Project Name, Number

Priority List Rank

Warren County - Lopatcong Creek
C340580-04
Infiltration/Inflow Correction-
Overflow

285

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 corss 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 : PEQUANNOCK RIVER BASIN RSA

Project No. : 340779-02 Eligible Project Cost : $1,193,405
FY89 RANK : 286.0
County : PASSAIC Total State Amount : $1,193,405

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.01536
	TOTAL POINTS	1.01536

Project Name, Number

Priority List Rank

Pequannock River Basin Regional S.A.
C340779-02
Infiltration/Inflow Correction

286

County

Passaic

Service Area

Butler, Bloomingdale

Existing Population

15,364

Need for Project

An Infiltration/Inflow analysis and sewer system evaluation survey have concluded that excessive I/I exists within the regional sewer system. However, the excessive I/I would have no significant effect on the operation of the proposed STP.

Project Description

The proposed project will be for the I/I correction of the existing sanitary sewer system. The project would include internal pressure grouting of sewers, joints, raising and resetting of manhole frames, and replacement of manhole covers.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : BERNARDS TOWNSHIP

Project No.	: 340382-03	Eligible Project Cost	:	$408,308
FY89 RANK	: 287.0			
County	: SOMERSET	Total State Amount	:	$408,308

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.01530
	TOTAL POINTS	1.01530

Project Name, Number

Bernards Township
C340382-03
Infiltration/Inflow Correction

Priority List Rank

287

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 : DOVER, TOWN OF

Project No. : 340889-01 Eligible Project Cost : $806,723
FY89 RANK : 288.0
County : MORRIS Total State Amount : $806,723

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.01441
	TOTAL POINTS	1.01441

Project Name, Number

Town of Dover
C340889-01
Infiltration/Inflow

Priority List Rank

288

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 : PLEASANTVILLE, CITY OF

Project No. : 340752-01 Eligible Project Cost : $137,271
FY89 RANK : 289.0
County : ATLANTIC Total State Amount : $137,271

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.01437
	TOTAL POINTS	1.01437

Project Name, Number	Priority List Rank
City of Pleasantville C340752-01 Infiltration/Inflow Correction	289

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 OF

Project No. : 340533-04 Eligible Project Cost : $1,268,300
FY89 RANK : 290.0
County : ESSEX Total State Amount : $1,268,300

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.01415
	TOTAL POINTS	1.01415

Project Name, Number

Verona, Borough of
C340533-04
Infiltration/Inflow Correction

Priority List Rank

290

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 OF

Project No. : 340855-01 Eligible Project Cost : $1,307,637
FY89 RANK : 291.0
County : UNION Total State Amount : $1,307,637

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.01409
	TOTAL POINTS	1.01409

Project Name, Number

Township of Springfield
C340855-01
Infiltration/Inflow Correction

Priority List Rank

291

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 : BERKELEY HEIGHTS TOWNSHIP

Project No. : 340385-02 Eligible Project Cost : $371,426
FY89 RANK : 292.0
County : UNION Total State Amount : $371,426

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.01279
	TOTAL POINTS	1.01279

Project Name, Number

Priority List Rank

Berkeley Heights Twp.
C340385-02
Infiltration/Inflow Correction

292

County

Union

Service Area

Berkeley Heights

Existing Population

12,787

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 is for the I/I correction of the existing sewer system. The project involves internal pressure grouting of sewer joints, manholes, raising, resetting and/or replacement of manhole covers.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : CEDAR GROVE, TWP. OF

Project No. : 340717-05 Eligible Project Cost : $365,727
FY89 RANK : 293.0
County : ESSEX Total State Amount : $365,727

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.01262
	TOTAL POINTS	1.01262

Project Name, Number

Priority List Rank

Cedar Grove, Township of
C340717-05
Infiltration/Inflow Correction

293

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 : $39,617
FY89 RANK : 294.0
County : MORRIS Total State Amount : $39,617

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.01260
	TOTAL POINTS	1.01260

Project Name, Number

Parsippany-Troy Hills
C340766-02
Infiltration/Inflow Correction

Priority List Rank

294

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 : LITTLE FALLS TWP.

Project No. : 340716-04 Eligible Project Cost : $425,650
FY89 RANK : 295.0
County : PASSAIC Total State Amount : $425,650

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.01222
	TOTAL POINTS	1.01222

Project Name, Number

Priority List Rank

Little Falls Township
C340716-04
Infiltration/Inflow Correction

295

County

Passaic

Service Area

Township of Little Falls

Existing Population

12,215

Need for Project

An Infiltration/Inflow (I/I) analysis has concluded that the Township's sewer system exhibits excessive I/I. Additional studies will be required to further define the quantity of excessive I/I to be removed and to propose an I/I correction program.

Project Description

This proposed project will be for 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 : $1,152,554
FY89 RANK : 296.0
County : MORRIS Total State Amount : $1,152,554

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
SUBTOTAL		1
Population		.01210
TOTAL POINTS		1.01210

Project Name, Number

Township of Roxbury
C340381-05
Infiltration/Inflow Correction

Priority List Rank

296

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 : VENTNOR CITY

Project No. : 340667-01 Eligible Project Cost : $1,530,315
FY89 RANK : 297.0
County : ATLANTIC Total State Amount : $1,530,315

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.01175
	TOTAL POINTS	1.01175

Project Name, Number

Priority List Rank

Ventnor City
C340667-01
Infiltration/Inflow Correction

297

County

Atlantic County

Service Area

The service area includes the area that lies within the city limits of the City of Ventnor. This community occupies a portion of Absecon Island between Atlantic City on the north and Margate on the south.

Existing Population

The City of Ventnor has a permanent population of 11,749 and a summer population of 23,400.

Need for Project

The wastewater collection system consists of approximately 165,000 linear feet of pipe ranging in diameter from 6" to 30". The flow is directed to the Ventnor/Margate regional pumping station for transport to the Atlantic County Utilities Authority coastal region wastewater treatment facility. The sewer system of Ventnor City is subject to an average of 1,009,750 gpd of infiltration. This is from a total of 116,000 linear feet of pipe.

Project Description

The project entails I/I correction of the sewer system of Ventnor City.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : TOTOWA-WEST PATERSON SA (W. PATERSON)

Project No.	: 340778-02	Eligible Project Cost	: $2,170,000
FY89 RANK	: 298.0		
County	: PASSAIC	Total State Amount	: $2,170,000

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.01142
	TOTAL POINTS	1.01142

Project Name, Number | Priority List Rank

Totowa - West Paterson SA (West Paterson) 298
C340778-02
Infiltration/Inflow Correction

County

Passaic

Service Area

Borough of West Paterson

Existing Population

11,417

Need for Project

The Township's sewer system is exhibiting excessive infiltration/ inflow (I/I) as documented by the I/I analysis. Additional studies will estimate the quantity of I/I in the system and propose an I/I correction program to correct hydraulic overloading of the plant.

Project Description

This project is for the I/I correction of West Paterson's existing sewer system to eliminate the portion of infiltration/inflow that is excessive. This project will be for the major rehabilitation of sections of sanitary sewer pipe including grouting, sealing, and pipe replacement, and repair of defective manholes.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : TOTOWA-WEST PATERSON SA (TOTOWA)

Project No. : 340778-01 Eligible Project Cost : $799,185
FY89 RANK : 299.0
County : PASSAIC Total State Amount : $799,185

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.01119
	TOTAL POINTS	1.01119

Project Name, Number	Priority List Rank
Totowa-West Paterson SA (Totowa) C340778-01 Infiltration/Inflow Correction	299

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 OF

Project No. : 340862-01 Eligible Project Cost : $4,185,540
FY89 RANK : 300.0
County : BERGEN Total State Amount : $4,185,540

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.01092
	TOTAL POINTS	1.01092

Project Name, Number

Westwood, Borough of
C340862-01
Infiltration/Inflow Correction

Priority List Rank

300

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 OF

Project No. : 340841-01 Eligible Project Cost : $384,420
FY89 RANK : 301.0
County : BERGEN Total State Amount : $384,420

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.01064
	TOTAL POINTS	1.01064

Project Name, Number

River Edge, Borough of
C340841-01
Infiltration/Inflow Correction

Priority List Rank

301

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 : SOMERS POINT CITY

Project No. : 340618-01 Eligible Project Cost : $78,664
FY89 RANK : 302.0
County : ATLANTIC Total State Amount : $78,664

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.01063
	TOTAL POINTS	1.01063

Project Name, Number

Priority List Rank

Somers Point City
C340618-01
Infiltration/Inflow Correction

302

County

Atlantic

Service Area

The service area includes the region that lies within the city limits of Somers Point. The area is in the eastern coastal portion of Atlantic County on the mainland just south of the City of Linwood adjacent to Great Egg Harbor Bay.

Existing Population

10,643 (Year Round)
12,850 (Summer)

Need for Project

Based upon existing studies, the sewer system of Somers is subject to excessive infiltration.

Project Description

This project entails the I/I correction of the sewer system of Somers Point City.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : WANAQUE VALLEY REG SA

Project No. : 340780-02 Eligible Project Cost : $636,090
FY89 RANK : 303.0
County : PASSAIC Total State Amount : $636,090

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	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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.01058
	TOTAL POINTS	1.01058

Project Name, Number

Priority List Rank

Wanaque Valley Regional S.A.
C340780-02
Infiltration/Inflow Correction

303

County

Passaic

Service Area

Wanaque Borough

Existing Population

10,579

Need for Project

An Infiltration/Inflow (I/I) analysis has been completed which documents the existence of excessive I/I within the service area (Haskell service area). Additional studies are underway to further define the quantity of excessive I/I and to propose an I/I correction program.

Project Description

This proposed project will consist of I/I correction work to remove a portion of the excessive I/I in Haskell Sewerage System in Wanaque Borough. This work includes internal grouting of sewer joints, manholes, raising, resetting and/or replacement of manhole covers.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : SAYREVILLE, BOROUGH OF

Project No. : 340326-04 Eligible Project Cost : $205,194
FY89 RANK : 304.0
County : MIDDLESEX Total State Amount : $205,194

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.01050
	TOTAL POINTS	1.01050

Project Name, Number

Priority List Rank

Borough of Sayreville
C340326-04
Infiltration/Inflow Correction

304

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 OF

Project No. : 340517-01 Eligible Project Cost : $1,274,202
FY89 RANK : 305.0
County : BERGEN Total State Amount : $1,274,202

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.01034
	TOTAL POINTS	1.01034

Project Name, Number

Fairview, Borough of
C340517-01
Infiltration/Inflow Correction

Priority List Rank

305

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 : POMPTON LAKES MUA

Project No. : 340636-05 | Eligible Project Cost : $1,769,880
FY89 RANK : 306.0
County : PASSAIC | Total State Amount : $1,769,880

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.01000
	TOTAL POINTS	1.01000

Project Name, Number

Priority List Rank

Pompton Lakes Municipal U.A.
C340636-05
Infiltration/Inflow Correction

306

County

Passaic

Service Area

Borough of Pompton Lakes

Existing Population

10,995

Need for Project

Project is needed to eliminate excess flow caused by Infiltration/ Inflow (I/I) into the collection system, and relieve the treatment plant of excessive loading. The I/I analysis is not yet complete.

Project Description

This project will be for the minor rehabilitation of sections of sanitary sewer pipe including grouting of sewer lines, grouting and sealing leaking manholes, and repair or ajustments of defective manholes. This project is in the planning stage.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : BRIGANTINE, CITY OF

Project No. : 340827-01 Eligible Project Cost : $2,652,840
FY89 RANK : 307.0
County : ATLANTIC Total State Amount : $2,652,840

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.00988
	TOTAL POINTS	1.00988

Project Name, Number

Brigantine City
C340827-01
Infiltration/Inflow Correction

Priority List Rank

307

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 : MARGATE CITY

Project No. : 340666-01 Eligible Project Cost : $727,134
FY89 RANK : 308.0
County : ATLANTIC Total State Amount : $727,134

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
SUBTOTAL		1
Population		.00902
TOTAL POINTS		1.00902

Project Name, Number	Priority List Rank
Margate City C340666-01 Infiltration/Inflow Correction	308

County

Atlantic

Service Area

The service area includes the City of Margate. This seashore resort community occupies a portion of Absecon Island between Ventnor on the north and Longport on the south.

Existing Population

9,015 (year round)
18,350 (summer)

Need for Project

The wastewater collection system consists of approximately 150,000 linear feet of terra-cotta and cast iron pipe. The flow is directed to the Margate/Ventnor regional pumping station for transport to the Atlantic County Utilities Authority coastal region wastewater treatment facility. The sewer system of the City of Margate is subject to an average of 709,750 gpd of infiltration.

Project Description

This project entails the rehabilitation of the Margate City sewer system.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : BRANCHBURG, TOWNSHIP OF

Project No. : 340852-01 Eligible Project Cost : $2,795,364
FY89 RANK : 309.0
County : SOMERSET Total State Amount : $2,795,364

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
SUBTOTAL		1
Population		.00890
TOTAL POINTS		1.00890

Project Name, Number

Branchburg Township
Infiltration/Inflow
C340852-01

Priority List Rank

309

County

Somerset

Service Area

Branchburg Township

Existing Population

8,899

Need for Project

The joint Bridgewater/Branchburg trunk line is experiencing a 9:1 wet weather peaking factor which places Branchburg under a Sewer Extension ban and causes downstream trunk sewer surcharging and overflow.

Project Description

The proposed project involves the determination of the extent of Branchburg's infiltration/inflow problem and construction to correct the problem.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : HADDON HEIGHTS, BOROUGH OF

Project No. : 340877-01 Eligible Project Cost : $800,131
FY89 RANK : 310.0
County : CAMDEN Total State Amount : $800,131

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.00820
	TOTAL POINTS	1.00820

Project Name, Number

Priority List Rank

Borough of Haddon Heights
C340877-01
Infiltration/Inflow Correction

310

County

Camden

Service Area

Borough of Haddon Heights

Existing Population

8,203

Need for Project

The existing collection system in the Borough of Haddon Heights is antiquated and subject to excessive infiltration/inflow (I/I).

Project Description

The existing collection system in the Borough Haddon Heights is antiquated and subject to excessive infiltration/inflow (I/I).

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : BOGOTA, BOROUGH OF

Project No. : 340914-01 Eligible Project Cost : $171,462
FY89 RANK : 311.0
County : BERGEN Total State Amount : $171,462

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.00802
	TOTAL POINTS	1.00802

Project Name, Number

Bogota, Borough of
C340914-01
I/I Correction

Priority List Rank

311

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 OF

Project No. : 340861-01 Eligible Project Cost : $244,252
FY89 RANK : 312.0
County : ESSEX Total State Amount : $244,252

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.00787
	TOTAL POINTS	1.00787

Project Name, Number

Glen Ridge, Borough of
C340861-01
Infiltration/Inflow Correction

Priority List Rank

312

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 OF

Project No. : 340326-06 Eligible Project Cost : $205,194
FY89 RANK : 313.0
County : MIDDLESEX Total State Amount : $205,194

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.00784
	TOTAL POINTS	1.00784

Project Name, Number

City of South Amboy
C340326-06
Infiltration/Inflow Correction

Priority List Rank

313

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 : PASSAIC TWP

Project No. : 340404-04 Eligible Project Cost : $757,000
FY89 RANK : 314.0
County : MORRIS Total State Amount : $757,000

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.00764
	TOTAL POINTS	1.00764

Project Name, Number

Passaic Township
C340404-04
Infiltration/Inflow Correction

Priority List Rank

314

County

Morris

Service Area

Passaic Township

Existing Population

7,644

Need for Project

The project will eliminate excessive I/I within the service area and prevent further groundwater contamination.

Project Description

The proposed project will eliminate excessive I/I in the service area's sewer system.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : NEWTON TOWN

Project No. : 340407-01 Eligible Project Cost : $1,301,450
FY89 RANK : 315.0
County : SUSSEX Total State Amount : $1,301,450

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.00754
	TOTAL POINTS	1.00754

Project Name, Number

Priority List Rank

Newton Town
C340407-01
Infiltration/Inflow Correction

315

County

Sussex

Service Area

The service area consists exclusively of the Town of Newton. The Town of Newton presently owns, operates, and maintains the only existing collection system and treatment works project within the Paulinskill study area.

Existing Population

7,535

Need for Project

The Sussex County MUA has prepared a 201 Facilities Plan (C340449-01) for the Paulinskill River Basin (Phase I - Newton Area) evaluating the present and future needs for adequate wastewater treatment and disposal. To fulfill Federal requirements, an infiltration/inflow (I/I) study and an initial phase of the Sewer System Evaluation Survey (SSES) were performed on the Town of Newton sewage collection system. Pending the final SSES report, substantial rehabilitation is proposed for nearly one-third of the existing system.

Project Description

The final phase of the Sewer System Evaluation Survey will refine the previous recommendations for rehabilitation of the Town of Newton collection system. As proven by the I/I and SSES reports, it will be most cost-effective to implement the rehabilitation recommendations and eliminate the excessive flow from the system, rather than transporting and treating the identified infiltration and inflow. Grouting and repair of leaky manholes and sewer lines are among the standard rehabilitation measures proposed for this project. In addition, to satisfy future flow conditions and complement the expansion and upgrading of the Newton STP, improvements will be made to the Sparta Avenue Pump Station, force main, and a portion of their gravity sewers. The wet well/dry well pump station will be replaced with a larger capacity submersible pump station. The 8-inch force main will be replaced with a 10-inch force main. The gravity sewers will be replaced to handle increased flow, which may involve altering the present slope of the sewers.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : MONTVALE, BOROUGH OF

Project No. : 340846-01 Eligible Project Cost : $88,158
FY89 RANK : 316.0
County : BERGEN Total State Amount : $88,158

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.00753
	TOTAL POINTS	1.00753

Project Name, Number

Montvale, Borough of
C340846-01
Infiltration/Inflow Corrrection

Priority List Rank

316

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 : BERNARDSVILLE BOROUGH

Project No. : 340816-03 Eligible Project Cost : $872,086
FY89 RANK : 317.0
County : SOMERSET Total State Amount : $872,086

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.00668
	TOTAL POINTS	1.00668

Project Name, Number

Priority List Rank

Bernardsville Borough
C340816-03
Infiltration/Inflow Correction

317

County

Somerset

Service Area

Borough of Bernardsville

Existing Population

6,675

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 OF

Project No. : 340916-01 Eligible Project Cost : $3,449,999
FY89 RANK : 318.0
County : MIDDLESEX Total State Amount : $3,449,999

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.00640
	TOTAL POINTS	1.00640

Project Name, Number

Dunellen, Borough of
C340916-01
I/I Correction

Priority List Rank

318

County

Middlesex

Service Area

Borough of Dunellen

Existing Population

6,400

Need for Project

The majority of the sewer system in the Borough was installed in 1915 and consists of vitrified clay (terra cotta) pipe and brick manholes. The Borough of Dunellen has been experiencing the back-up of raw sewage into private homes and surcharging of manholes caused by blockages in the sewer system. A 1983 report prepared by the Middlesex County Utilities Authority concluded that the sewer system was subject to excessvie I/I. Additional studies are needed to eliminate this excessive I/I.

Project Description

The proposed project involves the rehabilitation of the sewer system to remove excessive I/I. Work to be performed includes sewer line replacement, sliplining, inversion lining, grouting, sealing, and the repair of defective manholes.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : POINT PLEASANT BEACH, BOROUGH OF

Project No. : 340479-02 Eligible Project Cost : $1,370,880
FY89 RANK : 319.0
County : OCEAN Total State Amount : $1,370,880

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.00552
	TOTAL POINTS	1.00552

Project Name, Number	Priority List Rank
Borough of Point Pleasant Beach C340479-02 Infiltration/Inflow Corrrection	319

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	:	$141,520
FY89 RANK	: 320.0			
County	: MONMOUTH	Total State Amount	:	$141,520

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.00537
	TOTAL POINTS	1.00537

Project Name, Number

Spring Lakes Heights Borough
C340840-01
Infiltration/Inflow Correction

Priority List Rank

320

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 OF

Project No. : 340911-01 Eligible Project Cost : $2,563,990
FY89 RANK : 321.0
County : MONMOUTH Total State Amount : $2,563,990

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.00534
	TOTAL POINTS	1.00534

Project Name, Number

Borough of Manasquan
C340911-01
I/I Correction

Priority List Rank

321

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 terracotta 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 of high groundwater.

Project Description

Ten percent of the borough's sanitary sewer collection system will require infiltration/inflow correction. The work represents a total length of 7,900 linear feet of sanitary sewer replacement.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : HIGHLANDS, BOROUGH OF

Project No. : 340901-01 Eligible Project Cost : $776,356
FY89 RANK : 322.0
County : MONMOUTH Total State Amount : $776,356

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.00519
	TOTAL POINTS	1.00519

Project Name, Number

Highlands Borough
C340901-01

Priority List Rank

322

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 : WILDWOOD CITY

Project No. : 340664-01 Eligible Project Cost : $484,458
FY89 RANK : 323.0
County : CAPE MAY Total State Amount : $484,458

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.00504
	TOTAL POINTS	1.00504

Project Name, Number	Priority List Rank
Wildwood City C340664-01 Infiltration/Inflow Correction	323

County

Cape May

Service Area

Wildwood City

Existing Population

5,046
74,754 (Summer Peak)

Need for Project

The Wildwood City sewer collection system is subject to excessive amounts of infiltration/inflow.

Project Description

Rehabilitation tasks proposed to alleviate the excessive I/I include: cleaning and inspection, repair or replacement of damaged or deteriorated sewer pipes, manholes and house connections.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : WILDWOOD CREST BOROUGH

Project No. : 340719-01 Eligible Project Cost : $217,578
FY89 RANK : 324.0
County : CAPE MAY Total State Amount : $217,578

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.00422
	TOTAL POINTS	1.00422

Project Name, Number

Priority List Rank

Wildwood Crest Borough
C340719-01
Infiltration/Inflow Corrections

324

County

Cape May

Service Area

Wildwood Crest Borough

Existing Population

4,228
44,562 (Summer Peak)

Need for Project

The Wildwood Crest sewer collection system is subject to excessive amounts of infiltration/inflow. The system was constructed prior to 1926 and consists of clay and asbestos-cement sewer lines. Sand intrusion due to joint separation restricts flow between 25 and 40 percent of the pipe diameter. Joint separation problems are evidenced in the street surface, which has cracked and subsided where joints have moved.

Project Description

Tasks included in the proposed rehabilitation which will alleviate the excessive I/I include: cleaning and inspection, repair or replacement of damaged or deteriorated sewer pipes, manholes and house laterals.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : HIGH BRIDGE, BOROUGH OF

Project No. : 340842-01 Eligible Project Cost : $303,927
FY89 RANK : 325.0
County : HUNTERDON Total State Amount : $303,927

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.00377
	TOTAL POINTS	1.00377

Project Name, Number

High Bridge Borough
C340842-01
Infiltration/Inflow Correction

Priority List Rank

325

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 OF

Project No. : 340504-02 Eligible Project Cost : $350,852
FY89 RANK : 326.0
County : SUSSEX Total State Amount : $350,852

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
SUBTOTAL		1
Population		.00370
TOTAL POINTS		1.00370

Project Name, Number

Stanhope Borough
C340504-02
Infiltration/Inflow Correction

Priority List Rank

326

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 : SEA ISLE CITY

Project No. : 340659-01 Eligible Project Cost : $568,886
FY89 RANK : 327.0
County : CAPE MAY Total State Amount : $568,886

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.00295
	TOTAL POINTS	1.00295

Project Name, Number

Priority List Rank

Sea Isle City
C340659-01
Infiltration/Inflow Correction - Overflow

327

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 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, manholes and house laterals.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : WOODLYNNE, BOROUGH OF

Project No. : 340849-01 Eligible Project Cost : $2,124,976
FY89 RANK : 328.0
County : CAMDEN Total State Amount : $2,124,976

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction--Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.00258
	TOTAL POINTS	1.00258

Project Name, Number

Borough of Woodlynne
C340849-01
Infiltration/Inflow Correction

Priority List Rank

328

County

Camden

Service Area

Borough of Woodlynne

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) to the system is excessive.

Project Description

The project consists of I/I correction of the sewer system to remove the excessive I/I.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : AVALON, BOROUGH OF

Project No. : 340864-01 Eligible Project Cost : $1,048,266
FY89 RANK : 329.0
County : CAPE MAY Total State Amount : $1,048,266

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.00238
	TOTAL POINTS	1.00238

Project Name, Number

Borough of Avalon
C340864-01
I/I Correction

Priority List Rank

329

County

Cape May

Service Area

Avalon Borough

Existing Population

2,382
35,000 (Summer)

Need for Project

Suspected infiltration/inflow sources during the winter and summer periods are creating an excessive strain on the existing wastewater treatment facilities and has greatly attributed to the Borough's non-compliance with its wastewater discharge permit during certain periods. During the winter period the average wastewater flow metered at the plant is approximately 1.0 to 1.4 MGD. With the winter population being 2,382 the per capita flow is greatly in excess of the 120 GPCD considered potentially excessive by EPA guidelines.

Project Description

The Borough proposes to undertake an I/I correction program which would include further investigation and verification of the existing I/I study, followed by rehabilitation. Rehabilitation methods include pipeline replacement, internal grouting, lining, manhole repair, manhole cover replacement, vent and cleanout repair and replacements, and rehabilitation of two of the Borough's pump stations.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : PEAPACK & GLADSTONE BOROUGH

Project No. : 340822-01 Eligible Project Cost : $103,646
FY89 RANK : 330.0
County : SOMERSET Total State Amount : $103,646

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.00212
	TOTAL POINTS	1.00212

Project Name, Number

Priority List Rank

Borough of Peapack-Gladstone
C340822-01
Infiltration/Inflow Correction

330

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 : CLINTON TWP SEWERAGE AUTHORITY

Project No. : 340873-01 Eligible Project Cost : $147,182
FY89 RANK : 331.0
County : HUNTERDON Total State Amount : $147,182

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
SUBTOTAL		1
Population		.00188
TOTAL POINTS		1.00188

Project Name, Number

Priority List Rank

Clinton Township Sewerage Authority
C340873-01
Infiltration/Inflow Correction

331

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 that impact tributaries of the South Branch Raritan River in the Clinton area (Classification FW2-TM).

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 OF

Project No. : 340412-08 Eligible Project Cost : $1,085,170
FY89 RANK : 332.0
County : MONMOUTH Total State Amount : $1,085,170

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.00185
	TOTAL POINTS	1.00185

Project Name, Number

Borough of Deal
C340412-08
Infiltration/Inflow Correction

Priority List Rank

332

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 OF

Project No. : 340848-01 Eligible Project Cost : $203,137
FY89 RANK : 333.0
County : HUDSON Total State Amount : $203,137

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.00183
	TOTAL POINTS	1.00183

Project Name, Number

East Newark, Borough of
C340848-01
Infiltration/Inflow Correction

Priority List Rank

333

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 : ISLAND HEIGHTS, BOROUGH OF

Project No. : 340907-01 Eligible Project Cost : $376,057
FY89 RANK : 334.0
County : OCEAN Total State Amount : $376,057

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.00161
	TOTAL POINTS	1.00161

Project Name, Number

Priority List Rank

Borough of Island Heights
C340907-01

334

County

Ocean

Service Area

Township of Dover (portion)

Existing Population

1,608

Need for Project

The Borough is currently faced with numerous problems associated with its aging sewer system. Most of the collection system is comprised of asbestos cement and vitrified clay pipe. During the past several years, the sewer pipes have been clogged with roots and have collapsed in certain areas. Sewer pipe rehabilitation/replacement will serve to minimize ground water degradation due to system leaks and also minimize potential health and safety hazards caused by system collapse.

Project Description

There are approximately 47,000 L.F. of existing sewer of which 2,350 L.F. needs correction for leakage and 4,700 L.F. for major rehabilitation.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : EGG HARBOR TWP. MUA

Project No. : 340753-01 Eligible Project Cost : $97,387
FY89 RANK : 335.0
County : ATLANTIC Total State Amount : $97,387

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.00150
	TOTAL POINTS	1.00150

Project Name, Number

Priority List Rank

Egg Harbor Township MUA
C340753-01
Infiltration/Inflow Correction

335

County

Atlantic

Service Area

The service area includes part of the Township of Egg Harbor. This area is located in the eastern portion of Atlantic County on the mainland. Only 5 to 10 percent of the township is serviced by a collection system. This area lies in the far eastern section adjacent to the Borough of Northfield.

Existing Population

1,250 (year round)
1,500 (summer)

Need for Project

The system serving the sewered portion of Egg Harbor Township consists of approximately 25,000 linear feet of terra cotta pipe. There is an infiltration problem that allows an average total of 175,400 gpd of infiltration. This problem affects a total of 12,912 linear feet of the system.

Project Description

This project entails the I/I correction of the sewer system in the far eastern portion of Egg Harbor Township directly adjacent to Northfield Borough.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : BAY HEAD BOROUGH

Project No. : 340590-02 Eligible Project Cost : $148,912
FY89 RANK : 336.0
County : OCEAN Total State Amount : $148,912

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.00134
	TOTAL POINTS	1.00134

Project Name, Number

Priority List Rank

Bay Head Borough
C340590-02
Infiltration/Inflow Correction

336

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 joings, 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.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : STONE HARBOR BOROUGH

Project No. : 340722-01 Eligible Project Cost : $217,196
FY89 RANK : 337.0
County : CAPE MAY Total State Amount : $217,196

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.00128
	TOTAL POINTS	1.00128

Project Name, Number

Priority List Rank

Stone Harbor Borough
C340722-01
Infiltration/Inflow Correction

337

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 for the purpose of reducing the excessive I/I being contributed to the existing plant.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : LONGPORT BOROUGH

Project No. : 340665-01 Eligible Project Cost : $202,500
FY89 RANK : 338.0
County : ATLANTIC Total State Amount : $202,500

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.00124
	TOTAL POINTS	1.00124

Project Name, Number

Longport Borough
C340665-01
Infiltration/Inflow Correction

Priority List Rank

338

County

Atlantic

Service Area

The service area includes the area that lies within the Borough of Longport. This coastal resort community occupies the southern portion of Absecon Island in Atlantic County.

Existing Population

1,243 (year round)
6,000 (summer)

Need for Project

It was found through the SSES investigation that the sewer system of Longport is subject to excessive infiltration.

Project Description

The project entails the I/I correction of the Longport sanitary sewer system.

WORKSHEET - PRIORITY RANKING

Anticipated Recipient : MIDDLE TWP (CAPE MAY COURT HOUSE)

Project No. : 340691-05 Eligible Project Cost : $559,427
FY89 RANK : 339.0
County : CAPE MAY Total State Amount : $559,427

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.00053
	TOTAL POINTS	1.00053

Project Name, Number | Priority List Rank

Middle Township (Cape May Court House) | 339
C340691-05
Infiltration/Inflow Correction

County

Cape May

Service Area

Cape May Court House Section of Middle Township

Existing Population

535
2,087 (summer peak)

Need for Project

Cape May Court House is served by a terra-cotta sanitary sewer collection system which was constructed in 1938 and is badly in need of repair.

Project Description

Tasks included in the proposed minor rehabilitation are as follows: sealing of manhole covers and the cover-frames; repair or replacement of damaged or misaligned covers and/or frames; chemically sealing the interior and/or exterior of the manhole walls; replacement of manholes; sealing of vents and cleanouts; chemical sealing; repair and/or replacement of sewer pipe and severing and repiping cross-connected storm drains.

WORKSHEET - PRIORITY RANKING

Anticipated
Recipient : WEST WILDWOOD BOROUGH

Project No. : 340626-03 Eligible Project Cost : $479,261
FY89 RANK : 340.0
County : CAPE MAY Total State Amount : $479,261

I. SEGMENT POINTS

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
Primary Discharge	500	0
I/I Correction-Overflow	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
Advanced Treatment	1	0
I/I Correction	1	1
	SUBTOTAL	1
	Population	.00037
	TOTAL POINTS	1.00037

Project Name, Number

West Wildwood Borough
C340626-03
Infiltration/Inflow Correction

Priority List Rank

340

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 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. This project should alleviate the existing I/I problems in the area.

RESPONSIVENESS SUMMARY

RESPONSIVENESS SUMMARY FOR JULY 13 AND 15, 1988
PUBLIC HEARINGS ADDRESSING THE PROPOSED FEDERAL
FY89 PRIORITY SYSTEM, INTENDED USE PLAN AND PROJECT PRIORITY LIST

Public Participation Activity Purpose

On July 13 at 10:30 a.m., and July 15 at 10:00 a.m. the New Jersey Department of Environmental Protection (Department) held two (2) public hearings, at the Wayne Township Muncipal Building and Lebanon State Forest, respectively. The purpose of the hearings was to solicit comments on the Department's Proposed Priority System, Intended Use Plan and Project Priority List for the use of approximately $97.76 million in federal monies authorized under the Water Quality Act of 1987 to the State in Federal Fiscal Year 1989 (FFY89).

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 utilizing State Revolving Fund (SRF) monies (which includes the federal SRF capitalization grant and the required 20 percent State match) and State-only or non-SRF monies (to the extent sufficient non-SRF funds are available). 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 FFY89 and State loans in State Fiscal Year 1990 (SFY90). Only those projects whose sponsor indicated their intent to comply with the project document submittal deadlines identified in the Proposed FFY89 Priority System, Intended Use Plan and Project Priority List are eligible to receive State loans in SFY90. 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 SFY90. Grant and loan increases will also be awarded in FFY89 and SFY90, respectively, 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) for use in the State's Wastewater Treatment Financing Program. New Jersey intends to use up to 100 percent (the maximum amount permitted under the Water Quality Act of 1987) of the FFY89 allotment for State Revolving purposes in SFY90. The remaining portion of the FFY89 allotment shall be placed in various reserve funds established by the State under previous priority systems (such as the Reserve Funds for Grant Increases, Innovative/Alternative Technology, etc.).

Public Participation Process

The Clean Water Act and its amendments require the U. S. Environmental Protection Agency (USEPA) and the states to provide for and encourage public participation in the Construction Grants Program and the federally-supported State Revolving Fund (SRF) Program (i.e., in New Jersey, a component of the Wastewater Treatment Financing Program). In accordance with the federal regulations, 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 Proposed FFY89 Priority System, Intended Use Plan and Priority List, the Department desired extensive involvement with the public.

Public notice of the July 13 and 15, 1988 hearings consisted of a two part mailing to municipalities, consulting engineers, environmental commissions, special interest groups, State legislators, and other interested parties. The first mailing was a May 23, 1988 notice scheduling the hearings and identifying the close of the public comment period (July 22, 1988).

The second notice, on June 13, 1988, included the Proposed FFY89 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 June 13, 1988 notice included a listing of those libraries which received the project narrative/ranking worksheet document.

The May 23, 1988 public notice satisfies the 45 day notice period for public hearings and the June 13, 1988 notification satisfies the 30 day requirement for availability of relevant documents for the public's review in accordance with applicable federal regulations.

The sessions of the public hearing were chaired by Nicholas G. Binder, P.E., Assistant Director, Municipal Wastewater Assistance Element, who presented information relevant to the Proposed FFY89 Priority System, Intended Use Plan and List. 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. Transcripts of the hearings are 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 Division of Water Resources in Trenton upon request.

Proposed FFY89 Priority System, Intended Use Plan and Project Priority List

The Priority System continues to place primary emphasis on the water quality benefits, as reflected in the ranking point assignments for given categories, that would be achieved through construction of the listed projects. As in FFY82/83 through FFY88, eligible project costs continue to be limited based on the low responsive and responsible contractor's bid building cost. Federal grant increases will be awarded in FFY89 at the 55 percent funding level (and appropriate I/A bonus) for eligible project costs based on the low bid building cost.

The Priority System/Intended Use Plan/Project Priority List package not only addresses the federal grant program, but also 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" these 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. In September 1987, projects totalling over $235 million in loans were certified by the Department and the Trust. The Intended Use Plan details New Jersey's intent to enter into SRF capitalization grant agreements with the United States Environmental Protection Agency (USEPA) to provide additional capital to the Fund and continue the progress made in SFY88 in addressing the State's water quality deficiencies.

The financial policies of the Wastewater Treatment Financing Program have been finalized, concluding, for the best interest of New Jersey, that the Trust and the Fund shall 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 be set at approximately 50 percent of market value. 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 presently considered eligible under the Federal Construction Grants Program, including collection system, combined sewer overflow and sewer system rehabilitation projects).

SUMMARY OF PUBLIC ISSUES AND RESPONSES

* One commenter questioned the applicability of certain USEPA requirements that must be met for the approval of funding through the State Wastewater Treatment Financing Program since the projects are essentially paid for by the project sponsors. It was suggested that to solve the problem of burdensome federal regulations, the Department might consider not utilizing federal funds.

  The Water Quality Act of 1987, which authorized funds for the establishment and implementation of State Revolving Fund (SRF) programs, specifically requires the application of at least 16 Construction Grant-type regulations on all SRF projects. Further, USEPA's interpretation of the Act has resulted in additional requirements and limitations on the SRF program as identified in the "Initial Guidance for SRF's". Thus, in order for the State to receive SRF funds, SRF projects must satisfy the applicable federal requirements as well as State and local requirements. Although some of those federal requirements are burdensome, the significant amount of federal funds authorized to the State under the Act for the SRF program justify their application.

* One commenter objected to the 20 year loan repayment period and suggested that the assessment law be modified to allow for a longer period of repayment. The commenter also questioned why the actual repayment period for the loans administered by the State Wastewater Treatment Financing Program is 17 years rather than 20.

  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 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. Thus, given a 3 year construction period, Trust loan repayments would occur over 17 years. With respect to the SRF requirements which affect both the Fund and Trust loans, the Water Quality Act of 1987 requires that all SRF loan repayments be made within 20 years of the completion of the project. Annually, the Treasury Department evaluates the projected subsidy level of the Fund/Trust loans and determines the appropriate term of the Fund loan for the forthcoming funding cycle. Given today's market conditions, the Treasury Department has determined that a Fund loan term of 20 years would achieve the program's desired subsidy level.

* It was suggested by one commenter that the State of New Jersey, not the federal government, should bear the administrative costs of the Financing Program.

  The State of New Jersey currently provides a significant amount of funds to the Department for administration of the Wastewater Treatment Financing Program, as well as funds to support the activities of the New Jersey Wastewater Treatment Trust. Given the numerous federal requirements applied to SRF programs (i.e., reporting, auditing, accounting, etc.), the Department believes that the use of federal funds for administration of the Construction Grants and SRF programs is not only justified, but essential to the proper functioning of such programs.

* Two commenters suggested that the fines collected for violations of Administrative Consent Orders and Judicial Consent Orders should be held in escrow until the remediation of those violations.

  Under the current statutory structure, the Department cannot utilize funds generated through the collection of fines to provide financial assistance to those communities which violated court sanctioned orders. Given the significant amount of funds involved that could otherwise be available to directly support environmentally beneficial uses of such funds, the Department is further pursuing this concept and would support statutory revisions to allow it.

* One commenter suggested that future consideration be given to the inclusion of points for fresh water fish spawning areas in the ranking methodology of the Project Priority List.

  At this time, the Department cannot support additional points for fish spawning areas. It is believed that the points assigned for fishable water uses under the trout, non-trout and shellfish classifications sufficiently reflect the rank these water uses should receive in comparison to other water uses. Consideration will be given to providing additional points for such areas if it appears warranted in the future.

* Concern was expressed by one commenter about the low priority given to combined sewer overflow problems.

  Although it may appear that combined sewer overflow (CSO) projects do not receive priority in view of their relative position under the project discharge category, those CSO projects which have documented water quality impacts on surface water quality are eligible for additional points under the existing water quality category. Further, as a result of the Marine CSO program under Section 201(n) of the Act, certain New Jersey Marine CSO projects have qualified for a significant amount of funds under said program and have received a large percentage of the CSO funds awarded nationwide.

* One commenter suggested that points for public potable water supplies be awarded for waters of certain rivers that contain diversion for drinking water purposes on reservoirs off-stream.

  The Priority System methodology provides public potable water supply points to projects that have an impact on existing and projected (based on the State Water Supply Master Plan) surface water, public and non-public community surface supply sources or intakes for water companies or municipalities. Rivers containing diversion for drinking water purposes on reservoirs off-stream are evaluated for public potable water supply points on a case by case basis.

* One commenter encouraged the completion of the Great Swamp Wastewater study which would affect the plans for the Chatham Township and Woodland Avenue projects.

  The Municipal Wastewater Assistance Element supports the completion of the Great Swamp Wastewater study and has communicated the commenter's statement to the Planning and Standards Element, which is undertaking the study.

* One commenter asked whether the status of a loan application would be jeopardized if a project sponsor is obligated to award contracts before the loan agreement is consummated.

  The status of the loan application and the allowable project costs applied for thereunder would not be jeopardized provided that the project receives preaward approval from the Municipal Wastewater Assistance Element in accordance with the provisions of N.J.A.C. 7:22-3.32 and 4.32. To receive such approval, all planning and design documents must be approved and all permits and approvals for construction of the project must be obtained. Project sponsors cannot be paid for allowable costs incurred for contracts for building the project which did not receive authorization to advertise and authorization to award the contract from the Municipal Wastewater Assistance Element.

* One commenter asked how the federal cash draw limitations associated with refinancings would affect a project whose construction period is only two years.

  The Initial Guidance for SRF's limits cash draws (i.e., the State's receipt of federal SRF funds) for those project costs which are classified as refinanced project costs by the USEPA to eight equal quarterly payments. Thus, the effects such a limitation would have on a project with a two year construction period would depend upon the magnitude of those costs which are classified a refinancing.

* One commenter asked whether a sponsor should send in a commitment letter for the following funding cycle even though funding is expected in the current cycle.

Yes. Given this year's schedule requiring a commitment by the project sponsor to satisfy the project document submittal schedule by July 22, 1988 and the anticipated certification or conditional certification of the project on July 29, 1988, project sponsors anticipating certification should protect the project's eligibility through the submission of a commitment letter.

* One commenter asked if specific money amounts for new projects must be included with a letter of commitment.

Although revisions to the estimated eligible project costs are not required to be included with a letter of commitment, the Department encourages project sponsors to review those costs represented in the Project Priority List and provide cost updates on the Appendix A forms (as needed).

* One commenter asked whether the Department's preaward approval process has been approved by the USEPA.

On August 4, 1988, the Department submitted its first application to USEPA for SRF Capitalization Grant funds. A component of the application is the Operating Agreement for managing SRF functions. USEPA's execution of the Operating Agreement will evidence their acceptance of the policies and procedures of the Fund/Trust program established by the Department.

* One commenter questioned whether the USEPA has approved the Department's plan for up to 100 percent utilization of federal grant money in the State Revolving Fund Program.

The USEPA's approval of the Department's plan to utilize up to 100 percent of its FFY89 allotment for SRF purposes can only be evidenced through USEPA's approval of the Priority System, Intended Use Plan and Project Priority List. A component of the approval process requires the submittal of this Responsiveness Summary document. Clearly, Section 205(m) of the Water Quality Act of 1987 authorizes states to transfer all Title II monies to SRF programs in FFY89 and FFY90.

* One commenter questioned the necessity of a discharge allocation certificate at the planning stage, and suggested that it be required for the design deadline instead.

In instituting this requirement, the Department and the project sponsor will have agreed upon the applicable final effluent conditions for the project at the time of the submittal of the planning documentation. Thus, a more accurate cost effectiveness and planning analysis can be made during planning and sufficient time is available to insure that the design documents generated properly address the appropriate effluent requirements.

* One commenter, noting that the Carneys Point Township SA project (ranked number three in the FFY89 Priority List) has no certification date assigned to it, requested an update on the project's status.

  The proposed Federal FFY89 Priority List identifies project 340502-02 as one certified for potential State Wastewater Treatment Financing in SFY88. In June 1988, the Carneys Point Township SA entered into loan agreements with the Department of Environmental Protection and the New Jersey Wastewater Treatment Trust for the upgrade of their existing primary treatment plant. The project is currently under construction with a targeted completion date of April 1989.

* One commenter asked if excess grant funds from one 75 percent grant can be transferred to another 75 percent grant to cover increased costs due to change orders.

  As stated in the FFY89 Priority System, grant monies can be transferred between existing 75 percent step 3 grants where there are cost overruns in a grant for construction work with no increase in scope and excess monies in the sponsor's other 75 percent step 3 grant without affecting the funding level. However, such adjustments may be further limited as a result of the federal regulations, effective February 10, 1986, which establish a five percent limit on allowable grant increases for each contract of a project.

* One commenter requested information on the procedure to determine project eligibility for funding before the planning stage of the project is completed.

  Project sponsors are encouraged to arrange pre-planning meetings with the Municipal Wastewater Assistance Element to address any issues regarding project eligibility, programmatic requirements, allowable cost criteria, etc. The purpose for such meetings is to insure that the project sponsor has a clear understanding of the Financing Program and the requirements attached to it.

* One commenter requested information on the eligibility of the Camden County MUA project for funding in SFY89.

  The Camden County MUA project 340708-07 was bypassed for funding in SFY89 since the project was not in a position to get all of the planning information and legal agreements resolved in a timely manner. A commitment letter stating the intent of the project sponsor to meet the project document submittal deadlines for SFY90 has been received by the Department, thereby making the project eligible for funding consideration in SFY90.

* One commenter opposed the proposal to eliminate the grant reobligation/deobligation program unless all monies available for grant reobligations are deobligated and available for reobligation for at least two fiscal years or all grant recipients with available grant funds no longer have any eligible projects.

  While not required to allow such a program, the Department felt that it was appropriate to initially allow the municipality the opportunity to constructively use excess funds. Included first in the FY84 Priority System, the Department indicated in the FY88 Priority System its intent to eliminate the deobligation/reobligation program at the end of FY88. The rationale for the phasing out of the reob/deob program was a direct result of the reduction in federal funds authorized under the Clean Water Act and the significant need to rectify wastewater treatment deficiencies throughout the State. Clearly, the Department has given significant and ample time for municipalities to complete the deob/reob process, and does not believe that any additional extension is necessary or appropriate. Note further that deobligated funds must be reobligated within the same year (regardless of when they become available) or the one following fiscal year or they are lost to the State. In addition, the Department has been mandated by the USEPA to administratively complete all outstanding Step 1, 2 and 3 projects by September 1990.

* One commenter opposed the $1 million limitation on Public Health Hazard (PHH) grant awards. It was suggested that more money be allocated to this reserve and only after it is determined that the money is not needed should it be redirected to the loan financing program.

  The Department has chosen to reserve up to $1 million under the Governor's Discretionary Fund for grant purposes based upon our anticipated need for such funds in FFY89. These monies may be used to provide warranted grant increases due to low bid adjustments to previously funded PHH bypass projects and marine CSO projects. New projects which qualify under the PHH criteria will be eligible for State loans in SFY90 and will receive priority over other projects on the list.

* One commenter objected to the separation of sludge treatment and disposal facilities from wastewater treatment projects. The commenter further objected to the low priority given to sludge treatment and disposal projects and felt that the Department should assume a more aggressive leadership role in dealing with the sludge treatment and disposal needs of wastewater treatment facilities in New Jersey, not only through the funding of such projects, but also through the identification and development of new alternative treatment and disposal techniques.

One of the main objectives of the Clean Water Act is to promote fishable/swimmable qualities in the State's waters. Although sludge treatment and disposal facilities are also important, the Department believes that the Priority System best addresses our overall wastewater treatment needs. In general, the Department divides project scopes into independently operable segments to utilize the limited amount of available monies to address the highest priority water quality inadequacies throughout the State. Often, expensive sludge treatment and disposal systems are affected by such segmentation. The Statewide Sludge Management Plan provides local units with guidance on acceptable approaches to addressing current sludge processing and disposal problems. Additional information can be obtained from the Residuals Management Section at 609-984-4429.

* One commenter requested that excess funds from 75 percent grants be used to cover Innovative and Alternative Technology bonus awards that have not yet been fully funded. In addition, one commenter questioned why the USEPA will not allow funds allocated to New Jersey to be used to cover current I/A funding when New Jersey I/A funding was less than 7-1/2 percent for those years in which the funds were initially allocated.

New Jersey's Reserve for Innovative and Alternative Technologies is set for a particular year's allotment based upon the policies specified in the Priority System. For FFY88 and FFY89, New Jersey recognized the need for additional I/A funds to provide for low-bid adjustments and chose to reserve the full amount (i.e., up to 7-1/2 percent) for I/A bonuses.

The State has questioned USEPA's position on this issue and has been advised that a retroactive revision to the I/A bonus for previous years is unapprovable for various reasons including the fact that it would be inconsistent with the provisions of the applicable year's priority system (which was subject to public hearing/public participation at that time).

* One commenter was concerned that the $5 million reserve for low bid adjustment increases for 65 percent and 55 percent grants may be insufficient to fund prior commitments.

The Department has elected to reserve a minimum of $5 million under the Reserve for Grant Increases based upon our anticipated needs during FFY89.

It is important to note that any requests to provide grant increases for funding based on the low bid building costs must be received by the Municipal Wastewater Assistance Element by July 3, 1989 to be processed under the FFY89 Priority System. Any grant increase applications received after this deadline shall be processed in future fiscal years in conformance with the Priority System provisions in effect at that time.

* One commenter objected to the 1 percent limit on administrative costs and the ineligibility of funding for change orders (low bid limitations).

The Department would ideally like to fully fund all costs related to the construction of wastewater treatment plants under the Construction Grants Program. However, as indicated in the Responsiveness Summaries of previous years, the Department has adopted these variations to the federal program in order to provide the limited funds to a larger number of projects needed in the State. In addition, it is the Department's belief that its policies regarding grant and grant increase awards have led municipalities to better assess their project needs and to reduce the extent of unanticipated project costs (i.e., change orders). The one percent limitation has also been implemented in order to further promote conscientious cost management by grantees for administrative, legal and fiscal costs.

PROJECT SPECIFIC COMMENTS

* The Borough of Riverton has requested to be the project sponsor for the Riverton Borough STP project, 340763-05, currently sponsored by Triboro-Riverton.

  The Project Priority List has been revised to indicate that the Borough of Riverton may sponsor 340763-05. However, prior to receiving approval for funding, the Borough of Riverton must apply for and receive approval for an amendment to the 208 Water Quality Management Plan which currently identifies Triboro-Riverton as the designated agency to undertake said projects.

* Chatham Township (340403-02) has requested additional points for potable water supply, industrial water use, public nuisance (on-site systems only) and nutrients.

  The project will receive 200 additional points for potable water supply and 50 additional points for nutrients; industrial points are not warranted. The proposed project is for the expansion and upgrading of the Township's treatment plant; thus, points for public nuisance (applicable to on-site system projects only) are not appropriate.

* Morris Township has requested to remove project 340748-02 from the Project Priority List and include the scope of work for the sludge treatment facilities into projects 340723-02 and 340724-02. Further, Morris Township requested consideration for an additional 100 points to projects 340723-02 and 340724-02 since their scopes now include sludge treatment facilities to correct problems with unacceptable sludge disposal practices.

  The Department has accepted Morris Township's request to remove project 340748-02 from the Project Priority List and include sludge treatment systems in the scope of projects 340723-02 and 340724-02 (STP projects). However, said projects do not warrant additional points for sludge treatment and disposal facilities under the project discharge priorities category since (1) their scopes include dewatering facilities but do not include sludge disposal facilities and (2) the significant components of the project are the STP improvements to address advanced treatment (AT) requirements.

* West Milford Township MUA has requested that project 340701-03 be combined with a new project consisting of the upgrading of five treatment plants. The MUA has also requested consideration for potable water supply impacts.

Under the Priority System, a project may be subdivided into operable segments. As such, the new project, which included the upgrading of five treatment plants, has been subdivided into five separate projects, and project 340701-03 (new collection and interceptors) will remain a separate project. These projects have been evaluated individually for their impacts on water use/quality and have been ranked accordingly.

* The Town of Morristown (340376-03) has requested additional points for recreation (primary contact), inadequate secondary treatment and sludge disposal/treatment.

  The streams, near the discharge locations of the treatment facilities, are not identified as potential primary recreation areas, either currently or in the near future. Thus, points for recreation (primary contact) are not warranted. The main scope of the project is for upgrading the existing treatment plant which currently meets secondary treatment standards to provide Level 4 treatment. Thus, additional points for inadequate secondary treatment and sludge disposal/treatment are not applicable.

* Egg Harbor City has requested to sponsor project 340518-02, originally sponsored by the Atlantic County Utility Authority.

  The Project Priority List has been revised to indicate that Egg Harbor City may potentially sponsor project 340518-02. However, prior to receiving financial assistance, Egg Harbor City, in conjunction with Atlantic County Utility Authority, must apply for and receive approval for an amendment to the 208 Water Quality Management Plan. Note also that the applicant must have the legal, managerial and financial capability to ensure adequate construction, operation and maintenance of the project.

* The Borough of West Paterson has requested that project 340778-02, currently sponsored by Totowa-West Paterson SA, be renamed as to allow the Borough of West Paterson to potentially sponsor the project.

  The project sponsor for 340778-02 has been redesignated Totowa-West Paterson SA (West Paterson) to potentially allow the Borough of West Paterson to undertake the project. The necessary revisions have been made to the Project Priority List and Project Narrative.

* Camden County MUA has requested that project 340708-07 receive consideration for additional points for I/I correction-overflowing sewers under the project discharge category.

  The frequency and magnitude of the discharges to the Delaware River do not warrant additional points for I/I correction-overflow due to a lack of documented water quality impacts.

* Camden County MUA (340640-04) has requested additional points for potable water supply, freshwater fisheries, agricultural water use, dissolved oxygen, nutrients, toxics and inadequate secondary treatment.

  The additional points requested are not warranted because the receiving waters of the project's discharge is groundwater.

* Passaic Township has requested to be the sole sponsor of projects 340404-02 and 340404-04, currently sponsored by Warren Township/Passaic Township.

  The Department agrees with Passaic Township's request. The necessary revisions have been made to the Project Priority List and Project Narratives.

* Sussex Borough has requested that a new project be included on the Project Priority List.

  After review of this request, it has been determined that the scope of this project is already included under Sussex County project 340573-03. The project sponsor has been redesignated as Sussex County MUA-Lower Wallkill (Sussex Borough) to potentially allow Sussex Borough to undertake this project.

* The scopes of the Camden County MUA projects 340524-05 and 340708-07 have been combined into one project designated 340708-07, and renamed Camden County MUA-District #1 and #2.

* Totowa-West Paterson SA project 340460-02 has been removed from the Project Priority List as there is no longer a need for this project because wastewater flows from West Paterson are now being conveyed to Passaic Valley Sewerage Commission's treatment facilities.

* Woodbridge Township's King Georges Post Road Sanitary Sewer Project has not been added to the Priority List because the project is ineligible for funding under the Priority System.

* The scopes of Pequannock Township's two new projects, 340480-04 and 340480-05, have been revised to conform to Priority System requirements. The scope of 340480-04 consists of correcting wastewater treatment inadequacies at the existing wastewater treatment plant, and the scope of 340480-05 includes two collection systems and an interceptor.

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

Sponsor	Project #	Estimated Project Cost
Bogota Borough	340914-01	$ 171,000
Clayton Sewerage Authority	340918-01	620,000
Clayton Sewerage Authority	340918-02	819,000
Delaware Twp. MUA	340917-01	1,386,000
Dunellen Borough	340916-01	3,450,000
Borough of Hightstown	340915-01	4,025,000
Holmdel Twp.	340919-01	2,407,000
Pequannock Twp.	340480-04	1,305,000
Pequannock Twp.	340480-05	2,770,796
Totowa-West Paterson SA (West Paterson)	340778-03	1,953,000
Warren Twp.	340913-01	7,503,000
West Milford Twp. MUA	340701-04	455,000
West Milford Twp. MUA	340701-05	520,000
West Milford Twp. MUA	340701-06	325,000
West Milford Twp. MUA	340701-07	325,000
West Milford Twp. MUA	340701-08	65,000
Woodbridge Twp.	340433-08	30,000

Many governmental organizations have requested revisions to their respective projects' estimated costs. These changes have been made and are reflected in the final FY89 Priority List.

REVISIONS TO THE PROJECT PRIORITY LIST

Although project specific comments have not been received concerning the following issues, the Department determined that the following revisions would be appropriate.

* The following projects may be removed from the list since they have received certification for funding. Upon the execution of a financial assistance agreement, the Priority List wil be revised accordingly:

Federal Grants:

Gibbsboro, Borough of	340871-01
Montgomery Township	340828-01
Musconetcong SA	340384-03

State loans:

Caldwell, Borough of	340523-03
Cedar Grove, Township of	340717-03
Denville Township	340466-04
East Windsor MUA	340536-03
Livingston, Township of	340785-03
Madison-Chatham Joint Meeting	340715-02
Montville Township MUA	340467-05
Morristown, Town of	340376-03
Newton Town	340407-01
Princeton Sewer Operating Committee	340656-02
Randolph Township MUA	340632-03
Raritan Township MUA	340485-03
Roxbury Township (Lamington)	340381-04
Sussex Co. MUA/Newton	340449-03
Verona, Borough of	340533-03
Warren County - Lopatcong/Phillipsburg	340580-03
Wayne, Township of	340365-05

* After further review of the Project Narrative for the Camden County MUA project 340640-04, it was discovered that 50 points for public nuisance were erroneously awarded. These points have been subtracted and the project has been reranked accordingly.

RESPONDENTS TO THE PROPOSED FEDERAL FISCAL YEAR 1989 PRIORITY SYSTEM INTENDED USE PLAN AND PROJECT PRIORITY LIST

Asbury Park City
Atlantic Highlands Borough
Berlin Township
Borough of Bernardsville
Township of Blairstown
Bogota Borough
Bridgewater Township
Burlington City
Camden County Municipal Utilities Authority
Cape May County Municipal Utilities Authority
Cedar Grove Township
Chatham Township
Clayton Sewerage Authority
Clinton Township Sewerage Authority
Delaware Township Municipal Utilities Authority
Dunellen Borough
Egg Harbor City
Franklin Township Sewerage Authority
Hanover Sewerage Authority
Borough of Hawthorne
Hightstown Borough
Holmdel Township
Hopewell Township
Landis Sewerage Authority
Lower Township Municipal Utilities Authority
Borough of Manville
Montgomery Township
Montville Township Municipal Utilities Authority
Morris Township
Town of Morristown
Mt. Arlington Borough
Musconetcong Sewerage Authority
Oakland Borough
Ocean County Utilities Authority
Passaic Township
Pequannock Township
Pompton Lakes Borough Municipal Utilities Authority
Raritan Borough
Riverton Borough
Roxbury Township
Sayreville Borough
Sussex Borough
Warren Township
Wayne Township
West Milford Township Municipal Utilities Authority
Borough of West Paterson
Woodbridge Township
Borough of Wood-Ridge
Delaware River Basin Commission
Passaic River Coalition
Lee T. Purcell of Lee T. Purcell, Inc. (on behalf of several local government units)