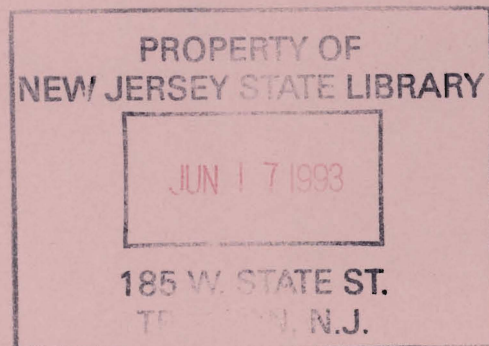




**NEW JERSEY DEPARTMENT OF
ENVIRONMENTAL PROTECTION
AND ENERGY**

**PRIORITY SYSTEM,
INTENDED USE PLAN,
PROJECT PRIORITY LIST
AND RESPONSE DOCUMENT
FOR FEDERAL FISCAL YEAR 1993**

MUNICIPAL WASTEWATER ASSISTANCE



**Jim Florio
Governor**

**Scott Weiner
Commissioner**



MISSION STATEMENT

The mission of the New Jersey Department of Environmental Protection and Energy is to conserve, protect, enhance, restore and manage our environment for present and future generations. We strive to prevent pollution; ensure the efficient use of safe, environmentally sound and reliable energy resources; provide opportunities for recreation and enjoyment of natural and historic resources; and promote a healthy and sustainable ecosystem.

GUIDING PRINCIPLES

We are guided by these principles in accomplishing our mission:

- To consistently apply and vigorously enforce environmental laws and standards in a fair, timely and predictable manner.
- To be accountable, accessible and helpful to the public.
- To provide clear, prompt and fair guidance and decisions.
- To increase understanding of environmental and energy concerns through effective communication and education.
- To establish regulations and standards consistent with law and public policy and active public dialogue.
- To base our standards, decisions and activities on sound science.
- To promote energy conservation, pollution prevention and consideration of the cumulative impacts of activities in our actions and those of individuals, business and governments throughout the state.
- To maintain a work environment that attracts and retains dedicated, talented people; fully develops and challenges individual abilities; and encourages innovation and teamwork.
- To adhere to the highest standards of personal and professional conduct.



State of New Jersey
Department of Environmental Protection and Energy
Municipal Wastewater Assistance

CN 425
Trenton, NJ 08625-0425
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Scott A. Weiner
Commissioner

Nicholas G. Binder, P.E., P.P.
Administrator

FEDERAL FISCAL YEAR 1993
PRIORITY SYSTEM, INTENDED USE PLAN AND PROJECT PRIORITY LIST

The New Jersey Department of Environmental Protection and Energy has completed the development of the Federal Fiscal Year 1993 Priority System, Intended Use Plan and Project Priority List and has received the United States Environmental Protection Agency's approval of these documents. The Priority System establishes the project ranking methodology and funding policies that will govern the award of federal grants in Federal Fiscal Year 1993 and the award of State loans in State Fiscal Year 1994. The Intended Use Plan includes information on the timing, use and distribution of federal funds anticipated to be made available to New Jersey (through a capitalization grant) for use in the State's Wastewater Treatment Financing Program. The Project Priority List identifies those projects eligible to receive State loans in State Fiscal Year 1994. Projects will be funded with the monies anticipated to be allocated to the State of New Jersey in Federal Fiscal Year 1993 and funds made available from the New Jersey Wastewater Treatment Financing Program in State Fiscal Year 1994.

Grant increases will be awarded in Federal Fiscal Year 1993 to provide funding based on the low bid building cost to municipalities which received federal grants in previous years. Projects on the Project Priority List (whose sponsor indicated their intent to comply with the project document submittal deadlines) will be eligible to receive loans from New Jersey's State Revolving Fund (SRF) in State Fiscal Year 1994.

Certain changes were made to the Priority System, Intended Use Plan and Priority List proposal as a result of comments received through the Department's public participation program. A complete discussion of major issues and the Department's responses are presented in the Federal Fiscal Year 1993 Response Document.

Also enclosed are summary sheets of grant and loan actions which have occurred over the past several years.

The public comments concerning the development of the Federal Fiscal Year 1993 Priority System, Intended Use Plan and Priority List have been very helpful. We wish to thank all of the individuals and organizations that have taken the time to assist the Department in developing this important aspect of our clean water program.

Very truly yours,



Nicholas G. Binder, P.E., P.P.
Administrator

February 1993

Enclosures

MUNICIPAL WASTEWATER ASSISTANCE
Federal Fiscal Year 1991 Grant Decrease Actions

<u>Project Number</u>	<u>Grant Recipient</u>	<u>Decrease Amount</u>	<u>Award Type</u>	<u>Award Date</u>
C340704-02	Stony Brook RSA	\$ 31,381	Closeout	12/04/90
C340377-01	South Monmouth RSA	\$1,042,900	Closeout	12/04/90
C340584-02	Old Tappan Borough	\$ 290,567	Termination	12/26/90
C340755-01	Western Monmouth UA	\$ 7,953	Termination	12/26/90
C340389-03	Rockaway Valley RSA	\$ 89,456	Closeout	01/09/91
C340389-04	Rockaway Valley RSA	\$ 197,241	Termination	01/09/91
C340804-01	Salem County BCF	\$ 195,938	Closeout	12/26/90
C340519-04	Middletown Township SA	\$ 867,442	Closeout	01/18/91
C340340-02	Essex & Union Joint Mtg	\$2,078,515	Closeout	02/13/91
C340399-04	Hudson County UA	\$ 353,732	Closeout	02/13/91
C340519-02	Atl Hghlnds/Hghlnds RSA	\$ 393,497	Closeout	02/13/91
C340447-02	Elizabeth City	\$ 105,536	Closeout	03/06/91

Federal Fiscal Year 1992 Grant Increase Actions

<u>Project Number</u>	<u>Grant Recipient</u>	<u>Increase Amount</u>	<u>Award Type</u>	<u>Award Date</u>
C340871-01	Gibbsboro Borough	\$ 799,033	Increase	09/30/92
C340491-01	West Windsor	\$1,176,578	Increase	09/30/92
C340808-02	Bass River RSA	\$ 36,929 (1)	Increase	09/30/92
C340461-02	Landis SA	\$ 726,656 (2)	Increase	09/30/92
C340412-04	Asbury Park	\$ 184,849 (3)	Increase	09/30/92
C340714-03	Ocean County UA	\$1,384,620 (4)	Increase	09/30/92
C340524-03	Camden County MUA	\$ 634,061 (5)	Increase	09/30/92

- (1) Includes \$8,689 of Alternative Funds
- (2) Alternative Funds to satisfy I.O.U. made in FFY90
- (3) Innovative Funds to satisfy I.O.U. made in FFY90
- (4) Includes \$689,323 of Innovative and \$695,296 of Alternative Funds
- (5) Alternative Funds, I.O.U. of \$174,262 remains

MUNICIPAL WASTEWATER ASSISTANCE
State Fiscal Year 1992 Loan Actions

<u>Project Number</u>	<u>Loan Recipient</u>	<u>Principal Amount</u>	<u>Award Type</u>	<u>Award Date</u>
S340717-03-1	Cedar Grove Township	\$ 3,551,188	Supplemental	12/23/91
S340874-01-1	Phillipsburg Town	\$ 985,336	Supplemental	12/23/91
S340874-02	Phillipsburg Town	\$ 1,116,926	New Loan	12/23/91
S340697-03-A	Bayshore Regional SA	\$ 8,000,000	New Loan	12/23/91
S340697-03-B	Bayshore Regional SA	\$ 23,801,300	New Loan	12/23/91
S340708-07	Camden County MUA	\$ 2,642,676	New Loan	12/23/91
S340640-04	Camden County MUA	\$ 11,460,156	New Loan	12/23/91
S340933-01	Hackettstown MUA	\$ 11,449,132	New Loan	12/23/91
S340818-03	Burlington County BCF	\$ 53,530,000	New Loan	12/23/91
S340931-01	Montville Township MUA	\$ 3,576,062	New Loan	12/23/91
S340919-01	Holmdel Township	\$ 2,993,712	New Loan	12/23/91
S340880-01	Pegk., Lin. Prk., Frfld. SA	\$ 6,609,800	New Loan	12/23/91
S340920-01	Paramus Borough	\$ 1,602,660	New Loan	12/23/91

State Fiscal Year 1992 Grant Actions
Sewage Infrastructure Improvement Act

<u>Project Number</u>	<u>Grant Recipient</u>	<u>Grant Amount</u>	<u>Award Type</u>	<u>Award Date</u>
CSO 90-003	City of New Brunswick	\$ 53,312	New Grant	10/24/91
CSO 91-019	City of Hackensack	\$ 128,261	New Grant	10/24/91
CSO 90-016	City of Newark	\$ 472,239	New Grant	01/08/92
CSO 91-017	City of Elizabeth	\$ 433,548	New Grant	02/28/92
CSO 90-013	Edgewater MUA	\$ 190,660	New Grant	05/06/92

State Fiscal Year 1993 Loan Actions

<u>Project Number</u>	<u>Loan Recipient</u>	<u>Grant Amount</u>	<u>Award Type</u>	<u>Award Date</u>
S340708-05-1	Camden County MUA	\$ 8,555,250	Supplemental	11/19/92
S340699-04	Middlesex County UA	\$17,950,300	New Loan	11/19/92
S340794-04	Delran SA	\$10,331,785	New Loan	11/19/92
S340929-02	Wayne Township	\$ 6,952,000	New Loan	11/19/92
S340881-01	Hawthorne Borough	\$ 2,978,508	New Loan	11/19/92
S340927-01	Hammonton Town	\$12,400,000	New Loan	11/19/92
S340921-01	Millville City	\$ 6,380,458	New Loan	11/19/92
S340628-03	Woodstown SA	\$ 5,238,167	New Loan	11/19/92
S340924-01	Clinton Town	\$ 4,345,144	New Loan	11/19/92
S340937-01	Berkeley Township SA	\$ 2,622,154	New Loan	11/19/92
S340874-03	Phillipsburg Town	\$ 466,648	New Loan	11/19/92

Priority System, Intended Use Plan, Project Priority
List and Response Document for Federal Fiscal Year 1993

New Jersey Municipal Wastewater Assistance Program

Executive Summary

The New Jersey Department of Environmental Protection and Energy (Department) has completed the development of the Federal Fiscal Year 1993 (FFY93) Priority System, Intended Use Plan, Project Priority List and Response Document. This document describes the state's policies governing the New Jersey Municipal Wastewater Assistance Program which consists of two elements - the traditional federal Construction Grants Program administered by the state on behalf of the United States Environmental Protection Agency (USEPA) and the New Jersey Wastewater Treatment Financing Program, a revolving loan program administered by the Department and the New Jersey Wastewater Treatment Trust (Trust).

Since the enactment of the Federal Water Pollution Control Act of 1972 (commonly referred to as the Clean Water Act) greater than \$2.7 billion in federal funds have been awarded for the construction of municipal wastewater treatment facilities in the State of New Jersey under the Construction Grants Program. The rules implementing the Clean Water Act and its amendments require each state to develop a priority system which rates and ranks municipal wastewater treatment projects that are considered eligible for federal assistance and to prepare annually a priority listing of such projects for submittal to USEPA for approval. The state's priority system must use criteria based on the severity of the pollution problem, the population affected and other related factors. The Construction Grants Program has resulted in major improvements to the state's wastewater treatment facilities and overall water quality; even so, the state's estimate for the 1990 National Needs Survey indicates that \$4.4 billion in wastewater treatment improvements is still needed.

In an effort to address this need, coupled with a backlog of more than 300 projects on the Project Priority List totalling approximately \$3.0 billion, the State of New Jersey introduced an alternative funding mechanism known as the New Jersey Wastewater Treatment Financing Program. The program consists of the Wastewater Treatment Fund (Fund), established by the Wastewater Treatment Bond Act of 1985 and the Trust, created by the New Jersey Wastewater Treatment Trust Act. The Fund provides zero percent interest rate loans to local government units for up to half the allowable project costs. The Trust loans monies for the other half of the costs at or slightly below the prevailing market rate. The Trust leverages its

available monies to generate its share for the projects by issuing revenue bonds on behalf of the program participants. By combining these two funding sources, the state is able to maximize the use of available funds and offer municipalities loans at roughly half the prevailing interest rate, which results in an annual savings of approximately 30 percent compared to what it would cost each participant to obtain its own financing.

The Water Quality Act of 1987 (Act), which phased out the Construction Grants Program and required states to establish State Revolving Fund (SRF) programs, signalled a change in the federal government's role in the financing of wastewater treatment projects. The intent of Congress was to provide states with the incentives and means to achieve long term self-sufficiency in financing projects which meet the enforceable requirements of the Act and improve water quality. A new title, Title VI, was added to the Clean Water Act which established the framework through which USEPA and states may enter into capitalization grant agreements which enables those states to use their annual allotments for loans or other allowable SRF uses. The Act requires states to prepare annually a plan identifying the intended uses of the amounts available to its SRF program, known as an Intended Use Plan. States were also permitted to transfer portions of Construction Grant (Title II) funds authorized in FFY87 through FFY90 to Title VI for SRF purposes. As one of the first states to establish an SRF, New Jersey took advantage of the early participation option and executed a \$70 million capitalization grant in October 1988 out of its FFY88 allotment to finance projects in State Fiscal Year 1989 (SFY89). In its first five funding cycles, the Department and the Trust have loaned over \$880 million to fund 65 projects benefitting over 170 municipalities. In SFY93 (using the FFY92 allotment and other funds), the program expects to continue past progress and has targeted 12 high priority projects throughout the state for low cost financing.

The FFY93 Priority System, Intended Use Plan and Project Priority List is designed to build on our past accomplishments. The proposal document underwent extensive public involvement in January 1992 and required local government units interested in pursuing Fund/Trust loans in SFY94 to notify the Department of their intent to satisfy applicable planning, design and application deadlines. The Project Priority List identifies 56 projects (12 targeted for SFY93 funding and 44 targeted for SFY94 funding) whose sponsor has indicated interest in the program. Public comments received have been summarized, addressed in the Response Document, and considered in finalizing the FFY93 Priority System, Intended Use Plan and Project Priority List.

PRIORITY SYSTEM, INTENDED USE PLAN, PROJECT PRIORITY LIST
AND RESPONSE DOCUMENT FOR FEDERAL FISCAL YEAR 1993

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PROJECT PRIORITY LIST

RESPONSE DOCUMENT

PROJECT NARRATIVES

LIBRARY INFORMATION CENTERS

ATLANTIC COUNTY

Atlantic County Library
2 S. Parragut 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

Priority System, Intended Use Plan and Project
Priority List for Federal Fiscal Year 1993

INTRODUCTION

The New Jersey Department of Environmental Protection and Energy (Department) has developed a Priority System which details the state's policies governing the award of federal grants under the Construction Grants Program and provides the ranking methodology for municipal water pollution control projects eligible for state loans under the Wastewater Treatment Financing Program. The Federal Fiscal Year 1993 (FFY93) proposal is generally in conformance with the Priority System adopted for FFY92 and is compatible with the federal Clean Water Act as amended. New Jersey plans to channel the state's FFY93 allotment through a State Revolving Fund (SRF) capitalization grant award to the Department-administered Wastewater Treatment Fund (Fund). The Fund, together with the Wastewater Treatment Trust (Trust) comprise the Wastewater Treatment Financing Program. New Jersey's SRF program was established in 1988 within the structure of the state's Wastewater Treatment Financing Program. The details of New Jersey's anticipated uses of the federal capitalization grant and related state policies are discussed in the Intended Use Plan. The Project Priority List identifies projects which may qualify for low interest rate loans from the Wastewater Treatment Financing Program in State Fiscal Year 1994 (SFY94).

BACKGROUND

Since 1972 greater than \$2.7 billion in federal funds have thus far been obligated in the state for the construction of wastewater treatment works. Yet, the state's estimate for the 1990 National Needs Survey indicates that \$4.4 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 order to provide financial aid to local government units for the construction 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 must be developed in conformance with the federal ranking methodology.

PRIORITY SYSTEM

I. Grant Program Policies

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

- A. Grant funding for new project segments is no longer available.
- B. The grant increase application submission deadline under the FFY93 Priority System is January 4, 1993. Any grant increase applications received after this deadline may be processed in future fiscal years in conformance with the Priority System provisions in effect at that time.
- C. Grant amendments will be awarded in FFY93 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 for planning and/or design. 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 (with no reduction in project scope), 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 low bid 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. In the event that a grant recipient receives the Department's approval to reduce the project scope for which funding was awarded through the elimination of a contract (or portion thereof), the eligible project cost (and therefore the grant amount) will be reduced (through the Department's deobligation) in an amount based on the estimated cost of that scope of work which was included in the original grant award.

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

- D. The grant increase policy is generally consistent with the policy as specified in the FFY82 through FFY92 Systems. Grants awarded since FFY82 have been 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 FFY82 (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 I/A 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.

- E. The state reserves the right to use recovered (i.e., deobligated) grant funds for SRF purposes, for administrative purposes or for grant increases (which may include Innovative/Alternative (I/A) bonus awards).
- F. The Governor's Discretionary Fund will be used to provide up to \$1 million in grant increase awards to otherwise ineligible categories of need and will include only those combined sewer overflow (CSO) projects which received grant awards in FFY84 and FFY85 under the National Marine CSO Program and Public Health Hazard (PHH) Bypass projects which received federal grant awards prior to FFY89. Since FFY93 funds cannot be reserved for such purposes, grant increases may only be available to the extent that sufficient funds become available through grant reductions.
- G. The reserve funds established in the FFY93 Priority System are generally consistent with those reserve fund programs adopted under the FFY92 System. The reserves in the FFY93 Priority System will be the Grant Increase Reserve (which may include I/A grant increases), the Reserve for State Management Assistance and the Reserve for Non-Point Source Pollution Programs (as required by Title VI of the Clean Water Act).

II. Reserve Funds

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

A. Reserve for Grant Increases:

The Department developed criteria, adopted in the Federal Fiscal Year 1982 through 1992 Priority Systems, for funding grant increases for previously funded projects. The Department will continue to use these criteria in the FFY93 Priority System to determine eligible grant increase amounts. Since FFY93 funds cannot be reserved for such purposes, grant increase awards may only be made to the extent funds become available through grant reductions. Priority for projects eligible for conventional or I/A grant increases will be based upon the date of the base grant award. For two or more projects which were awarded base grants on the same day, priority for increases will be based upon their rank in the fiscal year in which their grants were

awarded. In cases where projects are due conventional or I/A grant increases as a result of an appeal, priority will be given based upon the date the determination of the appeal was given.

The United States Environmental Protection Agency (USEPA) previously indicated that funds realized through grant reductions from previously funded projects cannot be used to provide Innovative/Alternative (I/A) assistance. However, on September 27, 1990, USEPA issued guidance to the contrary which would allow such funds realized through grant reductions to be used for I/A assistance up to the amount that was available to each state in FFY90 through section 205(i) of the Clean Water Act (in New Jersey, approximately \$2.9 million). The Department has applied for a deviation from the federal regulations to allow recovered funds to be used for I/A grant increase assistance. Provided USEPA approves the Department's deviation request, the state may use recovered funds for I/A grant awards.

In addition to routine I/A grant increase awards, grant assistance may also 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 USEPA-Region II with the approval of the Department that: (i) the innovative or alternative elements of the project have caused the project or significant elements of the complete wastewater treatment system of which the project is a part to fail to meet project performance standards; (ii) 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; (iii) the failure has occurred prior to two years after initiation of operation of the project; and (iv) 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 of USEPA will receive high funding priority over other projects. Funding for such projects may come from the Grant Increase Reserve (including I/A and/or conventional funds in the Grant Increase Reserve) or any other source permitted by law.

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 and 1977 (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 of 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 calculations 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 USEPA for funding.

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. Where funds are available as a result of reduced scopes of work, such funds will be deobligated and will not be available for transfer to other 75 percent step 3 grants or for budget line item transfers. 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 or 55 percent initial base grant level as follows:

65 percent initial base grants will be adjusted as necessary to cover 65 percent (or, in the case of a 55 percent initial base grant award, to cover 55 percent) of the low bid building costs and the associated eligible project costs (administrative/legal/fiscal costs, limited to one percent of the low bid building costs, and engineering 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 (or 55) percent of the low bid building costs and the associated eligible project costs (consistent with the eligible categories of need at the time of the project's grant award). All grants that have excess monies will be decreased to 65 (or 55) percent of the eligible low bid 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. (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 that are not attributable to a reduced scope of work 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 low bid 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).

B. Reserve for State Management Assistance

At least the first \$400,000 of any funds realized through grant reductions will be used for state administrative purposes to the extent permitted under the Water Quality Act of 1987 and federal policy.

C. Reserve for Non-Point Source Pollution Programs

The Administrator of the USEPA will reserve each fiscal year for each state 1 percent of the sums allotted and available for obligation under Title VI to such state or \$100,000, whichever is greater, for the purpose of establishing a non-point source pollution management program. The details of this reserve are not addressed in this document.

III. Ranking Methodology

A. Water Use/Water Quality Segment Priorities

As in FFY92, the FFY93 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:

<u>Existing Water Use</u>	<u>Points</u>
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 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 Department and those waters designated as shellfish growing waters pursuant to N.J.A.C. 7:12-1 et seq.
- Recreation (Primary Contact): Waters which contain bathing areas routinely monitored as a public bathing beach; also included is the Delaware River upstream of Trenton (as this body is widely used for primary recreation purposes).
- Public Nuisance: This category includes problems related to on-site systems (such as septic systems) where a direct water quality impact was not identified but where on-site failures have been reported.
- Agricultural Water Use: Surface waters which were known to be diverted for agricultural uses such as irrigation and farm ponds. Information was based on the issuance of a state Water Diversion Permit (any surface water diversion greater than 70 gallons per minute is required to have a state-issued permit). In addition, if a water course flows through an extensive agricultural area within which no diversion permits have been issued, then agricultural water use was assumed to be occurring.
- Industrial Water Use: Surface waters which were known to be used for industrial cooling and/or process purposes.

An evaluation of existing water quality conditions followed the water use determinations. 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 assigned in the following manner:

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

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

Nutrients were given lower points since they may cause conditions that interfere with water uses, but the resulting conditions will usually not significantly affect the established water use. Though municipal treatment plants contribute a large amount of nutrients to the state's water bodies, 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" subranking).

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.

B. 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 wastewater 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 describes the existing situation. The categories are listed in order of priority. If a project fell into more than one category, the highest score, for the significant components of the project, was awarded (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 Discharge (500 points) - The projects in this category will 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. Combined Sewer Overflow (CSO) projects (250 points) - This category includes projects to correct combined sewer overflow conditions. The study of such projects is extremely complex, requiring comparisons of various treatment alternatives and the associated cost with benefits gained in terms of water quality improvements. The points assigned to CSO remediation projects reflects the impact these systems are known to have on water quality. The discharge of untreated sewage during wet weather events is an inherent feature of such systems. The higher ranking of CSO remediation projects will assist in the elimination of the discharge of untreated sewage and in the Department's goal of maintaining and improving the state's water quality.
4. Inadequate Secondary Treatment (200 points) - The projects in this category are to upgrade or eliminate existing wastewater treatment facility discharges that cannot meet secondary treatment standards. Included in this category are those facilities which due to process limitations are incapable of meeting secondary treatment standards. Also included in this category are wastewater treatment facilities which are incapable of meeting permit standards for secondary treatment due to intermittent hydraulic overloading. Projects involving hydraulic overloading which is a result of infiltration/inflow (and which, as a result of a cost effectiveness analysis that compares the cost of correcting the infiltration/inflow (I/I) conditions to the total cost of transportation and treatment of the I/I indicates that it is more economical to transport and treat the I/I than to eliminate the I/I) would be included in this category.

Projects have been segmented, where appropriate, such that they will only provide service for existing discharges plus adequate reserve capacity, where eligible, based upon the cost effectiveness analysis. Project segments for new service areas will be included in 6 below. Exceptions will be made where additional flows (including flows as a result of the expansion of the existing service area) are necessary for the proposed system to be cost effective and operable. Under these circumstances, eligible conveyance systems may be included within the scope of the financial assistance agreement.

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

Program but where the sludge treatment/disposal facilities were segmented from the initially funded project(s).

6. 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 septage treatment facilities and segments of projects that were initially funded under other categories.
7. I/I Correction (50 points) - This category includes all infiltration/inflow correction projects which will remove quantities of infiltration/inflow which can be economically eliminated from the sewer system as determined in a cost effectiveness analysis that compares the cost of correcting the infiltration/inflow conditions to the total cost for transportation and treatment of the infiltration/inflow. This category includes all other I/I correction projects for removing excessive system flows that are not included in 2 or 4 above. The point assignment for I/I correction projects with no direct surface water quality impacts reflects the impacts that excessive I/I has on the integrity of a wastewater treatment system as a whole. Excessive I/I is responsible for (1) diluting wastewater to the point that the treatment facilities are frequently unable to satisfy the percent removal requirements of their NJPDES permit and (2) occupying capacity within a wastewater treatment system that could otherwise be used for alternative purposes.
8. 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 treatment. The benefits derived from upgrading facilities from secondary to advanced treatment levels are being carefully analyzed and compared to the costs associated with this type of project. Advanced treatment will only be required in those cases where the costs of advanced treatment can be justified by water quality improvements, including maintenance of existing water quality in accordance with the state's anti-degradation policy.

C. 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 will be used for ranking purposes.

IV. Public Health Hazard (PHH) 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 and Energy in consultation with the Commissioner of the Department of Health, the project will receive 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 PHH 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 the Municipal Wastewater Assistance staff in order to screen applications that may or may not be eligible for PHH Bypass consideration under the state's Wastewater Treatment Financing Program requirements or where documentation is inadequate to support the PHH Bypass request. Project sponsors which submit documentation that is denied at this stage will be notified, in writing, by Municipal Wastewater Assistance, indicating the reasons for the denial. (Note: applications denied on the basis of inadequate documentation may be revised and resubmitted for further review and action by the Municipal Wastewater Assistance staff).
 - c. A Joint Committee of representatives from both the New Jersey Department of Health and the New Jersey Department of Environmental Protection and Energy will review documentation forwarded by the Municipal Wastewater Assistance staff 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 will 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 and Energy 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 staff will 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 PHH 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.

New collection systems and appurtenances (category 4A needs) required to correct public health hazard conditions are included in the Governor's Discretionary Fund for FFY93 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 List in a timely manner (consistent with the target certification dates), funding of PHH Bypass projects may otherwise be limited.

Requests for PHH Bypass eligibility which were received on or before January 15, 1992 received high priority for staff review to permit processing of the bypass and loan award within SFY94.

V. Priority List Procedures

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). Projects may be subdivided into operable segments which are independently ranked for water quality impacts and discharge conditions. Listing on the FFY93 Project Priority List was the first prerequisite to be considered eligible for a state loan under the Wastewater Treatment Financing Program for the construction of wastewater treatment facilities in SFY94. The

applicant has the responsibility of submitting all the required application material in a timely manner.

The Priority List presents the estimated total eligible building costs under the appropriate treatment category. The figure under the "Total Eligible Project Cost" includes the estimated total eligible building costs, the related construction services (i.e., administrative, legal, engineering, inspection, one year start-up services, etc.) and the appropriate allowance for planning and/or design. The figure under the "Total State Share" column represents 100 percent of the estimated total eligible project costs for state loan 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 were included on the final FFY93 List. The FFY93 Project Priority List identifies those projects eligible for loans in SFY94.

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 Response Document. Any significant revisions to the Project Priority List during the fiscal year will also be the subject of a public hearing. The Department 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 commitment to and compliance with the project document submittal schedule) of 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 a project or projects to the fundable range as a result of their qualifying under the PHH Bypass criteria;
- d. The revision of the fundable range of the Priority List as a result of a change in the allocation that New Jersey receives or a change in the state's contribution to the SRF and/or as a result of a revision to the total amount of monies made available from the Fund/Trust program;
- e. The revision of the fundable range of the Priority List as a result of ensuring the proper dollar amount is obligated to eligible project categories included under the Clean Water Act's reauthorization.

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 USEPA Guidelines.

INTENDED USE PLAN

This Intended Use Plan provides information on the FFY93 allotment which New Jersey plans to channel into the Wastewater Treatment Financing Program to provide loans for projects in SFY94. The Intended Use Plan identifies state policies governing loan awards and includes information on the following: (a) the list of projects to be used for funding purposes, (b) the long and short term goals of the state's program, (c) the programmatic activities to be supported with the anticipated funds, (d) the timing and use of such funds, (e) the criteria and method of distribution of the funds and (f) provisions for interim reporting (as required by the Regional Administrator at the time of capitalization grant award).

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

- A. The schedule of state capitalization grant payments will be jointly agreed upon by the Administrator of USEPA and each state and will be based upon the state's Intended Use Plan. States are required to deposit in the SRF, from state monies, an amount equal to at least 20 percent of the total amount of all capitalization grants which will be made to the state.
- B. The fund created with federal capitalization grants can only be used to provide assistance for the construction of publicly owned treatment works, as well as for the implementation of a 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 loan repayments from these grants, and leveraging proceeds, but not proceeds from state monies in excess of the match) must first be used to assure maintenance of progress toward compliance with the enforceable deadlines, goals and the requirements of the Clean Water Act.
- C. Monies in the SRF may be used to provide loans at or below market interest rates, for terms not greater than 20 years (after completion of construction). Repayments must begin no later than 1 year after completion of the project and must be credited to the SRF (principal and interest) for

Title VI purposes. The recipient of a loan must establish a dedicated source of repayments. The Act also authorizes the use of federal SRF monies to refinance local debt obligations, provide guarantees or purchase insurance.

- D. 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.

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

- E. The Department established the following project document submittal schedule and required that all local government units listed or eligible for listing on the FFY93 Project Priority List (for SFY94 loan funding) advise the Assistant Director (now Administrator), Municipal Wastewater Assistance (in writing, with a copy to the Administrator, Wastewater Facilities Regulation) prior to the close of the comment period for the FFY93 Priority System/Intended Use Plan/Project Priority List proposal of their intent to commit to the schedule below.

Planning Documents	April 27, 1992
Design Documents	November 2, 1992
Loan Application	March 1, 1993

An acceptable planning documentation submittal must consist of a complete project report, the appropriate environmental planning documentation for the level of environmental review determined applicable by the Department, complete cultural resources survey documentation, a long term sludge management plan (in cases where the project involves a treatment plant upgrade or expansion), documentation of completed public participation activities, and the results of preliminary coordination activities with lead agencies regarding environmental and permit concerns. In addition, as part of the planning documentation submittal, proof of a final NJPDES permit or a Discharge Allocation Certificate for the project for which the applicant is requesting funding assistance must be submitted. In this way, all final effluent conditions will be known and agreed upon at the time of the submittal of the planning documentation. Note that the Department intends to notify project sponsors by August 17, 1992 of their eligibility to continue in the design phase based upon the acceptability of the planning documentation submittal of April 27, 1992. Projects with unacceptable planning documentation submittals will be bypassed at this time.

In order to provide better cost estimates to the state legislature for incorporation into appropriations bills, project sponsors will be given the opportunity to

revise/update the estimated allowable project costs identified on the FFY93 Project Priority List via their April 27, 1992 planning documentation submittal. Further, since the project sponsor's initial loan award may be limited to such cost revision/update the Department will verify the estimated allowable project costs it intends to include in the January 15, 1993 Report to the Legislature with the project sponsor (through the August 17, 1992 planning documentation acceptance correspondence).

Failure of the local government unit to advise the Assistant Director, Municipal Wastewater Assistance 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 was interpreted by the Department as a decision by the local government unit to not pursue funding in SFY94. This will result in those projects being deemed ineligible for funding in FFY93/SFY94 and will result in a "BEYOND 93" designation for the estimated state certification date on the final Project Priority List. Such projects remain on the Project Priority List and are eligible for funding in future years.

- F. Wastewater treatment project categories eligible for assistance from the SRF may be limited since the SRF must use an amount equal to the federal capitalization grant for the following project categories: secondary treatment (including sludge treatment/disposal), advanced wastewater treatment, infiltration/inflow correction and new interceptors and appurtenances. However, the Governor's 20 percent discretionary authority will be used to maximize the state's flexibility in awarding SRF loans to high priority projects. Given the Governor's Discretionary Fund and since state monies are anticipated to be made available in SFY94, project categories that would not be eligible under the federal requirements may be eligible under the New Jersey Wastewater Treatment Financing Program. These categories include collection systems, major sewer system rehabilitation, and correction of combined sewer overflow projects.
- G. Loan awards for new project segments will be made in SFY94 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), construction management costs (limited to 12 percent of the total low bid building cost), as well as the appropriate allowance for planning and/or design. However, the initial loan amount will be limited to the lesser of (1) the estimated allowable project cost identified in the Department's August 17, 1992 planning documentation acceptance correspondence, included in the January 15, 1993

Report to the Legislature and as approved in the appropriation bills for that funding cycle, (2) the allowable project costs based on the engineer's estimate in the project sponsor's loan application package and (3) funding based on the low bid building cost. The adjustment to provide funding based on the low bid building cost (as applicable) will be made only after all project-related contracts have been awarded. At this time, the Wastewater Treatment Financing Program cannot commit to provide loan increases due to low bid adjustment. Consideration will be given to providing 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 funds for such purposes. 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 cost 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 and construction management costs will not be limited to one and 12 percent, respectively of the low bid 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. In the event that a loan recipient receives the Department's approval to reduce the project scope for which funding was awarded through the elimination of a contract (or portion thereof), the eligible project cost (and therefore the loan amount) will be reduced (through the Department's and the Trust's "deobligation") in a loan amount equal to the estimated cost of that scope of work which was included in the original loan award.

- H. State loan funding will only be provided to publicly owned wastewater treatment facilities. However, if a unit of government assumes ownership of a system which was previously privately owned, it may be funded under the authority of section 603(c) of the federal Clean Water Act. At its option, the state may deem the public ownership requirement to be met for small/onsite systems where adequate inspections and operations are assured through the establishment of a management district or use of service easements or agreements.
- I. Planning and design costs of the project are not directly eligible for loan awards from the New Jersey Wastewater Treatment Financing Program. However, an allowance to assist in defraying the planning and design costs will be provided to a project as a percentage of the allowable

building cost at the time of receipt of a loan for construction of the project.

- J. All projects must be sized in accordance with the cost effectiveness analysis and, as a minimum, to accommodate not only existing needs but also the amount of reserve capacity which is determined to be cost effective over a 20 year planning period. The recipient's loan assistance will generally 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. However, recent amendments to the program's regulations (N.J.A.C. 7:22-4.36) allow the borrower to apply for a market rate Trust loan to cover incremental costs related to reserve capacity (costs which were previously unallowable under the loan program).
- K. Local government units are required to meet the technical and administrative provisions of the regulations of the Department and the Trust (N.J.A.C. 7:22-3, 4, 5, 8 and 9). Disbursement and loan repayment requirements must also be consistent with the regulations. Additionally, project sponsors must comply with the Environmental Assessment Requirements for State Assisted Wastewater Treatment Facilities (N.J.A.C. 7:22-10).
- L. Certain projects are eligible to receive pre-award approvals provided the requirements of the 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 staff (including issuance of 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. In addition, the receipt of state disbursements for building costs incurred prior to the award of a Fund loan may not be fully disbursed upon award. As a direct result of federal policy, such costs may only be paid in equal amounts over the number of quarters over which the state can receive capitalization grant payments (which will typically be eight quarters).
- M. Project sponsors should be aware that a goal of not less than 10 percent of the costs for construction, materials or services for a project must be awarded to small business concerns owned and controlled by socially and economically disadvantaged individuals (SEDs) as defined in the Small Business Act (15 U.S.C. 637(a) and (d)) and any

regulations promulgated pursuant thereto. The Department and the Trust have adopted the SED regulations (N.J.A.C. 7:22-9), which identify the SED utilization requirements that project sponsors will have to meet.

- N. In instances where the project conditions are determined to constitute a public health hazard by the Commissioner of the Department of Environmental Protection and Energy, in consultation with the Commissioner of the Department of Health, a project may receive funding priority over other projects on the Project Priority List.
- O. SRF loans will only be awarded to a distinct project segment that will result, in itself, in an operable treatment works (i.e., not relying on award of funds for additional portions of the project).

In addition to the above, the Clean Water Act, and USEPA's National Municipal Policy (NMP) mandates that all wastewater facilities must meet water quality standards by July 1, 1988. Financial assistance awards cannot be made to such NMP projects 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.

* * *

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

As a result of the differences in the state and federal fiscal years, New Jersey's Intended Use Plan proposal for receiving the Federal Fiscal Year 1993 allotment for State Revolving Fund purposes does not commence until SFY94, as follows:

Oct 92	Jan 93	Apr 93	Jul 93	Oct 93	Jan 94	Apr 94	Jul 94
0	0	0	\$49.0	0	0	0	0
			million				

The federal monies identified above may be combined with state monies in an amount at least equal to 20 percent of the federal capitalization grant (approximately \$10 million). Those monies

will be used to provide loans to municipalities for their high ranking wastewater treatment project(s) on the FFY93 Project Priority List at approximately one-half the market interest rate for up to 100 percent of the eligible project costs for a term of 20-23 years.

As provided for in the January 1988 Initial Guidance for State Revolving Funds, a state that has deposited monies in a dedicated revolving fund after March 7, 1985 and prior to receiving a capitalization grant, may credit these monies toward the match, binding commitments, and equivalency requirements. Since many of the projects certified by the Department in SFY88 through SFY92 qualify under the criteria to bank monies toward the specific requirements, at least a portion of the state monies may be requested to be qualified as bankable to satisfy the SRF's match, binding commitment and equivalency requirements.

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

Wastewater Treatment Financing Program Schedule

<u>DATE</u>	<u>ACTION</u>
April 27, 1992	-Applicants submit all planning documents (i.e., project report) to DEPE, including DAC or final NJPDES permit
August 17, 1992	-DEPE notifies project sponsors of acceptability of planning documentation submittal and verifies estimated allowable project costs
November 2, 1992	-Applicants submit all design documents to DEPE
on or before January 15, 1993	-DEPE/Trust submits list of projects (based on federal Priority System ranking methodology) to legislature for forthcoming State Fiscal Year
March 1, 1993	-Applicants submit complete loan application to DEPE/Trust
on or before April 1	-Legislature approves appropriation and authorization bills for project funding
on or before May 15	-Financial Plan for forthcoming State Fiscal Year submitted by DEPE/Trust to legislature
on or before July 1	-Legislature acts on Financial Plan
July 3, 1993	-DEPE/Trust transmit draft loan agreements to qualifying applicants
On or after September 15, 1993	-Trust financial transactions complete - Execute loan agreements

PRIORITY LIST

NEW JERSEY STATE LIBRARY

Rank	Loan /Seq No Recipient	Eligible Category Cost Breakdown (Total Building Costs)							Total Eligible Project Costs	Total State Amount	Est St Cert Date
		Cat 1	Cat 2	Cat 3A	Cat 4B	Cat 3B	Cat 4A	Cat 5			
1	340547-04 RAHWAY VALLEY SA							3,873	4,454		BEYOND93
2	340440-03 FLEMINGTON BOROUGH					348			400		BEYOND93
3 *	340437-02 NEW BRUNSWICK CITY							5,500	6,660	6,660	T 930730
4	340435-04 PERTH AMBOY CITY							25,786	29,654		BEYOND93
5	340488-03 HOPATCONG BOROUGH	1,141			2,213		19,921		23,933		BEYOND93
6	340384-05 MUSCONETCONG SA	13,000	3,000		6,000				26,315		BEYOND93
7 *	340384-04 MUSCONETCONG SA	7,500	2,000		3,000				15,022	15,022	T 930730
8	340638-04 BRIDGEWATER TOWNSHIP			1,054					1,308		BEYOND93
9	340747-05 JEFFERSON TOWNSHIP				2,142		12,780		15,369		BEYOND93
10 *	340781-04 RARITAN BOROUGH					225			283	283	T 930730
11 *	340541-03 MOUNT ARLINGTON BOROUGH				1,171		9,369		12,686	12,686	T 930730
12	340763-04 TRIBORO-PALMYRA	2,948							3,425		BEYOND93

NOTE * - Project(s) indicating anticipated compliance with FFY 93/SFY 94 project document submittal dates as established per the Project Status/Project Bypassing provisions of the FFY 93 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 3B- Major Sewer System Rehabilitation
Cat 5 - Correction of Combined Sewer Overflows

Cat 2 - Advanced Treatment
Cat 4A- New Collectors & Appurtenances

Cat 3A- Infiltration/Inflow Correction
Cat 4B- New Interceptors & Appurtenances

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			
13 *	340701-03 WEST MILFORD TWP MUA			350					438	438	T 930730
14	340835-01 ORADELL BOROUGH			204					259		BEYOND93
15	340518-02 ATLANTIC COUNTY UA (UGEH/MRR)				2,632				2,969		BEYOND93
16	340354-03 PEQUANNOCK, LINCOLN, FAIRFIELD SA				2,749				3,462		BEYOND93
17	340768-03 BERGEN COUNTY UA							12,948	14,891		BEYOND93
18	340652-02 NORTH BERGEN TOWNSHIP/HUDSON CO UA			2,000		3,000		10,000	19,198		BEYOND93
19	340652-03 NORTH BERGEN TOWNSHIP/HUDSON CO UA					2,400		1,800	5,395		BEYOND93
20	340418-03 OAKLAND BOROUGH		7,000		15,665			6,095	33,740		BEYOND93
21	340483-02 RINGWOOD BOROUGH SA		4,205		1,122			4,940	10,866		BEYOND93
22	340925-01 WRIGHTSTOWN (WRIGHTSTOWN MUA)	2,000	900						3,400		BEYOND93
23	340720-03 MIDDLE TWP SA (AVALON MANOR)				82			734	834		BEYOND93
24	340495-03 SPARTA TOWNSHIP	1,470	637						2,526		BEYOND93

NOTE * - Project(s) indicating anticipated compliance with FFY 93/SFY 94 project document submittal dates as established per the Project Status/Project Bypassing provisions of the FFY 93 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 3B- Major Sewer System Rehabilitation
 Cat 5 - Correction of Combined Sewer Overflows

Cat 2 - Advanced Treatment
 Cat 4A- New Collectors & Appurtenances

Cat 3A- Infiltration/Inflow Correction
 Cat 4B- New Interceptors & Appurtenances

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			
25	340699-05 MIDDLESEX COUNTY UA	179,409							211,344		BEYOND93
26	340928-01 HUDSON COUNTY UA/JERSEY CITY SA					207,390		72,053	334,743		BEYOND93
27	340399-09 HUDSON COUNTY UA (HOBOKEN)							10,846	12,473		BEYOND93
28	340942-02 ELIZABETH CITY							58,364	69,292		BEYOND93
29	340299-04 LINDEN-ROSELLE SA				4,199			5,044	10,179		BEYOND93
30	340639-05 RIDGEWOOD VILLAGE				1,520				1,826		BEYOND93
31	340443-04 EDGEWATER BOROUGH							111	127		BEYOND93
32 *	340936-01 CAPE MAY COUNTY MUA				3,000				3,655	3,655	T 930730
33	340430-02 PASBAIC VALLEY SC							79,793	91,762		BEYOND93
34	340926-01 PATERSON CITY							1,000	1,204		BEYOND93
35	340898-01 HAMILTON TOWNSHIP		8,095						9,562		BEYOND93
36	340399-08 HUDSON COUNTY UA (BAYONNE)							11,510	13,236		BEYOND93

NOTE * - Project(s) indicating anticipated compliance with FFY 93/94 project document submittal dates as established per the Project Status/Project Bypassing provisions of the FFY 93 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 3B- Major Sewer System Rehabilitation
Cat 5 - Correction of Combined Sewer Overflows

Cat 2 - Advanced Treatment
Cat 4A- New Collectors & Appurtenances

Cat 3A- Infiltration/Inflow Correction
Cat 4B- New Interceptors & Appurtenances

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			
37	340716-02 LITTLE FALLS MUA	11,333	3,815						18,315		BEYOND93
38	340503-03 SUSSEX COUNTY MUA (POCHUCK)	4,080	1,020		3,320				9,576		BEYOND93
39 *	340744-02 SUSSEX BOROUGH			150		350			622	622	T 930730
40 *	340699-04 MIDDLESEX COUNTY UA	14,960							17,950	17,950	**
41	340699-03 MIDDLESEX COUNTY UA	285,613							339,238		BEYOND93
42	340755-03 WILLINGBORD MUA	12,241			2,487				17,482		BEYOND93
43 *	340794-04 DELRAN SA-DELRAN	6,220	1,650			700			10,113	10,113	**
44 *	340474-03 NEW PROVIDENCE BOROUGH		12,000						14,426	14,426	T 930730
45	340712-03 BURLINGTON TOWNSHIP	2,224							2,666		BEYOND93
46 *	340794-03 RIVERSIDE SA	1,464	4,482						7,029	7,029	T 930730
47 *	340929-02 WAYNE TOWNSHIP		4,454						5,404	5,404	**
48 *	340881-01 HAWTHORNE BOROUGH			500	2,600	500			4,370	4,370	**

NOTE * - Project(s) indicating anticipated compliance with FFY 93/FFY 94 project document submittal dates as established per the Project Status/Project Bypassing provisions of the FFY 93 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) anticipated to be certified for potential State Wastewater Treatment Financing in State FY93.

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

Cat 1 - Secondary/Sludge/Septage Treatment

Cat 3B- Major Sewer System Rehabilitation

Cat 5 - Correction of Combined Sewer Overflows

Cat 2 - Advanced Treatment

Cat 4A- New Collectors & Appurtenances

Cat 3A- Infiltration/Inflow Correction

Cat 4B- New Interceptors & Appurtenances

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			
4v	340882-03 LAMBERTVILLE SA	8,000						9,652		BEYOND93
50 *	340573-03 SUSSEX BOROUGH		10,000					12,041	12,041	T 930730
51 *	340463-06 MEDFORD LAKES BOROUGH		3,105					3,755	3,755	T 930730
52	340923-01 HACKENSACK CITY						1,700	2,118		BEYOND93
53	340526-04 GLOUCESTER CO UA (LOGAN)	8,752			2,244			12,561		BEYOND93
54	340453-03 WARREN CO-PAULINSKILL/BLAIRSTOWN	595	411		911			2,628		BEYOND93
55	340747-04 JEFFERSON TOWNSHIP (ROCKAWAY)				1,136		3,796	5,162		BEYOND93
56	340372-13 OCEAN COUNTY UA				1,750			2,145		BEYOND93
57	340832-01 HOWELL TWP MUA				443		3,992	4,547		BEYOND93
58 *	340868-01 ABERDEEN TOWNSHIP MUA				4,068			4,940	4,940	T 930730
59	340935-01 MANSFIELD TOWNSHIP	700	300					1,354		BEYOND93
60	340747-02 JEFFERSON TOWNSHIP	1,428						1,716		BEYOND93

NOTE * - Project(s) indicating anticipated compliance with FFY 93/SFY 94 project document submittal dates as established per the Project Status/Project Bypassing provisions of the FFY 93 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 3B- Major Sewer System Rehabilitation
Cat 5 - Correction of Combined Sewer Overflows

Cat 2 - Advanced Treatment
Cat 4A- New Collectors & Appurtenances

Cat 3A- Infiltration/Inflow Correction
Cat 4B- New Interceptors & Appurtenances

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			
61 *	340927-01 HAMMONTON TOWNSHIP	6,000	6,000						14,666	14,666	**
62	340684-06 NORTHEAST MONMOUTH RSA	4,293							5,126		BEYOND93
63	340336-03 LONG BRANCH SA	644			481				1,354		BEYOND93
64	340386-04 BERGEN COUNTY UA		68,569						84,098		BEYOND93
65	340399-20 HUDSON COUNTY UA (N.B.-CENTRAL)	5,000	15,000						26,540		BEYOND93
66	340399-19 HUDSON COUNTY UA (SECAUCUS)	2,579	6,017	1,054					12,350		BEYOND93
67	340706-03 WASHINGTON BOROUGH		8,389						9,857		BEYOND93
68	340526-05 GLOUCESTER CO UA (MULLICA HILL)	281	168						513		BEYOND93
69	340822-02 PEAPACK & GLADSTONE BOROUGH	2,025	225						2,539		BEYOND93
70 *	340943-01 MT LAUREL TOWNSHIP MUA	14,674							17,268	17,268	T 930730
71 *	340921-01 MILLVILLE CITY		8,100						10,600	10,600	**
72 *	340463-04 MEDFORD TOWNSHIP	2,000	10,000	200	500	2,800			18,593	18,593	T 930730

NOTE * - Project(s) indicating anticipated compliance with FFY 93/8FY 94 project document submittal dates as established per the Project Status/Project Bypassing provisions of the FFY 93 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) anticipated to be certified for potential State Wastewater Treatment Financing in State FY93.

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

Cat 1 - Secondary/Sludge/Septage Treatment
Cat 3B- Major Sewer System Rehabilitation
Cat 5 - Correction of Combined Sewer Overflows

Cat 2 - Advanced Treatment
Cat 4A- New Collectors & Appurtenances

Cat 3A- Infiltration/Inflow Correction
Cat 4B- New Interceptors & Appurtenances

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			
73	340891-01 WESTERN MONMOUTH UA		264						345		BEYOND93
74	340795-02 FAIRLAWN BOROUGH				3,252				3,889		BEYOND93
75	340463-05 EVEBHAM MUA (WOODSTREAM)	2,550	52	102	2,713				6,555		BEYOND93
76 *	340639-03 RIDGWOOD VILLAGE				12,600				15,241	15,241	T 930730
77	340941-01 SUSSEX COUNTY MUA		5,000						6,360		BEYOND93
78	340738-03 WYCKOFF TOWNSHIP				1,122		10,098		11,898		BEYOND93
79 *	340948-01 OLD TAPPAN BOROUGH					2,732			3,331	3,331	T 930730
80 *	340870-02 PENNSVILLE SA	1,557				800			2,879	2,879	T 930730
81 *	340628-03 WOODSTOWN SA	4,000							4,920	4,920	**
82	340526-06 GLOUCESTER CO UA (GIBBSTOWN)	1,122	561						1,923		BEYOND93
83	340917-01 DELAWARE TOWNSHIP MUA		800			300			1,386		BEYOND93
84 *	340700-03 NORTHWEST BERGEN CO UA	6,600							7,977	7,977	T 930730

NOTE * - Project(s) indicating anticipated compliance with FFY 93/SFY 94 project document submittal dates as established per the Project Status/Project Bypassing provisions of the FFY 93 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) anticipated to be certified for potential State Wastewater Treatment Financing in State FY93.

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

Cat 1 - Secondary/Sludge/Septage Treatment
Cat 3B- Major Sewer System Rehabilitation
Cat 5 - Correction of Combined Sewer Overflows

Cat 2 - Advanced Treatment
Cat 4A- New Collectors & Appurtenances

Cat 3A- Infiltration/Inflow Correction
Cat 4B- New Interceptors & Appurtenances

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			
85	340885-01 HOPEWELL TOWNSHIP MUA	815							1,172		BEYOND93
86	340652-01 NORTH BERGEN TOWNSHIP/HUDSON CO UA				1,800		1,000	200	3,795		BEYOND93
87 *	340537-03 MT OLIVE TOWNSHIP						20,000		23,940	23,940	T 930730
88	340823-01 WATCHUNG BOROUGH				83		744		838		BEYOND93
89 *	340924-01 CLINTON TOWN		6,165						7,457	7,457	**
90	340683-05 PASSAIC VALLEY SC	105,400							125,698		BEYOND93
91	340518-03 ATLANTIC COUNTY UA (UGEH)	5,270			5,611				12,933		BEYOND93
92 *	340699-06 MIDDLESEX COUNTY UA	54,200							64,390	64,390	T 930730
93	340640-06 CAMDEN COUNTY MUA	68,350							81,064		BEYOND93
94 *	340372-17 OCEAN COUNTY UA	9,100							10,966	10,966	T 930730
95	340887-01 STONY BROOK REGIONAL SA	3,689							4,491		BEYOND93
96 *	340818-04 BURLINGTON COUNTY BOARD OF FREEHOLDERS	8,235							9,717	9,717	**

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NOTE ** - Project(s) anticipated to be certified for potential State Wastewater Treatment Financing in State FY93.

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

Cat 1 - Secondary/Sludge/Septage Treatment
Cat 3B- Major Sewer System Rehabilitation
Cat 5 - Correction of Combined Sewer Overflows

Cat 2 - Advanced Treatment
Cat 4A- New Collectors & Appurtenances

Cat 3A- Infiltration/Inflow Correction
Cat 4B- New Interceptors & Appurtenances

STATE OF NEW JERSEY
FEDERAL FISCAL YEAR 1993 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			
97	340687-05 BERGEN COUNTY UA	29,802							34,530	BEYOND93	
98	340686-03 JT MEETING-ESSEX & UNION	42,310							50,353	BEYOND93	
99	340399-15 HUDSON COUNTY UA	15,603							18,515	BEYOND93	
100	340900-01 HUDSON COUNTY UA (AREA I)					21,091			24,181	BEYOND93	
101	340405-04 ATLANTIC COUNTY UA	3,952							4,722	BEYOND93	
102	340547-05 RAHWAY VALLEY SA	3,356							3,879	BEYOND93	
103	340821-03 ROCKAWAY VALLEY REG SA	12,531							14,315	BEYOND93	
104	340684-04 NORTHEAST MONMOUTH COUNTY RSA	6,851							8,264	BEYOND93	
105	340390-05 WANAUKE VALLEY REG SA	2,189							2,501	BEYOND93	
106	340886-01 PARSIPPANY-TROY HILLS TWP	1,001							1,198	BEYOND93	
107	340682-05 LINDEN-ROSELLE SA	15,238							18,281	BEYOND93	
108	340775-03 WESTERN MONMOUTH UA	4,500							5,325	BEYOND93	

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

Cat 1 - Secondary/Sludge/Septage Treatment
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Cat 5 - Correction of Combined Sewer Overflows

Cat 2 - Advanced Treatment
Cat 4A- New Collectors & Appurtenances

Cat 3A- Infiltration/Inflow Correction
Cat 4B- New Interceptors & Appurtenances

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			
109	340661-06 CAPE MAY COUNTY MUA	9,457							11,697		BEYOND93
110	340929-01 WAYNE TOWNSHIP						1,360		1,836		BEYOND93
111	340607-03 N. BURLINGTON CO RSA (SOUTH)	3,264			2,754		5,304		12,179		BEYOND93
112	340820-03 LONG BRANCH SA	2,824							3,380		BEYOND93
113	340819-02 MT HOLLY SA	3,920							4,683		BEYOND93
114	340930-01 WASHINGTON TOWNSHIP MUA						1,178		1,474		BEYOND93
115	340895-02 WINSLOW TWP				2,108		316		2,912		BEYOND93
116	340526-03 GLOUCESTER CO UA (MONROE)	1,295	561		281				2,576		BEYOND93
117	340897-01 SOUTH BRUNSWICK TOWNSHIP						896		1,121		BEYOND93
118	340810-04 LOWER TOWNSHIP MUA	3,750							4,671		BEYOND93
119	340478-05 ROCKAWAY TOWNSHIP	5,549			1,087		6,990		14,897		BEYOND93
120	340810-03 LOWER TOWNSHIP MUA						2,108		2,595		BEYOND93

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

Cat 1 - Secondary/Sludge/Septage Treatment
 Cat 3B- Major Sewer System Rehabilitation
 Cat 5 - Correction of Combined Sewer Overflows

Cat 2 - Advanced Treatment
 Cat 4A- New Collectors & Appurtenances

Cat 3A- Infiltration/Inflow Correction
 Cat 4B- New Interceptors & Appurtenances

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			
121	340875-01 VOORHEES TOWNSHIP				116		1,043		1,176	BEYOND93
122	340883-01 ASBURY PARK CITY	527							659	BEYOND93
123	340931-02 MONTVILLE TOWNSHIP MUA						12,820		15,127	BEYOND93
124	340811-03 BURLINGTON COUNTY BOARD OF FREEHOLDERS	3,258							3,897	BEYOND93
125	340650-03 MANCHESTER TWP MUA				687		6,185		7,014	BEYOND93
126	340382-02 BERNARDS TOWNSHIP SA				1,473		2,390		4,211	BEYOND93
127	340545-03 GLASSBORO BOROUGH				2,277		569		3,297	BEYOND93
128	340905-01 RINGWOOD BOROUGH S.A.	6,324		105	1,265		3,162		12,137	BEYOND93
129	340418-05 OAKLAND BOROUGH				5,950		26,250		37,815	BEYOND93
130	340745-02 VERNON TWP	5,050							6,025	BEYOND93
131	340434-02 WANAQUE BOROUGH				104		108		226	BEYOND93
132	340461-04 GLOUCESTER COUNTY UA (FRANKLIN TWP)				4,216		1,265		6,300	BEYOND93

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

Cat 1 - Secondary/Sludge/Septage Treatment
Cat 3B- Major Sewer System Rehabilitation
Cat 5 - Correction of Combined Sewer Overflows

Cat 2 - Advanced Treatment
Cat 4A- New Collectors & Appurtenances

Cat 3A- Infiltration/Inflow Correction
Cat 4B- New Interceptors & Appurtenances

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			
133	340592-03 MANNAH TOWNSHIP				598		5,386	6,109	BEYOND93
134	340526-12 GLOUCESTER CO UA (MANTUA)				454		842	1,361	BEYOND93
135	340403-04 CHATHAM TOWNSHIP				2,040		1,326	3,772	BEYOND93
136	340372-10 OCEAN COUNTY UA				4,800		3,500	10,010	BEYOND93
137	340634-03 BLOOMINGDALE BOROUGH				250		2,592	3,033	BEYOND93
138	340760-03 WANTAGE TWP	393						476	BEYOND93
139	340879-01 STAFFORD MUA	843			843			1,860	BEYOND93
140	340852-02 BRANCBURG TOWNSHIP				49		442	565	BEYOND93
141	340909-01 UPPER SADDLE RIVER, BOROUGH OF				99		892	1,201	BEYOND93
142	340569-02 BYRAM TOWNSHIP	560						677	BEYOND93
143	340404-05 PASSAIC TWP				1,122		10,099	11,449	BEYOND93
144	340607-04 N. BURLINGTON CO RSA (NORTH)				5,040			6,013	BEYOND93

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

Cat 1 - Secondary/Sludge/Septage Treatment
Cat 3B- Major Sewer System Rehabilitation
Cat 5 - Correction of Combined Sewer Overflows

Cat 2 - Advanced Treatment
Cat 4A- New Collectors & Appurtenances

Cat 3A- Infiltration/Inflow Correction
Cat 4B- New Interceptors & Appurtenances

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			
145 *	340944-01 CHESTERFIELD TOWNSHIP	5,133	1,711		6,789			16,049	16,049	T 930730
146	340705-03 CARLSTADT BA				374		3,652	4,290		BEYOND93
147	340805-02 MILFORD BOROUGH	2,604		456				3,431		BEYOND93
148	340737-01 MAHWAH TOWNSHIP	158						193		BEYOND93
149	340759-02 SUBSEX CO-BRANCHVILLE/FRANKFORD	2,213						2,556		BEYOND93
150	340874-01 CHESTER BOROUGH	949						1,178		BEYOND93
151	340489-03 WHARTON BOROUGH				42		379	501		BEYOND93
152 *	340790-02 BERLIN TOWNSHIP						9,835	11,847	11,847	T 930730
153	340742-02 FRANKFORD TWP				196		1,767	2,007		BEYOND93
154	340857-01 ATLANTIC HIGHLANDS BOROUGH					917	397	1,643		BEYOND93
155	340568-02 BLAIRSTOWN TWP						1,092	1,500		BEYOND93
156 *	340945-04 OLD BRIDGE MUA				20,400		5,590	31,053	31,053	T 930730

NOTE * - Project(s) indicating anticipated compliance with FFY 93/FFY 94 project document submittal dates as established per the Project Status/Project Bypassing provisions of the FFY 93 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 3B- Major Sewer System Rehabilitation
Cat 5 - Correction of Combined Sewer Overflows

Cat 2 - Advanced Treatment
Cat 4A- New Collectors & Appurtenances

Cat 3A- Infiltration/Inflow Correction
Cat 4B- New Interceptors & Appurtenances

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			
157	340466-03 DENVILLE TOWNSHIP				1,439		12,737	14,380	BEYOND93
158	340951-01 WASHINGTON TOWNSHIP MUA	4,530					2,670	8,696	BEYOND93
159	340648-03 HOPEWELL TOWNSHIP MUA	5,461						5,814	BEYOND93
160	340498-01 MINE HILL TOWNSHIP				290		2,838	3,190	BEYOND93
161	340860-01 EGG HARBOR TOWNSHIP MUA				830		3,652	4,685	BEYOND93
162	340729-01 RIVERDALE BOROUGH				112		1,161	1,305	BEYOND93
163	340473-01 RIVERDALE BOROUGH				3,265			4,002	BEYOND93
164	340592-06 MAHWAH TOWNSHIP				449		4,039	4,583	BEYOND93
165	340778-03 WEST PATERSON BOROUGH						1,437	1,865	BEYOND93
166	340838-01 EVESHAM MUA	2,747						3,288	BEYOND93
167 *	340622-04 WALL TOWNSHIP (MANASQUAN PARK)						5,991	7,248	7,248 T 930730
168	340487-02 KINNELON BOROUGH				673		6,968	8,107	BEYOND93

NOTE * - Project(s) indicating anticipated compliance with FFY 93/BFY 94 project document submittal dates as established per the Project Status/Project Bypassing provisions of the FFY 93 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 3B- Major Sewer System Rehabilitation
Cat 5 - Correction of Combined Sewer Overflows

Cat 2 - Advanced Treatment
Cat 4A- New Collectors & Appurtenances

Cat 3A- Infiltration/Inflow Correction
Cat 4B- New Interceptors & Appurtenances

STATE OF NEW JERSEY
FEDERAL FISCAL YEAR 1993 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			
169	340872-01 HOPE TOWNSHIP	356							449		BEYOND93
170	340480-06 PEQUANNOCK TOWNSHIP				865		6,287		8,638		BEYOND93
171	340638-03 BRIDGEWATER TOWNSHIP				133	52	1,482		1,686		BEYOND93
172	340899-01 BEACHWOOD SEWERAGE AUTHORITY				211		1,897		2,595		BEYOND93
173	340754-03 MIDDLE TWP (RIO GRANDE)				1,054		5,481		6,761		BEYOND93
174	340624-05 WEST CAPE MAY BOROUGH	407							465		BEYOND93
175	340485-04 RARITAN TOWNSHIP MUA	6,570							7,993		BEYOND93
176 *	340480-03 PEQUANNOCK TOWNSHIP						3,400		4,137	4,137	**
177	340934-01 BOONTON TOWN						2,770		3,041		BEYOND93
178	340619-03 UPPER TWP (STRATHMERE)				171		1,536		1,753		BEYOND93
179 *	340480-05 PEQUANNOCK TOWNSHIP				176		4,662		5,866	5,866	T 930730
180	340740-02 BRANCHVILLE BOROUGH				223		2,005		2,263		BEYOND93

NOTE * - Project(s) indicating anticipated compliance with FFY 93/SFY 94 project document submittal dates as established per the Project Status/Project Bypassing provisions of the FFY 93 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) anticipated to be certified for potential State Wastewater Treatment Financing in State FY93.

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

Cat 1 - Secondary/Sludge/Septage Treatment
Cat 3B- Major Sewer System Rehabilitation
Cat 5 - Correction of Combined Sewer Overflows

Cat 2 - Advanced Treatment
Cat 4A- New Collectors & Appurtenances

Cat 3A- Infiltration/Inflow Correction
Cat 4B- New Interceptors & Appurtenances

FEDERAL FISCAL YEAR 1993 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			
181	340892-01 GALLOWAY TWP				2,108		1,581	4,176	BEYOND93
182 *	340937-02 BERKELEY TOWNSHIP SA						1,820	2,230	2,230 T 930730
183 *	340937-01 BERKELEY TOWNSHIP SA						3,100	3,729	3,729 **
184	340691-03 MIDDLE TWP (DEL HAVEN)				422		2,530	3,040	BEYOND93
185	340750-03 OCEAN TWP SA				232		2,087	2,369	BEYOND93
186 *	340831-01 SHAMONG TWP	1,988						2,360	2,360 T 930730
187	340836-01 PLAINSBORO TOWNSHIP				153		1,377	1,572	BEYOND93
188	340839-01 FRANKLIN TWP SA				610		544	1,444	BEYOND93
189	340918-01 CLAYTON SA/SILVER LAKE						490	620	BEYOND93
190	340870-01 PENNSVILLE SA						1,581	1,818	BEYOND93
191	340833-01 BUENA BOROUGH MUA	509						582	BEYOND93
192 *	340946-01 STAFFORD MUA						1,343	1,649	1,649 T 930730

NOTE * - Project(s) indicating anticipated compliance with FFY 93/SFY 94 project document submittal dates as established per the Project Status/Project Bypassing provisions of the FFY 93 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) anticipated to be certified for potential State Wastewater Treatment Financing in State FY93.

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

Cat 1 - Secondary/Sludge/Septage Treatment

Cat 3B- Major Sewer System Rehabilitation

Cat 5 - Correction of Combined Sewer Overflows

Cat 2 - Advanced Treatment

Cat 4A- New Collectors & Appurtenances

Cat 3A- Infiltration/Inflow Correction

Cat 4B- New Interceptors & Appurtenances

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			
193	340918-02 CLAYTON SA/HILLSIDE				556		94		819		BEYOND93
194	340594-02 LINCOLN PARK BOROUGH				319		2,870		3,234		BEYOND93
195 *	340945-01 OLD BRIDGE MUA						1,385		1,701	1,701	T 930730
196 *	340781-03 RARITAN BOROUGH						387		483	483	T 930730
197	340624-04 WEST CAPE MAY BOROUGH						385		443		BEYOND93
198	340433-08 WOODBIDGE TOWNSHIP						25		30		BEYOND93
199	340680-05 MIDDLESEX COUNTY UA	1,018							1,163		BEYOND93
200	340637-04 MIDDLESEX COUNTY UA				15,618				18,550		BEYOND93
201	340768-02 BERGEN COUNTY UA				15,710				18,762		BEYOND93
202	340817-02 MT HOLLY SA	1,102							1,259		BEYOND93
203	340340-03 JT MEETING-ESSEX & UNION				10,182				12,096		BEYOND93
204	340815-02 NEWARK CITY				5,534		15,494		22,385		BEYOND93

NOTE * - Project(s) indicating anticipated compliance with FFY 93/SFY 94 project document submittal dates as established per the Project Status/Project Bypassing provisions of the FFY 93 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 3B- Major Sewer System Rehabilitation
Cat 5 - Correction of Combined Sewer Overflows

Cat 2 - Advanced Treatment
Cat 4A- New Collectors & Appurtenances

Cat 3A- Infiltration/Inflow Correction
Cat 4B- New Interceptors & Appurtenances

Rank	Loan /Seq No Recipient	Eligible Category Cost Breakdown (Total Building Costs)							Total Eligible Project Costs	Total State Amount	Est St Cert Date
		Cat 1	Cat 2	Cat 3A	Cat 4B	Cat 3B	Cat 4A	Cat 5			
205	340806-03 PARSIPPANY-TROY HILLS TWP	246							281	BEYOND93	
206	340809-02 ATLANTIC COUNTY UA (CSTL)	923							1,054	BEYOND93	
207	340547-03 RAHWAY VALLEY SA			4,482					5,356	BEYOND93	
208	340902-01 GLOUCESTER COUNTY UA	3,723							4,449	BEYOND93	
209	340850-01 PATERSON CITY			274		21,862			22,195	BEYOND93	
210	340801-03 SOMERSET-RARITAN VALLEY SA	1,054							1,258	BEYOND93	
211	340834-01 NUTLEY TOWNSHIP					1,549			1,782	BEYOND93	
212	340942-01 ELIZABETH CITY			6,200					6,918	BEYOND93	
213	340756-02 ROCKAWAY VALLEY REG SA			4,482					5,352	BEYOND93	
214	340700-06 NORTHWEST BERGEN CO UA			6,076					7,243	BEYOND93	
215	340843-01 EAST ORANGE CITY			144		1,759			2,032	BEYOND93	
216	340844-01 CLIFTON CITY			11,444					11,666	BEYOND93	

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

Cat 1 - Secondary/Sludge/Septage Treatment
Cat 3B- Major Sewer System Rehabilitation
Cat 5 - Correction of Combined Sewer Overflows

Cat 2 - Advanced Treatment
Cat 4A- New Collectors & Appurtenances

Cat 3A- Infiltration/Inflow Correction
Cat 4B- New Interceptors & Appurtenances

STATE OF NEW JERSEY
FEDERAL FISCAL YEAR 1993 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			
217	340433-04 WOODBRIIDGE TOWNSHIP			807					973		BEYOND93
218	340391-05 EWING-LAWRENCE SA			2,387					2,935		BEYOND93
219	340890-01 IRVINGTON TOWN			405		1,198			1,672		BEYOND93
220 *	340949-01 PLAINFIELD, N. PLAINFIELD, DUNELLEN JM					1,025			1,264	1,264	T 930730
221	340804-03 SALEM COUNTY BD OF CHOSEN FREEHOLDERS	5,162							6,158		BEYOND93
222	340845-01 PASSAIC CITY			393		3,625			4,285		BEYOND93
223	340700-05 NORTHWEST BERGEN CO UA	1,683							2,020		BEYOND93
224	340393-07 WAYNE TOWNSHIP			1,500					1,947		BEYOND93
225	340410-04 NEPTUNE TWP SA			3,369					4,029		BEYOND93
226	340865-01 WEST ORANGE TOWNSHIP				8,466	847			11,555		BEYOND93
227	340437-03 NEW BRUNSWICK CITY				1,830				2,304		BEYOND93
228	340832-02 MANASQUAN RIVER REG SA				1,159				1,547		BEYOND93

NOTE * - Project(s) indicating anticipated compliance with FFY 93/BFY 94 project document submittal dates as established per the Project Status/Project Bypassing provisions of the FFY 93 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 3B- Major Sewer System Rehabilitation
Cat 5 - Correction of Combined Sewer Overflows

Cat 2 - Advanced Treatment
Cat 4A- New Collectors & Appurtenances

Cat 3A- Infiltration/Inflow Correction
Cat 4B- New Interceptors & Appurtenances

FEDERAL FISCAL YEAR 1993 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			
229	340837-01 MONTCLAIR TOWN			290		1,144	95	1,579	BEYOND93
230	340344-03 ATLANTIC COUNTY UA			9,186				10,250	BEYOND93
231	340853-01 FORT LEE BOROUGH					481		553	BEYOND93
232	340859-01 ORANGE CITY			392		1,925		2,399	BEYOND93
233	340779-02 PEQUANNOCK RIVER BASIN RSA				106	1,150		1,472	BEYOND93
234	340895-01 WINSLOW TWP			422				530	BEYOND93
235	340769-02 BERGEN COUNTY UA (TRIBORD)			1,150				1,384	BEYOND93
236	340639-07 RIDGEWOOD VILLAGE	2,189		2,375				5,111	BEYOND93
237	340858-01 CRANFORD TOWNSHIP			443				555	BEYOND93
238	340715-03 MADISON-CHATHAM JOINT MEETING			553				669	BEYOND93
239 *	340866-01 SOUTH BRUNSWICK TOWNSHIP			260				327	327 T 930730
240	340443-05 EDGEWATER BOROUGH			366		1,935		2,353	BEYOND93

NOTE * - Project(s) indicating anticipated compliance with FFY 93/8FY 94 project document submittal dates as established per the Project Status/Project Bypassing provisions of the FFY 93 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 3B- Major Sewer System Rehabilitation
 Cat 5 - Correction of Combined Sewer Overflows

Cat 2 - Advanced Treatment
 Cat 4A- New Collectors & Appurtenances

Cat 3A- Infiltration/Inflow Correction
 Cat 4B- New Interceptors & Appurtenances

STATE OF NEW JERSEY
FEDERAL FISCAL YEAR 1993 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			
241	340906-03 HILLSIDE TOWNSHIP			190		601		834	BEYOND93
242 *	340950-01 SOUTH PLAINFIELD BOROUGH				7,700			9,294	9,294 T 930730
243 *	340947-01 WEST DEPTFORD TOWNSHIP					2,100		2,568	2,568 T 930730
244 *	340939-01 CARTERET BOROUGH			900		1,100		2,447	2,447 T 930730
245	340829-01 BRIDGETON CITY			328				375	BEYOND93
246	340863-01 ELMWOOD PARK BOROUGH			94		683		798	BEYOND93
247	340922-01 DUMONT BOROUGH					2,717		3,148	BEYOND93
248	340400-03 STONY BROOK REGIONAL SA			393				476	BEYOND93
249	340884-01 ASBURY PARK CITY						1,581	1,818	BEYOND93
250 *	340945-02 OLD BRIDGE MUA			5,390				6,533	6,533 T 930730
251	340376-04 MORRISTOWN TOWN			6,600				8,306	BEYOND93
252 *	340640-05 CAMDEN COUNTY MUA	2,500			1,000			4,257	4,257 T 930730

NOTE * - Project(s) indicating anticipated compliance with FFY 93/SFY 94 project document submittal dates as established per the Project Status/Project Bypassing provisions of the FFY 93 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 3B- Major Sewer System Rehabilitation
Cat 5 - Correction of Combined Sewer Overflows

Cat 2 - Advanced Treatment
Cat 4A- New Collectors & Appurtenances

Cat 3A- Infiltration/Inflow Correction
Cat 4B- New Interceptors & Appurtenances

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			
253 *	340874-03 PHILLIPSBURG TOWN					478			574	574	**
254	340730-01 OCEAN CITY			39					47		BEYOND93
255	340580-04 WARREN CO LOPAT SA			1,809					2,170		BEYOND93
256	340382-03 BERNARDS TOWNSHIP SA			337					408		BEYOND93
257	340889-01 DOVER TOWN			664					807		BEYOND93
258	340752-01 PLEASANTVILLE CITY			151					191		BEYOND93
259	340533-04 VERONA BOROUGH			1,054					1,268		BEYOND93
260	340855-01 SPRINGFIELD TOWNSHIP			1,054					1,308		BEYOND93
261	340940-01 SOUTH RIVER BOROUGH					1,000			1,239		BEYOND93
262	340385-02 BERKELEY HEIGHTS TOWNSHIP			306					371		BEYOND93
263	340938-01 HIGHLAND PARK BOROUGH			2,000					2,457		BEYOND93
264 *	340578-04 MANVILLE BOROUGH			808		2,016			3,443	3,443	T 930730

NOTE * - Project(s) indicating anticipated compliance with FFY 93/SFY 94 project document submittal dates as established per the Project Status/Project Bypassing provisions of the FFY 93 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) anticipated to be certified for potential State Wastewater Treatment Financing in State FY93.

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

Cat 1 - Secondary/Sludge/Septage Treatment

Cat 3B- Major Sewer System Rehabilitation

Cat 5 - Correction of Combined Sewer Overflows

Cat 2 - Advanced Treatment

Cat 4A- New Collectors & Appurtenances

Cat 3A- Infiltration/Inflow Correction

Cat 4B- New Interceptors & Appurtenances

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			
265	340717-05 CEDAR GROVE TOWNSHIP			260					366		BEYOND93
266	340766-02 PARSIPPANY-TROY HILLS TWP			35					40		BEYOND93
267	340716-04 LITTLE FALLS MUA			444					540		BEYOND93
268	340381-05 ROXBURY TWP			962					1,153		BEYOND93
269	340803-03 HACKETTSTOWN MUA	451							516		BEYOND93
270	340667-01 VENTNOR CITY			1,273					1,530		BEYOND93
271 *	340618-01 SOMERS POINT CITY			77					98	98	T 930730
272	340778-01 TOTOWA BOROUGH			700					799		BEYOND93
273	340862-01 WESTWOOD BOROUGH			1,581			2,108		4,186		BEYOND93
274	340841-01 RIVER EDGE BOROUGH			320					384		BEYOND93
275	340780-02 WANAQUE VALLEY REG SA/WANAQUE BOROUGH					1,000			1,164		BEYOND93
276	340326-04 SAYREVILLE BOROUGH			168					205		BEYOND93

NOTE * - Project(s) indicating anticipated compliance with FFY 93/FFY 94 project document submittal dates as established per the Project Status/Project Bypassing provisions of the FFY 93 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 3B- Major Sewer System Rehabilitation
Cat 5 - Correction of Combined Sewer Overflows

Cat 2 - Advanced Treatment
Cat 4A- New Collectors & Appurtenances

Cat 3A- Infiltration/Inflow Correction
Cat 4B- New Interceptors & Appurtenances

FEDERAL FISCAL YEAR 1993 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	340517-01 FAIRVIEW BOROUGH			1,027					1,274		BEYOND93
278	340827-01 BRIGANTINE CITY			2,213					2,653		BEYOND93
279	340666-01 MARGATE CITY			602					727		BEYOND93
280	340852-01 BRANCHBURG TOWNSHIP			2,108					2,795		BEYOND93
281 *	340932-01 CHATHAM BOROUGH			1,000					1,234	1,234	T 930730
282 *	340877-01 HADDON HEIGHTS BOROUGH			614					736	736	T 930730
283	340914-01 BOGOTA BOROUGH			103			30		171		BEYOND93
284	340861-01 GLEN RIDGE BOROUGH			46		188			244		BEYOND93
285	340326-06 SOUTH AMBOY CITY			168					205		BEYOND93
286	340404-04 PASSAIC TWP			100		500			757		BEYOND93
287	340846-01 MONTVALE BOROUGH			71					88		BEYOND93
288	340816-03 BERNARDSVILLE BOROUGH			809					872		BEYOND93

NOTE * - Project(s) indicating anticipated compliance with FFY 93/8FY 94 project document submittal dates as established per the Project Status/Project Bypassing provisions of the FFY 93 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 3B- Major Sewer System Rehabilitation
 Cat 5 - Correction of Combined Sewer Overflows

Cat 2 - Advanced Treatment
 Cat 4A- New Collectors & Appurtenances

Cat 3A- Infiltration/Inflow Correction
 Cat 4B- New Interceptors & Appurtenances

STATE OF NEW JERSEY
FEDERAL FISCAL YEAR 1993 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			
289	340916-01 DUNELLEN BOROUGH					3,000		3,450	BEYOND93	
290	340426-06 N ARLINGTON - LYNDHURST JT MTG (NARL)			150				185	BEYOND93	
291	340479-02 POINT PLEASANT BEACH BOROUGH			1,107				1,371	BEYOND93	
292	340840-01 SPRING LAKES HEIGHTS, BOROUGH OF			111				142	BEYOND93	
293	340911-01 MANASQUAN BOROUGH			1,391		843		2,564	BEYOND93	
294	340901-01 HIGHLANDS BOROUGH			622				776	BEYOND93	
295	340664-01 WILDWOOD CITY			400				484	BEYOND93	
296	340326-07 BAYREVILLE BOROUGH				3,527			4,218	BEYOND93	
297	340719-01 WILDWOOD CREST BOROUGH			179				218	BEYOND93	
298	340426-05 N ARLINGTON-LYNDHURST JT MTG (LYND)			200				246	BEYOND93	
299	340917-02 DELAWARE TOWNSHIP MUA					300		387	BEYOND93	
300	340882-01 LAMBERTVILLE SA			182		319		637	BEYOND93	

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

Cat 1 - Secondary/Sludge/Septage Treatment
Cat 3B- Major Sewer System Rehabilitation
Cat 5 - Correction of Combined Sewer Overflows

Cat 2 - Advanced Treatment
Cat 4A- New Collectors & Appurtenances

Cat 3A- Infiltration/Inflow Correction
Cat 4B- New Interceptors & Appurtenances

FEDERAL FISCAL YEAR 1993 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			
301 *	340945-03 OLD BRIDGE MUA					667			826	826	T 930730
302	340842-01 HIGH BRIDGE BOROUGH			236					304		BEYOND93
303	340504-02 STANHOPE BOROUGH			289					351		BEYOND93
304	340659-01 SEA ISLE CITY			470					569		BEYOND93
305 *	340849-01 WOODLYNNE BOROUGH					3,203			3,899	3,899	T 930730
306	340864-01 AVALON BOROUGH			738		158			1,048		BEYOND93
307	340822-01 PEAPACK & GLADSTONE BOROUGH			85					104		BEYOND93
308	340873-01 CLINTON TWP SEWERAGE AUTHORITY					110			147		BEYOND93
309	340412-08 DEAL BOROUGH			900					1,085		BEYOND93
310	340848-01 EAST NEWARK BOROUGH			96		85			203		BEYOND93
311	340907-01 ISLAND HEIGHTS BOROUGH			63		295			376		BEYOND93
312	340876-02 CHESTER BOROUGH	718	132						1,051		BEYOND93

NOTE * - Project(s) indicating anticipated compliance with FFY 93/SFY 94 project document submittal dates as established per the Project Status/Project Bypassing provisions of the FFY 93 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 3B- Major Sewer System Rehabilitation

Cat 5 - Correction of Combined Sewer Overflows

Cat 2 - Advanced Treatment

Cat 4A- New Collectors & Appurtenances

Cat 3A- Infiltration/Inflow Correction

Cat 4B- New Interceptors & Appurtenances

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			
313	340590-02 BAY HEAD BOROUGH			122				149	BEYOND93
314	340722-01 STONE HARBOR BOROUGH			178				217	BEYOND93
315	340753-01 EGG HARBOR TOWNSHIP MUA			80				97	BEYOND93
316	340665-01 LONGPORT BOROUGH			166				203	BEYOND93
317	340935-02 MANSFIELD TOWNSHIP			100				137	BEYOND93
318	340761-02 ROOSEVELT BOROUGH					1,100		1,324	BEYOND93
319	340691-05 MIDDLE TWP (CAPE MAY COURT HOUSE)			127			411	559	BEYOND93
320	340626-03 WEST WILDWOOD BOROUGH			396				479	BEYOND93

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

Cat 1 - Secondary/Sludge/Septage Treatment
Cat 3B- Major Sewer System Rehabilitation
Cat 5 - Correction of Combined Sewer Overflows

Cat 2 - Advanced Treatment
Cat 4A- New Collectors & Appurtenances

Cat 3A- Infiltration/Inflow Correction
Cat 4B- New Interceptors & Appurtenances



PROJECT NARRATIVES

NEW JERSEY STATE LIBRARY

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : RAHWAY VALLEY SA

Project No. : 340547-04 Eligible Project Cost : \$4,454,468
 FY93 RANK : 1.0
 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
CSD Abatement	250	250
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	250

Population .02669
 TOTAL POINTS 800.02669

Project Name, Number

Priority List Rank

Rahway Valley Sewerage Authority (City of Rahway)
340547-04
Combined Sewer Overflow Abatement

1

County

Union

Service Area

Rahway City

Existing Population

26,686

Need for Project

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

Project Description

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

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : FLEMINGTON BOROUGH

Project No. : 340440-03 Eligible Project Cost : \$399,993
 FY93 RANK : 2.0
 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
CSD Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	250

Population .00427

TOTAL POINTS 775.00427

Project Name, Number

Priority List Rank

Flemington Borough
340440-03
Major Sewer System Rehabilitation

2

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 : NEW BRUNSWICK CITY

Project No. : 340437-02 Eligible Project Cost : \$6,660,000

FY93 RANK : 3.0

County : MIDDLESEX Total State Amount : \$6,660,000

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	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	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
CSD Abatement	250	250
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	250

Population .03986

TOTAL POINTS 750.03986

Project Name, Number

Priority List Rank

New Brunswick City
340437-02
Combined Sewer Overflow (CSO) Abatement

3

County

Middlesex

Service Area

New Brunswick City

Existing Population

39,858

Need for Project

The wastewater from the City of New Brunswick is carried by collection sewers to a main interceptor which transports the flow to the Middlesex County Utilities Authority's Edward J. Patten Sewage Treatment Plant. There is, however, one combined sewer overflow at Albany Street which discharges untreated wastewater during rain events into the Raritan River. The Raritan River is a nontrout, fishable river which is not meeting fecal coliform and nutrients standards and is only marginally meeting dissolved oxygen and toxics standards. Shellfish harvesting and primary contact recreation are adversely impacted by poor water quality.

Project Description

Several alternatives for the remediation of the CSO system will be investigated. 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 : PERTH AMBOY CITY

Project No. : 340435-04 Eligible Project Cost : \$29,654,027
 FY93 RANK : 4.0
 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
CSO Abatement	250	250
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	250

Population .03733
 TOTAL POINTS 750.03733

Project Name, Number

Priority List Rank

Perth Amboy City
340435-04
Combined Sewer Overflow Abatement

4

County

Middlesex

Service Area

City of Perth Amboy

Existing Population

37,330

Need for Project

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

Project Description

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

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : HOPATCONG BOROUGH

Project No. : 340488-03 Eligible Project Cost : \$23,932,885

FY93 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	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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population .01509

TOTAL POINTS 725.01509

Project Name, Number

Priority List Rank

Hopatcong Borough
340488-03
Collection System/ Individ. Systems

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

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : MUSCONETCONG SA

Project No. : 340384-05 Eligible Project Cost : \$26,314,530

FY93 RANK : 6.0

County : SUSSEX/MORRIS Total State Amount : \$26,314,530

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	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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	1

	SUBTOTAL	1

Population .03340
TOTAL POINTS 676.03340

Project Name, Number

Priority List Rank

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

6

County

Morris/Sussex

Service Area

Borough of Hopatcong and in-basin portion of Jefferson

Existing Population

33,400

Need for Project

The proposed project will help attain water quality standards in Lake Hopatcong. Water quality currently does not meet standards for dissolved oxygen, fecal coliform, and nutrients, and only marginally meets standards for toxics. During drought emergencies, the lake is used to supplement potable water supplies serving the heavily population areas of northeast New Jersey. The lake is also used for trout fishing and primary contact recreation. On-site systems in the Borough of Hopatcong and Jefferson Township are failing due to unsuitable soils.

STP (level of treatment)	Flow (mgd)		Effluent	
	Design	Present	BOD Reported % - mg/l	SS Reported % - mg/l
Musconetcong SA (NJ0027821)	2.2	1.064	91.3 - 17.5	88.9 - 20.1

Project Description

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

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : MUSCONETCONG SA

Project No. : 340384-04 Eligible Project Cost : \$15,022,175
 FY93 RANK : 7.0
 County : SUSSEX/MORRIS Total State Amount : \$15,022,175

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	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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	1
	SUBTOTAL	1

Population .01280
 TOTAL POINTS 676.01280

Project Name, Number

Priority List Rank

Musconetcong SA
340384-04
STP Expansion

7

County

Sussex/Morris

Service Area

The in-basin portions of Mt. Arlington Borough and Roxbury Township and the Budd Lake area of Mt. Olive Township

Existing Population

12,800

Need for Project

The proposed project will help improve water quality conditions in Lake Hopatcong and Budd Lake. Water quality currently does not meet standards for dissolved oxygen, fecal coliform, and nutrients and only marginally meets standards for toxics. During drought emergencies, Lake Hopatcong is used to supplement potable water supplies serving the heavily populated areas of northeast New Jersey as well as for trout fishing and primary contact recreation. On-site systems in the Borough of Mt. Arlington are failing due to unsuitable soils and are impacting Lake Hopatcong. Budd Lake is the largest natural lake in the State of New Jersey and is the headwaters of the South Branch Raritan River. The South Branch Raritan River has been classified as a category one water with various segments of the river being designated as trout production, trout maintenance and non-trout. In addition, the South Branch Raritan River is used by downstream communities as a source of potable water.

<u>STP (level of treatment)</u>	<u>Flow (mgd)</u>		<u>Effluent</u>	
	<u>Design</u>	<u>Present</u>	<u>BOD Reported</u> % - mg/l	<u>SS Reported</u> % - mg/l
Musconetcong SA (MSA) (NJ0027821)	2.2	1.064	91.3 - 17.5	88.9 - 20.1

Project Description

The proposed project includes expansion of the STP by 1.40 MGD and extension of the MSA interceptor from the Roxbury/Mt. Arlington Border through Mt. Arlington. Not included in the scope of this project are the sanitary sewer collection systems which will be constructed in the Borough of Mt. Arlington, the Budd Lake section of Mt. Olive Township and Roxbury Township.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : BRIDGEWATER TOWNSHIP

Project No. : 340638-04 Eligible Project Cost : \$1,307,637
 FY93 RANK : 8.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	250

Population .01220
TOTAL POINTS 675.01220

Project Name, Number

Priority List Rank

Township of Bridgewater
340638-04
Sewer Rehabilitation

8

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
 FY93 RANK : 9.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0

	SUBTOTAL	50

Population .00869
 TOTAL POINTS 675.00869

Project Name, Number

Priority List Rank

Jefferson Township
340747-05
Collection System/ Individ. Systems

9

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.

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

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

Project Description

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

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : RARITAN BOROUGH

Project No. : 340781-04 Eligible Project Cost : \$283,259
 FY93 RANK : 10.0
 County : SOMERSET Total State Amount : \$283,259

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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	0

	SUBTOTAL	250

Population .00599
 TOTAL POINTS 675.00599

Project Name, Number

Priority List Rank

Raritan Borough
340781-04
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 of Raritan are at least 75 years old and have never been rehabilitated. The infiltration/inflow (I/I) resulting from sewer pipe decay is estimated at 40-50 percent of the total flow from the Borough. This condition results in raw sewage overflows which adversely impact the Raritan River by contributing to the elevated nutrient and bacteriological levels in the River, which is classified as FW2-NT. Toxic levels marginally meet existing standards. The River is used as an industrial water supply and as a potable water supply for the Elizabethtown Water Company.

Project Description

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

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : MOUNT ARLINGTON BOROUGH

Project No. : 340541-03 Eligible Project Cost : \$12,685,698
 FY93 RANK : 11.0
 County : MORRIS Total State Amount : \$12,685,698

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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0

	SUBTOTAL	50

Population .00366

TOTAL POINTS 675.00366

Project Name, Number

Priority List Rank

Mount Arlington Borough
340541-03
Collection System

11

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 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. There are some facilities in the Borough which are experiencing sewage discharge problems. One such facility is the Mt. Arlington Sanitation Corp. which has a NJPDES Permit to cease discharge. A sewer system will also be required to handle flows from Mount Laurel and other high density housing programs proposed within the Borough.

Project Description

This project will include an extension of a recently constructed interceptor in the Township of Roxbury into the Borough of Mount Arlington and the construction of a collection system within the Borough.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : TRIBORO-PALMYRA

Project No. : 340763-04 Eligible Project Cost : \$3,425,000
 FY93 RANK : 12.0
 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
CSD Abatement	250	0
Inadequate Secondary Treatment	200	200
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	200

Population .00724

TOTAL POINTS 650.00724

Project Name, Number

Priority List Rank

Triboro - Palmyra
340763-04
STP

12

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.

<u>STP (level of treatment)</u>	<u>Flow (mgd)</u>		<u>Effluent</u>	
	<u>Design</u>	<u>Present</u>	<u>BOD Reported</u> % - mg/l	<u>SS Reported</u> % - mg/l
Palmyra (Secondary) (NJ0024449)	0.53	0.58	88.7 - 23.9	81.5 - 27.6

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 : WEST MILFORD TWP MUA

Project No. : 340701-03 Eligible Project Cost : \$437,800
 FY93 RANK : 13.0
 County : PASSAIC Total State Amount : \$437,800

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	250
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	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	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	250
CSD Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	250

Population .00050

TOTAL POINTS 625.00050

Project Name, Number

Priority List Rank

West Milford Township MUA
340701-03

13

Infiltration/Inflow Correction - Overflow

County

Passaic

Service Area

Awosting STP area of West Milford Township

Existing Population

500

Need for Project

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

Project Description

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

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : ORADELL BOROUGH

Project No. : 340835-01 Eligible Project Cost : \$258,644
 FY93 RANK : 14.0
 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
CSD Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	250

Population .00847

TOTAL POINTS 600.00847

Project Name, Number

Priority List Rank

Oradell Borough
340835-01
Infiltration/Inflow Correction-Overflow

14

County

Bergen

Service Area

Oradell Borough

Existing Population

8,469

Need for Project

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

Project Description

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

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : ATLANTIC COUNTY UA (UGEH/MRR)

Project No. : 340518-02	Eligible Project Cost	:	\$2,968,589
FY93 RANK : 15.0			
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
CSD Abatement	250	0
Inadequate Secondary Treatment	200	200
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	0

	SUBTOTAL	200

Population	.00682
TOTAL POINTS	600.00682

Project Name, Number

Priority List Rank

Atlantic Co. UA - Mullica Region
340518-02
P.S., F.M.

15

County

Atlantic

Service Area

Egg Harbor City

Existing Population

6,820

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, 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 fishing and shellfish harvesting are also affected.

<u>STP (level of treatment)</u>	<u>Flow (mgd)</u>		<u>Effluent</u>	
	<u>Design</u>	<u>Present</u>	<u>BOD Reported</u> % - mg/l	<u>SS Reported</u> % - mg/l
Egg Harbor City (secondary) (NJ0024589)	0.34	0.68	81.4 - 28.5	90.0 - 9.8

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 : PEQUANNOCK, LINCOLN, FAIRFIELD SA

Project No. : 340354-03 Eligible Project Cost : \$3,462,392
 FY93 RANK : 16.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	200
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	0

	SUBTOTAL	200

Population .00313
 TOTAL POINTS 600.00313

Project Name, Number

Priority List Rank

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

16

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.

<u>STP (level of treatment)</u>	<u>Flow (mgd)</u>		<u>Effluent</u>	
	<u>Design</u>	<u>Present</u>	<u>BOD Reported</u> % - mg/l	<u>SS Reported</u> % - 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 : BERGEN COUNTY UA

Project No. : 340768-03 Eligible Project Cost : \$14,890,649
 FY93 RANK : 17.0
 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
CSO Abatement	250	250
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	250

Population .37252

TOTAL POINTS 550.37252

Project Name, Number

Priority List Rank

Bergen County U.A.
340768-03
CSO Abatement

17

County

Bergen

Service Area

Bergenfield, Bogota, Carlstadt, Cliffside Park, Closter, Cresskill, Demarest, Dumont, East Rutherford, Emerson, Englewood, Englewood Cliffs, Fairview, Fort Lee, Hackensack, Harrington Park, Hasbrouck Heights, Haworth, Hillside, 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 : NORTH BERGEN TOWNSHIP/HUDSON CO UA

Project No. : 340652-02 Eligible Project Cost : \$19,197,765
 FY93 RANK : 18.0
 County : HUDSON Total State Amount : \$19,197,765

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	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
CSO Abatement	250	250
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	250

Population .03920
 TOTAL POINTS 550.03920

Project Name, Number

Priority List Rank

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

18

County

Hudson

Service Area

North Bergen (Area I)

Existing Population

39,200

Need for Project

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

Project Description

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

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : NORTH BERGEN TOWNSHIP/HUDSON CO UA

Project No. : 340652-03 Eligible Project Cost : \$5,395,396
 FY93 RANK : 19.0
 County : HUDSON Total State Amount : \$5,395,396

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	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	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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	200
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	200

Population .01982
TOTAL POINTS 550.01982

Project Name, Number

Priority List Rank

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

19

County

Hudson

Service Area

North Bergen (Area III)

Existing Population

19,822

Need for Project

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

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

Project Description

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

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : OAKLAND BOROUGH

Project No. : 340418-03 Eligible Project Cost : \$33,739,539
 FY93 RANK : 20.0
 County : BERGEN Total State Amount : \$33,739,539

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
CSD Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	1
	SUBTOTAL	1

Population .01300
 TOTAL POINTS 526.01300

Project Name, Number

Priority List Rank

Oakland Borough
340418-03
STP, Interceptor and Collection System

20

County

Bergen

Service Area

Borough of Oakland

Existing Population

13,000

Need for Project

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

Project Description

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

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : RINGWOOD BOROUGH SA

Project No. : 340483-02 Eligible Project Cost : \$10,866,357
 FY93 RANK : 21.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population .01328
 TOTAL POINTS 525.01328

Project Name, Number

Priority List Rank

Ringwood Borough Sewerage Authority
340483-02
STP, Int, Coll

21

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.

<u>STP (level of treatment)</u>	<u>Flow (mgd)</u>		<u>Effluent</u>	
	<u>Design</u>	<u>Present</u>	<u>BOD5 Reported</u> % - mg/l	<u>SS Reported</u> % - 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 Foragate 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 : WRIGHTSTOWN (WRIGHTSTOWN MUA)

Project No. : 340925-01 Eligible Project Cost : \$3,400,000
 FY93 RANK : 22.0
 County : BURLINGTON Total State Amount : \$3,400,000

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	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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	200
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	0
SUBTOTAL		200

Population .00315

TOTAL POINTS 525.00315

Project Name, Number

Priority List Rank

Wrightstown Borough
340925-01
STP

22

County

Burlington

Service Area

Wrightstown

Existing Population

3,146

Need for Project

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

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

Project Description

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

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : MIDDLE TWP SA (AVALON MANOR)

Project No. : 340720-03 Eligible Project Cost : \$834,297
 FY93 RANK : 23.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population .00008
 TOTAL POINTS 525.00008

Project Name, Number

Priority List Rank

Middle Township SA (Avalon Manor)
340720-03
Collection and Interceptor System

23

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.

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. Wastes will be conveyed to the Cape May County MUA Seven Mile Beach/Middle Region STP.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : SPARTA TOWNSHIP

Project No. : 340495-03 Eligible Project Cost : \$2,526,136
 FY93 RANK : 24.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	1
	SUBTOTAL	1

Population .01432
TOTAL POINTS 501.01432

Project Name, Number

Sparta Township
340495-03
STP, On-Site

Priority List Rank

24

County

Sussex

Service Area

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

Existing Population

14,319

Need for Project

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

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

Project Description

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

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : MIDDLESEX COUNTY UA

Project No. : 340699-05 Eligible Project Cost : \$211,344,000
 FY93 RANK : 25.0
 County : MIDDLESEX Total State Amount : \$211,344,000

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

	SUBTOTAL	250

B. Existing Water Quality

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

			SUBTOTAL	200

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
Primary Discharge	500	0
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0

	SUBTOTAL	50

Population .69438
 TOTAL POINTS 500.69438

Project Name, Number

Priority List Rank

Middlesex County Utilities Authority
340699-05
STP Expansion

25

County

Middlesex

Service Area

Most of Middlesex County and parts of Somerset and Union Counties

Existing Population

694,378

Need for Project

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

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

Project Description

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

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

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : HUDSON COUNTY UA/JERSEY CITY SA

Project No. : 340928-01 Eligible Project Cost : \$334,743,093
 FY93 RANK : 26.0
 County : HUDSON Total State Amount : \$334,743,093

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	0
SUBTOTAL				200

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
Primary Discharge	500	0
I/I Correction-Overflow	250	0
CSO Abatement	250	250
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	0
SUBTOTAL		250

Population .26646

TOTAL POINTS 500.26646

Project Name, Number

Priority List Rank

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

26

County

Hudson

Service Area

Jersey City, Kearny, Secaucus

Existing Population

266,455

Need for Project

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

Project Description

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

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

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : HUDSON COUNTY UA (HOBOKEN)

Project No. : 340399-09 Eligible Project Cost : \$12,472,509
 FY93 RANK : 27.0
 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
CSD Abatement	250	250
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	250

Population .19444
 TOTAL POINTS 500.19444

Project Name, Number

Priority List Rank

Hudson County Utilities Authority
340399-09
Combined Sewer Overflow Abatement

27

County

Hudson

Service Area

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

Existing Population

194,436

Need for Project

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

Project Description

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

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

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

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : ELIZABETH CITY

Project No. : 340942-02 Eligible Project Cost : \$69,291,640
 FY93 RANK : 28.0
 County : UNION Total State Amount : \$69,291,640

I. SEGMENT POINTS

A. Existing Water Conditions

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

B. Existing Water Quality

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

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
Primary Discharge	500	0
I/I Correction-Overflow	250	0
CSO Abatement	250	250
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	250

Population .10500

TOTAL POINTS 500.10500

Project Name, Number

Priority List Rank

Elizabeth City
340942-02
CSO Correction

28

County

Union

Service Area

City of Elizabeth

Existing Population

105,000

Need for Project

The City of Elizabeth is presently performing river studies required by Consent Order. Depending on the findings, the Department of Environmental Protection may require additional combined sewer overflow corrective work to abate the impact of overflows to the Elizabeth River. The discharge adversely impacts non-trout fishing and industrial water uses. Water quality does not meet standards for fecal coliform, nutrients and toxics.

Project Description

The proposed project is for the abatement of combined sewer overflows in the City of Elizabeth. The project involves the construction of ten (10) combined sewage storage tanks, one (1) swirl separator, seven (7) storage and/or flushing modules, and appurtenant piping, pumps, etc.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : LINDEN-ROSELLE SA

Project No. : 340299-04 Eligible Project Cost : \$10,178,773

FY93 RANK : 29.0

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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	250

Population .05819

TOTAL POINTS 500.05819

Project Name, Number

Priority List Rank

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

29

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

Project No. : 340639-05 Eligible Project Cost : \$1,825,558
 FY93 RANK : 30.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	0
SUBTOTAL		250

Population .02486
 TOTAL POINTS 500.02486

Project Name, Number

Priority List Rank

Ridgewood Village
340639-05
Infiltration/Inflow Correction-Overflow

30

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 : EDGEWATER BOROUGH

Project No. : 340443-04 Eligible Project Cost : \$127,271
 FY93 RANK : 31.0
 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
CSO Abatement	250	250
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	0

	SUBTOTAL	250

Population .00469
 TOTAL POINTS 500.00469

Project Name, Number

Priority List Rank

Edgewater Borough
340443-04
Combined Sewer Overflow Abatement

31

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 : CAPE MAY COUNTY MUA

Project No. : 340936-01 Eligible Project Cost : \$3,654,927

FY93 RANK : 32.0

County : CAPE MAY Total State Amount : \$3,654,927

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	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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	1
	SUBTOTAL	1

Population .00244

TOTAL POINTS 476.00244

Project Name, Number

Priority List Rank

Cape May County MUA
340936-01
Force Mains, Pump Stations and Interceptors

32

County

Cape May

Service Area

Garden Lakes, Burleigh and Mayville Areas of Middle Township

Existing Population

2,440

Need for Project

The existing wastewater treatment plant at Garden Lakes Mobil Home Park was required by its NJPDES Permit No. NJ0027197 to cease discharging by July 1, 1988. This plant has been in violation of its permit since that time as it continues to discharge. NJDEPE entered into an ACO on January 30, 1991 with the Garden Lakes Corporation and Cape May County MUA (CMCMUA) directing the Garden Lakes STP to connect to the regional interceptor which is to be built under this project by CMCMUA. The project is also needed to eliminate malfunctioning on-site systems in Burleigh and Mayville. The local collection system is not included in this scope of work, but will be constructed by Middle Township.

<u>STP (level of treatment)</u>	<u>Flow (mgd)</u>		<u>Effluent</u>	
	<u>Design</u>	<u>Present</u>	<u>BOD Reported</u> % - mg/l	<u>SS Reported</u> % - mg/l
Garden Lakes (NJ0027197)	0.056	0.034	92.73 - 12.21	91 - 14.04

Project Description

The proposed project includes the construction of pump stations and conveyance facilities for the flows from the Garden Lakes, Burleigh and Mayville Areas. The pump stations will have concrete manhole-type wet wells and an emergency generator. A below grade concrete metering room will be provided at the Mayville Pump Station. The total length of the interceptor under this project is about 3.5 miles for a total flow of 0.6 MGD. The pipe diameters are a 10-inch force main from the Burleigh Pump Station into a 12-inch gravity line and a 10-inch force main from the Mayville Pump Station along Bayberry Drive to the existing force main in Stone Harbor Boulevard which will transport the entire wasteflow to CMCMUA's Seven Mile Beach/Middle Region STP.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : PASSAIC VALLEY SC

Project No. : 340430-02 Eligible Project Cost : \$91,762,031
 FY93 RANK : 33.0
 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
CSO Abatement	250	250
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	250

Population .46497
 TOTAL POINTS 475.46497

Project Name, Number

Priority List Rank

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

33

County

Essex, Hudson and Passaic

Service Area

East Newark, Harrison, Kearny, Newark, Paterson

Existing Population

464,972

Need for Project

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

Project Description

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

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : PATERSON CITY

Project No. : 340926-01 Eligible Project Cost : \$1,203,637
 FY93 RANK : 34.0
 County : PASSAIC Total State Amount : \$1,203,637

I. SEGMENT POINTS

A. Existing Water Conditions

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

B. Existing Water Quality

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

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
Primary Discharge	500	0
I/I Correction-Overflow	250	0
CSO Abatement	250	250
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	250

Population .13800
TOTAL POINTS 475.13800

Project Name, Number

Priority List Rank

Paterson City
340926-01
Combined Sewer Overflow

34

County

Passaic

Service Area

Paterson

Existing Population

138,000

Need for Project

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

Project Description

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

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : HAMILTON TOWNSHIP

Project No. : 340898-01 Eligible Project Cost : \$9,562,320
 FY93 RANK : 35.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	200
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	0

	SUBTOTAL	200

Population .09542
 TOTAL POINTS 475.09542

Project Name, Number

Priority List Rank

Hamilton Township
340898-01
STP

35

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.

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

Project Description

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

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : HUDSON COUNTY UA (BAYONNE)

Project No. : 340399-08 Eligible Project Cost : \$13,236,132
 FY93 RANK : 36.0
 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
CSO Abatement	250	250
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	0
SUBTOTAL		250

Population .06270
TOTAL POINTS 475.06270

Project Name, Number

Priority List Rank

Hudson County Utilities Authority

36

340399-08

Planning Area II - Combined Sewer Overflow Abatement

County

Hudson

Service Area

City of Bayonne

Existing Population

62,695

Need for Project

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

Project Description

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

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : LITTLE FALLS MUA

Project No. : 340716-02 Eligible Project Cost : \$18,315,001
 FY93 RANK : 37.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	200
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	200

Population .01222
TOTAL POINTS 475.01222

Project Name, Number

Priority List Rank

Little Falls MUA
340716-02
STP, PS, FM

37

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.

<u>STP (level of treatment)</u>	<u>Flow (mgd)</u>		<u>Effluent</u>	
	<u>Design</u>	<u>Present</u>	<u>BOD Reported</u> % - mg/l	<u>SS Reported</u> % - 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
 FY93 RANK : 38.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0

	SUBTOTAL	50

Population .01193
 TOTAL POINTS 475.01193

Project Name, Number

Priority List Rank

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

38

County
Sussex

Service Area

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

Existing Population
11,926

Need for Project

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

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

Project Description

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

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : SUSSEX BOROUGH

Project No. : 340744-02 Eligible Project Cost : \$622,325
 FY93 RANK : 39.0
 County : SUSSEX Total State Amount : \$622,325

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	250

Population .00240
TOTAL POINTS 475.00240

Project Name, Number

Priority List Rank

Sussex Borough
340744-02

39

Infiltration/Inflow Correction - Overflow

County

Sussex

Service Area

Sussex Borough

Existing Population

2,400

Need for Project

The Borough of Sussex Sewage Treatment Plant (STP) 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. The receiving stream is classified for freshwater fishing (nontrout) and agricultural water uses. To fulfill federal requirements, an infiltraton/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.

Project Description

Further studies will verify and refine the findings of the I/I study and recommend rehabilitation measures which will be implemented for the Borough of Sussex collection system as part of this project. The rehabilitation effort will help alleviate the raw sewage by-pass problem at the Sussex Borough plant. This would result in an 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 : MIDDLESEX COUNTY UA

Project No. : 340699-04 Eligible Project Cost : \$17,950,139
 FY93 RANK : 40.0
 County : MIDDLESEX Total State Amount : \$17,950,139

I. SEGMENT POINTS

A. Existing Water Conditions

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

	SUBTOTAL	250

B. Existing Water Quality

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

			SUBTOTAL	200

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
Primary Discharge	500	0
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	1

	SUBTOTAL	1

Population .69438
 TOTAL POINTS 451.69438

Middlesex County Utilities Authority (MCUA)
 340699-04
 STP

40

County

Middlesex

Service Area

Middlesex County and portions of Somerset and Union Counties

Existing Population

694,378

Need for Project

The NJDEPE has issued an ACO to require MCUA to cease bypassing wet weather flow at its Sayreville Pumping Station upon the construction completion of the Interim Supplemental (Relief) Outfall. As of March 1991, the Interim Supplemental (Relief) Outfall was completed and has been operated on an as needed basis. Further increase in maximum day and peak hourly flows would overload the existing final settling tanks. Based upon existing reports, MCUA believes that the 12 existing final settling tanks will not be able to provide sufficient treatment during these high flow periods to meet the plant's NJPDES permit criteria for BOD5 and TSS concentrations. As a separate action, MCUA is also pursuing a NJPDES permit modification to increase its treatment plant's design flow to 147 mgd. The MCUA treatment plant currently discharges its treated effluent into the Raritan Bay (SE-1). This discharge has an effect on the water quality of the Bay with respect to shellfish and recreational uses. In addition, water quality does not meet standards for fecal coliform and toxics and marginally meets standards for dissolved oxygen.

STP (level of treatment)	Flow (mgd)		Effluent	
	Design	Present	BOD Reported % - mg/l	SS Reported % - mg/l
Edward J. Patten STP (NJ0020141)	120	110	95 - 18.0	92 - 20.0

Project Description

The proposed project involves the construction of four new final settling tanks and related appurtenances. These facilities will improve the efficiency of the plant and thus, the quality of the discharge.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : MIDDLESEX COUNTY UA

Project No. : 340699-03 Eligible Project Cost : \$339,237,984
 FY93 RANK : 41.0
 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	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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	1

	SUBTOTAL	1

Population .49657
 TOTAL POINTS 451.49657

Project Name, Number

Priority List Rank

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

41

County

Middlesex

Service Area

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

Existing Population

496,562

Need for Project

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

Project Description

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

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : WILLINGBORD MUA

Project No. : 340755-03 Eligible Project Cost : \$17,481,969
 FY93 RANK : 42.0
 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
CSD Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	1

	SUBTOTAL	1

Population .05615
 TOTAL POINTS 451.05615

Project Name, Number

Priority List Rank

Willingboro MUA for URANCO
340755-03
STP, Sludge, INT, PS, FM

42

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.

<u>STP (level of treatment)</u>	<u>Flow (mgd)</u>		<u>Effluent</u>	
	<u>Design</u>	<u>Present</u>	<u>BOD Reported</u> % - mg/l	<u>SS Reported</u> % - mg/l
Willingboro MUA(secondary) (NJ0023361)	4.2	4.38	92.5 - 15.8	93.8 - 14.0
Beverly SA (secondary) (NJ0027481)	1.0	.49	93.3 - 18.8	95.5 - 18.3

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 : DELRAN SA-DELRAN

Project No. : 340794-04 Eligible Project Cost : \$10,112,600
 FY93 RANK : 43.0
 County : BURLINGTON Total State Amount : \$10,112,600

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
CSD Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	1

	SUBTOTAL	1

Population .01417
 TOTAL POINTS 451.01417

Project Name, Number

Priority List Rank

Delran Sewerage Authority-Delran
340794-04
STP, I/I

43

County

Burlington

Service Area

Delran Township

Existing Population

14,173

Need for Project

The Delran STP discharges in the tidal estuary of the Rancocas Creek and affects the water quality of the Delaware River. The discharge impacts the Philadelphia Torresdale potable water intake as well as agricultural and nontrout fishing uses. The Rancocas Creek does not meet standards for fecal coliform and marginally meets standards for dissolved oxygen, toxics and nutrients.

<u>STP (level of treatment)</u>	<u>Flow (mgd)</u>		<u>Effluent</u>	
	<u>Design</u>	<u>Present</u>	<u>BOD Reported</u> % - mg/l	<u>SS Reported</u> % - mg/l
Delran STP (Secondary) (NJ0023507)	1.50	1.46	91.0 - 17.6	91.1 - 18.8

Project Description

The proposed project involves the upgrade and expansion of the existing STP from its present capacity of 1.5 MGD to 2.5 MGD and includes the construction of an influent pump station with screen chamber, a new contact stabilization unit with a capacity of 1.0 MGD, a new flow diversion chamber, a sludge dewatering facility and dechlorination facility. The proposed rehabilitation work includes the renovations of the existing pumping station and the replacement of 700 linear feet of the Willow Brook force main.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : NEW PROVIDENCE BOROUGH

Project No. : 340474-03 Eligible Project Cost : \$14,426,000
 FY93 RANK : 44.0
 County : UNION Total State Amount : \$14,426,000

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	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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	1
	SUBTOTAL	1

Population .01223

TOTAL POINTS 451.01223

Project Name, Number

Priority List Rank

New Providence Borough
340474-03
STP Upgrade

44

County

Union

Service Area

New Providence Borough

Existing Population

12,228

Need for Project

The New Providence Sewage Treatment Plant, is presently not meeting the NJPDES requirements for advanced treatment. The discharge to the Passaic River (FW2-NT) impacts fishable (nontrout), industrial and potable water uses. Water quality marginally meets standards for nutrients, toxics and fecal coliform, but dissolved oxygen levels do not meet standards. The upgrading of the STP is necessary in order to achieve Level 3 treatment with nitrification.

<u>STP (level of treatment)</u>	<u>Flow (mgd)</u>		<u>Effluent</u>	
	<u>Design</u>	<u>Present</u>	<u>BOD Reported</u> % - mg/l	<u>SS Reported</u> % - mg/l
New Providence (NJ0021636)	2.8	1.5	91.3 - 13.3	91.1 - 12.8

Project Description

The proposed project involves upgrading the treatment plant to provide an advanced treatment system.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : BURLINGTON TOWNSHIP

Project No. : 340712-03 Eligible Project Cost : \$2,665,627
 FY93 RANK : 45.0
 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
CSD Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	1

	SUBTOTAL	1

Population .01169
 TOTAL POINTS 451.01169

Project Name, Number

Priority List Rank

Burlington Township
340712-03
STP

45

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.

<u>STP (level of treatment)</u>	<u>Flow (mgd)</u>		<u>Effluent</u>	
	<u>Design</u>	<u>Present</u>	<u>BOD Reported</u> % - mg/l	<u>SS Reported</u> % - mg/l
Central Avenue STP (Secondary) (NJ0021709)	1.28	1.16	89.8 - 14.25	94.9 - 10.5
LaGorce Square STP (Tertiary) (NJ0021695)	0.20	.12	91.7 - 19.8	95.5 - 8.3

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 : GLOUCESTER CO UA (LOGAN)

Project No. : 340526-04 Eligible Project Cost : \$12,561,072
 FY93 RANK : 53.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	1
	SUBTOTAL	1

Population .00689
TOTAL POINTS 376.00689

Project Name, Number

Priority List Rank

Gloucester County U.A. -(Logan)
340526-04
STP, Int., P.S., F.M., Sludge Mgmt.

53

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.

<u>STP (level of treatment)</u>	<u>Flow (mgd)</u>		<u>Effluent</u>	
	<u>Design</u>	<u>Present</u>	<u>BOD Reported</u> % - mg/l	<u>SS Reported</u> % - mg/l
Logan TWP. MUA (secondary) (NJ0027545)	1.00	.48	96.5 - 9.3	93.5 - 9.2
Swedesboro Borough (secondary) (NJ0022021)	0.35	.20	95.5 - 10.6	94.7 - 12.5

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 : WARREN CO-PAULINSKILL/BLAIRSTOWN

Project No. : 340453-03 Eligible Project Cost : \$2,627,760
 FY93 RANK : 54.0
 County : WARREN Total State Amount : \$2,627,760

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	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
CSD Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	1
	SUBTOTAL	1

Population .00489

TOTAL POINTS 376.00489

Project Name, Number

Priority List Rank

Warren County Paulinskill/Blairstown
340453-03
STP, Int., PS, FM, Sludge/Septage

54

County

Warren

Service Area

Blairstown Township

Existing Population

4,890

Need for Project

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

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

Project Description

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

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : JEFFERSON TOWNSHIP (ROCKAWAY)

Project No. : 340747-04 Eligible Project Cost : \$5,162,476
 FY93 RANK : 55.0
 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
CSD Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population .00787
TOTAL POINTS 375.00787

Project Name, Number

Priority List Rank

Jefferson Township (Rockaway)
340747-04
INT, PS, FM, COLL

55

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 : \$2,144,665

FY93 RANK : 56.0

County : OCEAN Total State Amount : \$2,144,665

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population .00657

TOTAL POINTS 375.00657

Project Name, Number

Priority List Rank

Ocean County Utilities Authority
340372-13
Force Main

56

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
 FY93 RANK : 57.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population .00192
TOTAL POINTS 375.00192

Project Name, Number

Priority List Rank

Howell Township MUA
340832-01
Collection System, Int.

57

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 : ABERDEEN TOWNSHIP MUA

Project No. : 340868-01	Eligible Project Cost	: \$4,939,983
FY93 RANK : 58.0		
County : MONMOUTH	Total State Amount	: \$4,939,983

I. SEGMENT POINTS

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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	1
	SUBTOTAL	1

Population	.01879
TOTAL POINTS	351.01879

Project Name, Number

Priority List Rank

Aberdeen Township Municipal
Utilities Authority
340868-01
Pump Stations, Force Mains

58

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 and are under Administrative Consent Orders (ACOs) to cease their discharges. 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:

<u>STP (level of treatment)</u>	<u>Flow (mgd)</u>		<u>Effluent</u>	
	<u>Design</u>	<u>Present</u>	<u>BOD Reported</u> % - mg/l	<u>SS Reported</u> % - mg/l
ATMUA - River Garden Secondary (NJ0022829) (Matawan Creek)	0.1	0.151	90.2 - 16.1	85.5 - 29.4
ATMUA - Cliffwood Beach Secondary (NJ0022543) (Whale Creek)	0.75	0.519	89.8 - 18.6	91.6 - 20.2
ATMUA - Strathmore Secondary (NJ0022535) (Mohingson Brook)	0.8	0.765	96.1 - 9.49	97.2 - 13.82

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 Garden, Cliffwood Beach and Strathmore Plants. Pumping stations and force mains will be constructed to convey flows to the Bayshore Regional Sewage Authority Treatment Plant.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : MANSFIELD TOWNSHIP

Project No. : 340935-01 Eligible Project Cost : \$1,353,637
 FY93 RANK : 59.0
 County : WARREN Total State Amount : \$1,353,637

I. SEGMENT POINTS

A. Existing Water Conditions

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

B. Existing Water Quality

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

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
Primary Discharge	500	0
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	200
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	200

Population .00100
 TOTAL POINTS 350.00100

Project Name, Number

Priority List Rank

Mansfield Township - Diamond Hill
340935-01
Secondary and Advanced Treatment

59

County

Warren

Service Area

Diamond Hill Development

Existing Population

1,000

Permit Number

NJPDES NJ0028592

Need for Project

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

Project Description

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

WORKSHEET - PRIORITY RANKING

Anticipated
 Recipient : JEFFERSON TOWNSHIP

Project No. : 340747-02 Eligible Project Cost : \$1,716,065
 FY93 RANK : 60.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	1
	SUBTOTAL	1

Population .01671

TOTAL POINTS 326.01671

Project Name, Number

Priority List Rank

Jefferson Township
340747-02
STP, Sludge/Septage Management

60

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).

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

*Information Not Available

Project Description

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

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : HAMMONTON TOWNSHIP

Project No. : 340927-01 Eligible Project Cost : \$14,665,908
 FY93 RANK : 61.0
 County : ATLANTIC Total State Amount : \$14,665,908

I. SEGMENT POINTS

A. Existing Water Conditions

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

B. Existing Water Quality

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

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
Primary Discharge	500	0
I/I Correction-Overflow	250	0
CSD Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	1
	SUBTOTAL	1

Population .01235
TOTAL POINTS 326.01235

Project Name, Number

Priority List Rank

Hammonton Town
340927-01
STP

61

County

Atlantic

Service Area

Hammonton

Existing Population

12,347

Need for Project

The Hammonton wastewater treatment facility discharges secondary level treated effluent to Hammonton Creek, thence to the Mullica River in the Pinelands. The treatment plant discharge adversely impacts primary contact recreation, nontrout fishing, and agricultural uses of these water bodies. Water quality currently does not meet standards for dissolved oxygen or nutrients. On May 21, 1990 the Pinelands Commission forbade the treatment plant to continue discharging the effluent into Hammonton Creek upon expiration of its NJPDES Permit.

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

Project Description

The Town is considering several options to dispose of its effluent (including spray irrigation and rapid infiltration) and is in the process of applying for a groundwater discharge permit which will dictate the treatment level and effluent limitations. Upon identification of the permit limits, the proposed project will be defined and will include the replacement of the Hammonton STP. The design capacity of the STP will remain at 1.6 mgd for now.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : NORTHEAST MONMOUTH RSA

Project No. : 340684-06 Eligible Project Cost : \$5,126,030
 FY93 RANK : 62.0
 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
CSD Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population .07416

TOTAL POINTS 325.07416

Project Name, Number

Priority List Rank

Northeast Monmouth County RSA
340684-06
Outfall Reconstruction

62

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
 FY93 RANK : 63.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population .03000

TOTAL POINTS 325.03000

Project Name, Number

Priority List Rank

Long Branch Sewerage Authority
340336-03
Joline Ave. Force Main, P.S. and
Grit Handling Facilities

63

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.

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

Project Description

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

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : BERGEN COUNTY UA

Project No. : 340386-04 Eligible Project Cost : \$84,098,024
 FY93 RANK : 64.0
 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
CSD Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	1

	SUBTOTAL	1

Population .37675

TOTAL POINTS 301.37675

Project Name, Number

Priority List Rank

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

64

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.

<u>STP (level of treatment)</u>	<u>Flow (mgd)</u>		<u>Effluent</u>	
	<u>Design</u>	<u>Present</u>	<u>BOD5 Reported</u> % - mg/l	<u>SS Reported</u> % - mg/l
BCUA (secondary) (NJ0020028)	75	77.3	95.5-7.05	86.6-22.3
* Plant expansion work continuing				

Project Description

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

WORKSHEET - PRIORITY RANKING

Anticipated

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

Project No. : 340399-20 Eligible Project Cost : \$26,539,680
 FY93 RANK : 65.0
 County : HUDSON Total State Amount : \$26,539,680

I. SEGMENT POINTS

A. Existing Water Conditions

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

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	1
	SUBTOTAL	1

Population .03507

TOTAL POINTS 301.03507

Project Name, Number

Priority List Rank

Hudson County Utilities Authority
340399-20
STP Upgrade

65

County

Hudson

Service Area

North Bergen

Existing Population

35,066

Need for Project

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

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

Project Description

Several alternatives will be evaluated including:

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

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : HUDSON COUNTY UA (SECAUCUS)

Project No. : 340399-19 Eligible Project Cost : \$12,350,370
 FY93 RANK : 66.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	1
	SUBTOTAL	1

Population .01525

TOTAL POINTS 301.01525

Project Name, Number

Priority List Rank

Hudson County Utilities
Authority-Secaucus
340399-19
WWTF-Expansion/Upgrade-AT

66

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:

<u>Facility Description</u>	<u>Design</u>	<u>Present</u>	<u>Effluent</u>	
			<u>BOD5 Reported</u> % - mg/l	<u>SS Reported</u> % - mg/l
Seaucus 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 : WASHINGTON BOROUGH

Project No. : 340706-03 Eligible Project Cost : \$9,856,925
 FY93 RANK : 67.0
 County : WARREN Total State Amount : \$9,856,925

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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	1
	SUBTOTAL	1

Population .01110

TOTAL POINTS 301.01110

Project Name, Number

Priority List Rank

Washington Borough
340706-03
STP

67

County

Warren

Service Area

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

Existing Population

11,095

Need for Project

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

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

Project Description

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

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : GLOUCESTER CO UA (MULLICA HILL)

Project No. : 340526-05 Eligible Project Cost : \$512,739
 FY93 RANK : 68.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	1

	SUBTOTAL	1

Population .00386

TOTAL POINTS 276.00386

Project Name, Number

Priority List Rank

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

68

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.

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

Project Description

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

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : PEAPACK & GLADSTONE BOROUGH

Project No. : 340822-02 Eligible Project Cost : \$2,538,514
 FY93 RANK : 69.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	1
SUBTOTAL		1

Population .00213

TOTAL POINTS 276.00213

Project Name, Number

Priority List Rank

Peapack-Gladstone Borough
340822-02
STP Expansion and Upgrading

69

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.

<u>STP (level of treatment)</u>	<u>Flow (mgd)</u>		<u>Effluent</u>	
	<u>Design</u>	<u>Present</u>	<u>BOD Reported</u> % - mg/l	<u>SS Reported</u> % - 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 : MT LAUREL TOWNSHIP MUA

Project No. : 340943-01 Eligible Project Cost : \$17,268,275
 FY93 RANK : 70.0
 County : BURLINGTON Total State Amount : \$17,268,275

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	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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population .03043

TOTAL POINTS 275.03043

Project Name, Number

Priority List Rank

Mt. Laurel Township SA
340943-01
STP Upgrade/Expansion

70

County

Burlington

Service Area

Mt. Laurel Township

Existing Population

30,434

Need for Project

Project objectives include STP improvements to maximize utilization of existing tankage and modifications to allow the existing facility to treat and meet its discharge permit requirements. The existing discharge to the Rancocas Creek negatively impacts freshwater (nontrout) fishing, agricultural and industrial water uses. Water quality does not meet standards for fecal coliform and nutrients.

<u>STP (level of treatment)</u>	<u>Flow (mgd)</u>		<u>Effluent</u>	
	<u>Design</u>	<u>Present</u>	<u>BOD Reported</u> % - mg/l	<u>SS Reported</u> % - mg/l
Mt. Laurel Township SA (NJ0025178)	4.0	3.33	95 - 10.3	97 - 6.6

Project Description

The proposed project includes the upgrade and expansion of the Hartford Road Pollution Control Facility from 4 MGD to 6 MGD. The Authority has had a Process Evaluation Study performed for this upgrade and expansion. The Process Evaluation Study evaluated four biological processes on cost effectiveness and other non-financial parameters. The result of the study indicated that the oxidation ditch is the most cost effective process. The project will also include the construction of sludge handling facilities. Dewatered sludge will be taken for disposal at the Burlington County co-composting facility. The Authority anticipates that the proposed project will not include any new outfall construction. The Authority is presently conducting a dilution study to further investigate the outfall configuration and the need for modifications to it.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : MILLVILLE CITY

Project No. : 340921-01 Eligible Project Cost : \$10,600,000

FY93 RANK : 71.0

County : CUMBERLAND Total State Amount : \$10,600,000

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	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	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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	200
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	200

Population .02575

TOTAL POINTS 275.02575

Project Name, Number

Priority List Rank

Millville City
340921-01
STP Upgrade

71

County

Cumberland

Service Area

Millville

Existing Population

25,751

Need for Project

Upgrading of the existing STP is required as a result of NJPDES permit modifications which impose more stringent effluent discharge limitations. The City of Millville has signed an Administrative Consent Order which requires upgrading the treatment plant. Water quality currently does not meet standards for nutrients and adversely impacts nontrout fishing uses of the Maurice River.

<u>STP (level of treatment)</u>	<u>Flow (mgd)</u>		<u>Effluent</u>	
	<u>Design</u>	<u>Present</u>	<u>BOD Reported</u> % - mg/l	<u>SS Reported</u> % - mg/l
Millville City STP (NJ0029467)	3.5	2.90	84.0-22.5	89.7-21.8

Project Description

The proposed project involves the upgrade of the existing secondary level STP to improve biochemical oxygen demand and suspended solids removal. The proposed facilities will include improved biological treatment and the addition of tertiary filters.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : MEDFORD TOWNSHIP

Project No. : 340463-04 Eligible Project Cost : \$18,592,885
 FY93 RANK : 72.0
 County : BURLINGTON Total State Amount : \$18,592,885

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population .02027

TOTAL POINTS 275.02027

Project Name, Number

Priority List Rank

Medford Township
340463-04
STP Upgrade

72

County

Burlington

Service Area

Medford Township

Existing Population

20,271

Need for Project

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

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

Project Description

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

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : WESTERN MONMOUTH UA

Project No. : 340891-01 Eligible Project Cost : \$345,208
 FY93 RANK : 73.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	1
	SUBTOTAL	1

Population .05356

TOTAL POINTS 251.05356

Project Name, Number

Priority List Rank

Western Monmouth Regional Sewerage
Authority
340891-01

73

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

Project No. : 340795-02 Eligible Project Cost : \$3,889,106
 FY93 RANK : 74.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	1
	SUBTOTAL	1

Population .03130

TOTAL POINTS 251.03130

Project Name, Number

Priority List Rank

Fairlawn Borough
340795-02
Int.

74

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.

<u>STP (level of treatment)</u>	<u>Flow (mgd)</u>		<u>Effluent</u>	
	<u>Design</u>	<u>Present</u>	<u>BOD Reported</u> % - mg/l	<u>SS Reported</u> % - 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 : \$6,554,840
 FY93 RANK : 75.0
 County : BURLINGTON Total State Amount : \$6,554,840

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	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
CSD Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	1
	SUBTOTAL	1

Population .02867

TOTAL POINTS 251.02867

Project Name, Number

Priority List Rank

Evesham MUA (Woodstream)
340463-05
STP, Interceptor

75

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:

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

Project Description

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

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : RIDGEWOOD VILLAGE

Project No. : 340639-03 Eligible Project Cost : \$15,241,382
 FY93 RANK : 76.0
 County : BERGEN Total State Amount : \$15,241,382

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	25
Shellfish	125	0
Recreation (Primary Contact)	125	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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	1
SUBTOTAL		1

Population .02486

TOTAL POINTS 251.02486

Project Name, Number

Priority List Rank

Ridgewood Village
340639-03
Pumping Station, Force Main

76

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 nontrout fishable and industrial use stream. The project is needed to provide advanced wastewater treatment to comply with the NJPDES permit. Water quality marginally meets standards for dissolved oxygen and violates standards for fecal coliform and toxics.

<u>STP (level of treatment)</u>	<u>Flow (mgd)</u>		<u>Effluent</u>	
	<u>Design</u>	<u>Present</u>	<u>BOD Reported</u> % - mg/l	<u>SS Reported</u> % - mg/l
Ridgewood Village (NJ0024791)	5.0	3.311	93.3 - 13.6	94.9 - 11.5

Project Description

The proposed project includes the construction of a force main and pumping station to convey flow to the Passaic Valley Sewerage Commission STP for treatment.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : SUSSEX COUNTY MUA

Project No. : 340941-01 Eligible Project Cost : \$6,359,875
 FY93 RANK : 77.0
 County : SUSSEX Total State Amount : \$6,359,875

I. SEGMENT POINTS

A. Existing Water Conditions

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

B. Existing Water Quality

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

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
Primary Discharge	500	0
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	1
SUBTOTAL		1

Population .02037

TOTAL POINTS 251.02037

Project Name, Number

Priority List Rank

Sussex County MUA
340941-01
STP Upgrade

77

County

Sussex

Service Area

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

Existing Population

20,635

Need for Project

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

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

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

Project Description

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

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : WYCKOFF TOWNSHIP

Project No. : 340738-03 Eligible Project Cost : \$11,898,229

FY93 RANK : 78.0

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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population .00190

TOTAL POINTS 250.00190

Project Name, Number

Priority List Rank

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

78

County

Bergen

Service Area

Township of Wyckoff

Existing Population

1,900

Need for Project

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

Project Description

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

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : OLD TAPPAN BOROUGH

Project No. : 340948-01 Eligible Project Cost : \$3,331,117
 FY93 RANK : 79.0
 County : BERGEN Total State Amount : \$3,331,117

I. SEGMENT POINTS

A. Existing Water Conditions

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

B. Existing Water Quality

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

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
Primary Discharge	500	0
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50
	Population	100100
	TOTAL POINTS	250.00100

Project Name, Number

Priority List Rank

Old Tappan Borough
340948-01
Collection System

79

County

Bergen

Service Area

This project will serve various areas throughout the Borough.

Existing Population

1,000

Need for Project

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

Project Description

This project is for the construction of a collection system within problem areas of the Borough. The proposed project includes, but is not limited to, three (3) phases: Phase I (Contract 1, Central Avenue), Phase II (Contract 2, DeWolf Road-Phase A), and Phase III (Contract 2, DeWolf Road - Phase B). All of the areas will tie into the existing Little Ferry Wastewater Treatment Plant which is owned and operated by the Bergen County Utilities Authority.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : PENNSVILLE SA

Project No. : 340870-02 Eligible Project Cost : \$2,879,284
 FY93 RANK : 80.0
 County : SALEM Total State Amount : \$2,879,284

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	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
CSD Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	1
	SUBTOTAL	1

Population .01500

TOTAL POINTS 226.01500

Project Name, Number

Priority List Rank

Pennsville Sewerage Authority
340870-02
STP Upgrade

80

County

Salem

Service Area

Northwestern portion of Pennsville Township, 8 square mile area

Existing Population

15,000

Need for Project

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

STP(level of treatment)	Flow		Effluent	
	Design	Present	BOD Reported % mg/1	SS Reported % mg/1
Pennsville SA (NJ0021598)	1.875	1.33	89.8 - 22.7	93.7 - 11.45

Project Description

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

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : GLOUCESTER CO UA (GIBBSTOWN)

Project No. : 340526-06 Eligible Project Cost : \$1,922,527
 FY93 RANK : 82.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	1
	SUBTOTAL	1

Population .00531

TOTAL POINTS 226.00531

Project Name, Number

Priority List Rank

Gloucester County UA-(Gibbstown)
340526-06
STP Upgrading/Sludge Mgmt.

82

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.

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

Project Description

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

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : NORTHWEST BERGEN CO UA

Project No. : 340700-03 Eligible Project Cost : \$7,977,000
 FY93 RANK : 84.0
 County : BERGEN Total State Amount : \$7,977,000

I. SEGMENT POINTS

A. Existing Water Conditions

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

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	100	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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	1
	SUBTOTAL	1

Population .09171
TOTAL POINTS 201.09171

Project Name, Number

Priority List Rank

Northwest Bergen County Utilities Authority
(NWBCUA)
340700-03
STP Upgrade/Expansion

84

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 is classified for nontrout maintenance and industrial water use.

<u>STP (level of treatment)</u>	<u>Flow (mgd)</u>		<u>Effluent</u>	
	<u>Design</u>	<u>Present</u>	<u>BOD Reported</u> % - mg/l	<u>SS Reported</u> % - mg/l
NWBCUA (NJ0024813)	9.5	8.75	92.70 - 4.8	94.74 - 7.0

Project Description

The proposed 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 9.5 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 : \$1,172,033
 FY93 RANK : 85.0
 County : MERCER Total State Amount : \$1,172,033

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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	1
	SUBTOTAL	1

Population .00040
 TOTAL POINTS 201.00040

Project Name, Number

Priority List Rank

Hopewell Township MUA
340885-01
Interceptor, Pumping Station and Force Main

85

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.

<u>STP (level of treatment)</u>	<u>Flow (mgd)</u>		<u>Effluent</u>			
	<u>Design</u>	<u>Project</u>	<u>BOD Reported</u>		<u>Amt. Reported</u>	
			% - mg/l		% - mg/l	
Princeton Farms (NJ0022560)	0.06	0.025	93.8	3.8	87.9	5.7

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 : WATCHUNG BOROUGH

Project No. : 340823-01 Eligible Project Cost : \$837,991
 FY93 RANK : 88.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population .00038

TOTAL POINTS 175.00038

Project Name, Number

Priority List Rank

Watchung Borough
340823-01
East End Collection and
Interceptor System

88

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 : CLINTON TOWN

Project No. : 340924-01 Eligible Project Cost : \$7,456,777
 FY93 RANK : 89.0
 County : HUNTERDON Total State Amount : \$7,456,777

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

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
Primary Discharge	500	0
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	1
	SUBTOTAL	1

Population .01055

TOTAL POINTS 151.01055

Project Name, Number

Priority List Rank

Clinton Town
340924-01
STP Upgrade

89

County

Hunterdon

Service Area

Town of Clinton, Borough of High Bridge, and portions of Clinton Township, Lebanon Township, Franklin Township, and Union Township

Existing Population

10,550

Need for Project

The Town of Clinton currently owns and operates secondary treatment facilities which provide regional treatment for the service area. Treated effluent is discharged to the South Branch of the Raritan River which is classified as FW-2, Trout Maintenance waters. Trout fishing and agricultural uses of the river are adversely impacted by the treatment plant discharge. Water quality is only marginally acceptable for nutrients and toxics. The proposed project is needed to provide an upgraded (advanced) level of treatment as required by an executed Administrative Consent Order (ACO). The service area of the Town of Clinton facility is presently under a sewer connection ban.

<u>STP (level of treatment)</u>	<u>Flow (mgd)</u>		<u>Effluent</u>	
	<u>Design</u>	<u>Present</u>	<u>BOD Reported</u> % - mg/l	<u>SS Reported</u> % - mg/l
Town of Clinton (NJ0020389)	2.03	1.206	92.5-12.6	92.4-13.1

Project Description

The proposed project involves the construction of modifications to the existing Town of Clinton STP to provide for upgraded phosphorus, ammonia, and TKN removals. The completion of this project will result in permit and ACO compliance, and will improve water quality in the South Branch of the Raritan River.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : PASSAIC VALLEY SC

Project No. : 340683-05 Eligible Project Cost : \$125,698,300
 FY93 RANK : 90.0
 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
CSD Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	100
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	100

Population 1.31950

TOTAL POINTS 101.31950

Project Name, Number

Priority List Rank

Passaic Valley Sewerage Commissioners
340683-05
Sludge Treatment and Disposal

90

County

Essex

Service Area

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

Existing Population

1,319,504

Need for Project

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

Project Description

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

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : ATLANTIC COUNTY UA (UGEH)

Project No. : 340518-03 Eligible Project Cost : \$12,932,761

FY93 RANK : 91.0

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	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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	1
	SUBTOTAL	1

Population .00370
TOTAL POINTS 101.00370

Project Name, Number

Priority List Rank

Atlantic Co. UA -
Upper Great Egg Harbor
340518-03
Upgrading of STP

91

County

Atlantic

Service Area

Buena Borough

Existing Population

3,669

Need for Project

The Buena MUA wastewater treatment facilities discharge effluent to the Egg Harbor River, which is classified for non-trout fishing and agricultural use. The river does not meet standards for nutrients, and high BOD5 loadings occur which can be associated with municipal point discharges. The Egg Harbor River is designated as PL by NJDEP. The upgrading of the wastewater treatment plant is necessary in order to avoid continued water quality degradation.

<u>STP (level of treatment)</u>	<u>Flow (mgd)</u>		<u>Effluent</u>	
	<u>Design</u>	<u>Present</u>	<u>BOD Reported</u> % - mg/l	<u>SS Reported</u> % - mg/l
Buena MUA (Secondary) (NJ0021717)	0.4	0.45	95.4 - 9.75	96.1 - 13.5

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 the elimination of the Buena Borough MUA WWTF Egg Harbor River tributary discharge via the construction of a spray irrigation system for effluent disposal.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : MIDDLESEX COUNTY UA

Project No. : 340699-06 Eligible Project Cost : \$64,389,600
 FY93 RANK : 92.0
 County : MIDDLESEX Total State Amount : \$64,389,600

I. SEGMENT POINTS

A. Existing Water Conditions

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

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	100
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	0
SUBTOTAL		100

Population .69438
 TOTAL POINTS 100.69438

Project Name, Number

Priority List Rank

Middlesex County Utilities Authority
340699-06
Sludge Pelletization, STP Upgrade

92

County

Middlesex

Service Area

Middlesex County and portions of Union and Somerset Counties

Existing Population

694,378

Need for Project

The Sludge Pelletization Facility and Co-Generation Facility will provide the Middlesex County Utilities Authority a lower overall cost sludge product for beneficial reuse. These facilities along with the existing Chemical Stabilization Facility will provide the Authority the flexibility to meet varying market demands and minimize cost.

Project Description

The proposed Sludge Pelletization Facility will consist primarily of four rotary dryers which will pelletize dewatered sludge. Dewatered sludge will be pumped from the existing Dewatering Facility to the Sludge Pelletization Facility where it will be mixed with previously dried sludge to 70 percent solids prior to entering the dryer. The Co-Generation Facility will provide the heat for sludge drying. An 8000 KW Gas Turbine Generation Facility, which converts natural gas fuel to power, would provide a portion of the treatment plant's electrical needs and over 90 million BTUs per hour for use in the Pelletization Facility. The New Administration Building will provide the space to upgrade laboratory needs of the Authority by allowing conversion of existing office space to additional laboratory facilities. Odor surveys have identified the sludge thickening tanks and aerobic digester as sources of off-site odors. The thickener tanks will be enclosed and the exhaust gases treated to remove odorous emission. The aerobic digester vent will be directed to an odor control scrubber for treatment prior to discharge to the atmosphere.

The aerobic digester and oxygenation tanks oxygen transfer system require upgrading improvements in order to continue to comply with treatment requirements. These improvements consist of replacing the submerged turbines and compressors with surface aerators and mixers to increase oxygen transfer efficiency. The existing equipment is also becoming difficult to maintain due to its age and unavailability of spare parts.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : CAMDEN COUNTY MUA

Project No. : 340640-06 Eligible Project Cost : \$81,064,345
 FY93 RANK : 93.0
 County : CAMDEN Total State Amount : \$81,064,345

I. SEGMENT POINTS

A. Existing Water Conditions

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

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	100
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	100

Population .48867
 TOTAL POINTS 100.48867

Project Name, Number

Priority List Rank

Camden County MUA
340640-06
Sludge Management Facilities

93

County

Camden

Service Area

Most of Camden County

Existing Population

488,672

Need for Project

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

Project Description

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

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : OCEAN COUNTY UA

Project No. : 340372-17 Eligible Project Cost : \$10,965,500
 FY93 RANK : 94.0
 County : OCEAN Total State Amount : \$10,965,500

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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	100
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	100
	Population	.48000
	TOTAL POINTS	100.48000

Project Name, Number

Priority List Rank

Ocean County UA
340372-17
Sludge Drying Facility

94

County

Ocean

Service Area

33 communities and municipal utilities authorities in Ocean County and 3 communities in Monmouth County

Existing Population

480,000

Need for Project

OCUA has constructed an innovative Carver-Greenfield sludge drying system which was initially designed without backup facilities because of the availability of a local landfill. NJDEPE has denied OCUA from disposing of sludge in this landfill. Based on operating experience of the new systems, the expected yearly operating time is estimated to be a maximum of 10 months due to mechanical reliability and maintenance requirements of the Carver-Greenfield system. A redundant sludge drying system as a backup is needed to continue to process the OCUA sludge to a fertilizer amendment during the downtime periods.

Project Description

8 percent solid sludge is available as feed to the Carver-Greenfield sludge drying system. To substitute for the Carver-Greenfield system during downtime, back-up facilities including 3 centrifuges, 3 indirect driers, 2 boilers, 2 coolers, 2 condensers, air emission control equipment and the associated piping and appurtenances are proposed to be built. The final 90 percent dried sludge will be compacted and granulated in the existing equipment and sold as fertilizer/soil conditioner.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : STONY BROOK REGIONAL SA

Project No. : 340887-01 Eligible Project Cost : \$4,491,200

FY93 RANK : 95.0.

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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	100
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	0
SUBTOTAL		100

Population .44679

TOTAL POINTS 100.44679

Project Name, Number

Priority List Rank

Stony Brook R.S.A.
340887-01
Sludge Treatment and Disposal

95

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 FREEHOLDERS

Project No. : 340818-04 Eligible Project Cost : \$9,717,300
 FY93 RANK : 96.0
 County : BURLINGTON Total State Amount : \$9,717,300

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
CSD Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	100
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	100

Population .38246

TOTAL POINTS 100.38246

Project Name, Number

Priority List Rank

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

96

County

Burlington

Service Area

Burlington County

Existing Population

382,462

Need for Project

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

Project Description

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

WORKSHEET -- PRIORITY RANKING

Anticipated

Recipient : BERGEN COUNTY UA

Project No. : 340687-05 Eligible Project Cost : \$34,529,980
 FY93 RANK : 97.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	100
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	100

Population .37675
 TOTAL POINTS 100.37675

Project Name, Number

Priority List Rank

Bergen County Utilities Authority
340687-05
Sludge Treatment and Disposal

97

County

Bergen

Service Area

The service area consists of 50 municipalities in Bergen County

Existing Population

376,750

Need for Project

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

Project Description

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

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : JT MEETING-ESSEX & UNION

Project No. : 340686-03 Eligible Project Cost : \$50,353,300
 FY93 RANK : 98.0
 County : UNION Total State Amount : \$50,353,300

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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	100
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	100

Population .33497
TOTAL POINTS 100.33497

Project Name, Number

Priority List Rank

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

98

County

Union

Service Area

16 communities in Essex and Union Counties

Existing Population

334,967

Need for Project

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

Project Description

The proposed project would provide a long-term method for the disposal of sewage sludge. A Step 1 grant was awarded in 1977 for a land-based sludge management study. The "Land-Based Sludge Management Facilities Plan Update" dated March 1989 recommends construction of a multiple hearth incinerator with a hot water generator, Venturi scrubber, impingement plate after cooler, wet electrostatic precipitator, induced draft fan, regenerative after burner and a pneumatic dry ash system as the most cost-effective alternative. This report also discusses centrifuge dewatering of sludge, however, the JMEUC had to proceed with this portion of the project without funding to reduce landfilling costs as soon as possible. The JMEUC will be required to appropriately update the facilities plan to ensure that adequate consideration of beneficial reuse alternatives has been included, as required by the Department's White Paper on Beneficial Use of Sewage Sludge, issued in November 1990.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : HUDSON COUNTY UA

Project No. : 340399-15 Eligible Project Cost : \$18,515,130
 FY93 RANK : 99.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	100
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	100

Population .22135
 TOTAL POINTS 100.22135

Project Name, Number

Priority List Rank

Hudson County Utilities Authority
340399-15
Sludge treatment and disposal

99

County

Hudson

Service Area

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

Existing Population

221,345

Need for Project

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

Project Description

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

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : HUDSON COUNTY UA (AREA I)

Project No. : 340900-01 Eligible Project Cost : \$24,180,620
 FY93 RANK : 100.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population .21858
TOTAL POINTS 100.21858

Project Name, Number

Priority List Rank

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

100

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
 FY93 RANK : 101.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	100
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	100

Population .20631
 TOTAL POINTS 100.20631

Project Name, Number

Priority List Rank

Atlantic County Utilities Authority
340405-04
Sludge/Septage Treatment and Disposal

101

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 : RAHWAY VALLEY SA

Project No. : 340547-05 Eligible Project Cost : \$3,879,078
 FY93 RANK : 102.0
 County : UNION/MIDDLESETotal State Amount : \$3,879,078

I. SEGMENT POINTS

A. Existing Water Conditions

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

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	100
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	100

Population .17373

TOTAL POINTS 100.17373

Project Name, Number

Priority List Rank

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

102

County

Union

Service Area

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

Existing Population

173,729

Need for Project

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

Project Description

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

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : ROCKAWAY VALLEY REG SA

Project No. : 340821-03 Eligible Project Cost : \$14,314,589
 FY93 RANK : 103.0
 County : MORRIS Total State Amount : \$14,314,589

I. SEGMENT POINTS

A. Existing Water Conditions

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

B. Existing Water Quality

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

II. DISCHARGE TYPE

Project Discharge Type	Fossible Points	Points Scored
Primary Discharge	500	0
I/I Correction-Overflow	250	0
CSD Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	100
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	100

Population .12063

TOTAL POINTS 100.12063

Project Name, Number

Priority List Rank

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

103

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
 FY93 RANK : 104.0
 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
CSD Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	100
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	100

Population .07416
 TOTAL POINTS 100.07416

Project Name, Number

Priority List Rank

Northeast Monmouth County Regional S.A.
340684-04
Sludge Treatment and Disposal

104

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
 FY93 RANK : 105.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	100
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	100

Population .07030

TOTAL POINTS 100.07030

Wanaque Valley Regional SA
340390-05
Sludge/Septage Treatment and Disposal

105

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
 FY93 RANK : 106.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	100
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	100

Population .06310
 TOTAL POINTS 100.06310

Project Name, Number

Priority List Rank

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

106

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 : \$18,281,436
 FY93 RANK : 107.0
 County : UNION Total State Amount : \$18,281,436

I. SEGMENT POINTS

A. Existing Water Conditions

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

	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	100
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	0

	SUBTOTAL	100

Population .05819
 TOTAL POINTS 100.05819

Project Name, Number

Priority List Rank

Linden-Roselle Sewerage Authority
340682-05
Sludge

107

County

Union

Service Area

City of Linden, Borough of Roselle

Existing Population

58,191

Need for Project

LRSA operates a 12 mgd secondary sewage treatment plant which produces 5 dry tons/day of anaerobically digested liquid sludge which is currently dewatered by Spectroserv, Inc. in the Town of Kearny and shipped to Pennsylvania to be landfilled. This interim sludge disposal alternative was implemented by the LRSA in order to enable the Authority to cease the ocean dumping of sewage sludge as mandated by federal and state legislation. However, this practice is costly and its future availability is uncertain.

Project Description

The proposed project would provide a long-term method for the disposal of sewage sludge. A Step 1 grant was awarded in January 1977 for a land-based sludge management study. The LRSA prepared a Sludge Management Plan dated April 1989 which recommended mechanical thickening, anaerobic digestion, mechanical dewatering, fluidized bed incineration and associated air pollution control and ash handling facilities. The LRSA will be required to appropriately update the Sludge Management Plan to ensure that adequate consideration of beneficial reuse alternatives has been included, as required by the Department's White Paper on Beneficial Use of Sewage Sludge, issued in November 1990.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : WESTERN MONMOUTH UA

Project No. : 340775-03 Eligible Project Cost : \$5,324,983
 FY93 RANK : 108.0
 County : MONMOUTH Total State Amount : \$5,324,983

I. SEGMENT POINTS

A. Existing Water Conditions

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

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	100
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	100

Population .05356
 TOTAL POINTS 100.05356

Project Name, Number

Priority List Rank

Western Monmouth Utilities Authority
340775-03
Sludge Treatment and Disposal

108

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
 FY93 RANK : 109.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	100
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	100

Population .05014

TOTAL POINTS 100.05014

Project Name, Number

Priority List Rank

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

109

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

Project No. : 340929-01 Eligible Project Cost : \$1,836,000
 FY93 RANK : 110.0
 County : PASSAIC Total State Amount : \$1,836,000

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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population .04555
TOTAL POINTS 100.04555

Project Name, Number

Priority List Rank

Wayne Township
340929-01
Collection System

110

County

Passaic

Service Area

This project will serve various areas throughout the Township such as Ludlum Road, Arbor Road, Riverlawn Drive, Riverdale Drive, and Hoffman Grove area.

Existing Population

45,549

Need for Project

Many areas of the Township presently served by on-site systems have exhibited problems and/or malfunctions as evidenced by foul odors and numerous homeowner complaints, thus causing a public nuisance. As determined by the soil conservation service, these areas correspond to soils with severe limitations for on-site disposal.

Project Description

This project is for the construction of a sanitary sewer collection system within problem areas of the Township. All of the areas will tie into existing transmission lines for ultimate disposal at the Mountain View treatment plant.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : N. BURLINGTON CO RSA (SOUTH)

Project No. : 340607-03 Eligible Project Cost : \$12,178,875
 FY93 RANK : 111.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population .03382

TOTAL POINTS 100.03382

Project Name, Number

Priority List Rank

Northern Burlington Co. Reg. SA (South)
340607-03
STP, INT, PS, FM, Collection

111

County

Burlington

Service Area

North Hanover, New Hanover, Plumstead Township, Wrightstown

Existing Population

33,822

Need for Project

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. 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.

<u>STP (level of treatment)</u>	<u>Flow (mgd)</u>		<u>Effluent</u>	
	<u>Design</u>	<u>Present</u>	<u>BOD Reported</u> % - mg/l	<u>SS Reported</u> % - 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

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
 FY93 RANK : 112.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	100
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	100

Population .03006
 TOTAL POINTS 100.03006

Project Name, Number

Priority List Rank

Long Branch Sewerage Authority
340820-03
Sludge Treatment and Disposal

112

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
 FY93 RANK : 113.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	100
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	100

Population .02659

TOTAL POINTS 100.02659

Project Name, Number

Priority List Rank

Mount Holly Sewerage Authority
340819-02
Sludge Management/Treatment

113

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 : WASHINGTON TOWNSHIP MUA

Project No. : 340930-01 Eligible Project Cost : \$1,474,180
 FY93 RANK : 114.0
 County : GLOUCESTER Total State Amount : \$1,474,180

I. SEGMENT POINTS

A. Existing Water Conditions

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

B. Existing Water Quality

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

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
Primary Discharge	500	0
I/I Correction-Overflow	250	0
CSD Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population .02622

TOTAL POINTS 100.02622

Project Name, Number

Priority List Rank

Washington Township MUA
340930-01
Collection System

114

County

Gloucester

Service Area

Washington Township

Existing Population

26,222

Need for Project

Failure of on-site sewage disposal systems within the Gardendale and Grenlock areas of Washington Township have created a public nuisance, and have contributed to water quality degradation in the area. As a result, there is a need for construction of a collection system for conveyance of sewage to the Gloucester County Utilities Authority (GCUA) Regional Plant. This project will ultimately improve the water quality of the area.

Project Description

The project will consist of the construction of sewage collection systems to collect the sewage from the Washington Township area for treatment and disposal at the GCUA Regional Wastewater Treatment Plant.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : WINSLOW TWP

Project No. : 340895-02 Eligible Project Cost : \$2,911,560
 FY93 RANK : 115.0
 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
CSD Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0

	SUBTOTAL	50

Population .02527
 TOTAL POINTS 100.02527

Project Name, Number

Priority List Rank

Winslow Township
340895-02
Collection System, Int.

115

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 : GLOUCESTER CO UA (MONROE)

Project No. : 340526-03 Eligible Project Cost : \$2,576,085
 FY93 RANK : 116.0
 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
CSD Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0

	SUBTOTAL	50

Population .02314
 TOTAL POINTS 100.02314

Project Name, Number

Priority List Rank

Gloucester County Utilities Authority (Monroe)
340526-03
INT, PS, FM,
Collection System, Sludge Management

116

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 : LOWER TOWNSHIP MUA

Project No. : 340810-04 Eligible Project Cost : \$4,670,685
 FY93 RANK : 118.0
 County : CAPE MAY Total State Amount : \$4,670,685

I. SEGMENT POINTS

A. Existing Water Conditions

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

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	100
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	100

Population .01978

TOTAL POINTS 100.01978

Project Name, Number

Priority List Rank

Lower Township
340810-04
Sludge

118

County

Cape May

Service Area

Lower Township and Del Haven section of Middle Township

Existing Population

19,784

Need for Project

The solids handling facility improvement is the second phase of the overall STP upgrade and expansion, and is needed to process sludge from the expanded 4 MGD treatment plant in accordance with the Statewide Sludge Management Plan objectives.

The interim plan for sludge disposal consists of two options: (1) haul sludge to the Stony Brook Regional Sewerage Authority for incineration, or (2) dewater sludge and haul to the Atlantic County Utilities Authority for incineration.

Project Description

The proposed project consists of the construction of a dewatering facility to properly handle sludge produced by the wastewater treatment plant (4 MGD design capacity) containing and utilizing Somat dewatering systems as a pre-dewatering process with sludge then continuing through final dewatering through a centrifuge during hot summer months when odor can be a problem and then switching to belt filter process as temperatures allow (or any combination of the above).

Leaves, hammered wood chips and seafood waste will be mixed into dried sludge as a carbon source and nutrient enhancers which will then be placed into enclosed Bio Reactors for a period of approximately twenty-eight (28) days or until properly cured. This will then be marketed as a top quality soil enhancer.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : ROCKAWAY TOWNSHIP

Project No. : 340478-05 Eligible Project Cost : \$14,896,979
 FY93 RANK : 119.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population .01956
TOTAL POINTS 100.01956

Project Name, Number

Priority List Rank

Rockaway Township
340478-05
Collection System, Int., On-site

119

County

Morris

Service Area

Rockaway Township

Existing Population

19,559

Need for Project

Certain areas of the Township have malfunctioning septic systems which have been creating a potential health hazard situation and public nuisance.

Project Description

It is anticipated that this project will be for a collection system or other alternative system in White Meadow Lake and remaining unsewered areas of the Township. This project will alleviate the potential health hazard caused by malfunctioning septic systems.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : LOWER TOWNSHIP MUA

Project No. : 340810-03 Eligible Project Cost : \$2,595,361
 FY93 RANK : 120.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population .01953
TOTAL POINTS 100.01953

Project Name, Number

Priority List Rank

Lower Township MUA
340810-03
CS, PS, Int.

120

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 : MONTVILLE TOWNSHIP MUA

Project No. : 340931-02 Eligible Project Cost : \$15,126,600
 FY93 RANK : 123.0
 County : MORRIS Total State Amount : \$15,126,600

I. SEGMENT POINTS

A. Existing Water Conditions

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

B. Existing Water Quality

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

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
Primary Discharge	500	0
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population : .01620

TOTAL POINTS : 100.01620

Project Name, Number

Priority List Rank

Montville Township MUA
340931-02
Collection System

123

County

Morris

Service Area

Montville Township

Population

16,200

Need for Project

An expansion of the collection system is needed to replace inadequate on-site systems which are malfunctioning and pose a potential health hazard to local residents by adversely impacting well waters.

Project Description

The proposed project involves the construction of lateral sewers and a pumping station to relieve malfunctioning septic systems. This project will provide a collection system for the remaining areas of the Township. These areas include areas 7, 8, 9, 14 and 15-5 as identified in the amendment to the 1981 facilities plan (dated June 1, 1990). Wastewater will be conveyed to the Parsippany-Troy Hills STP for treatment.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : BURLINGTON COUNTY BOARD OF FREEHOLDERS

Project No. : 340811-03 Eligible Project Cost : \$3,896,945
 FY93 RANK : 124.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population .01616
TOTAL POINTS 100.01616

Project Name, Number

Priority List Rank

Burlington County Board of Freeholders(South)
340811-03
Alternative Wastewater Systems

124

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
 FY93 RANK : 125.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population .01540
 TOTAL POINTS 100.01540

Project Name, Number

Priority List Rank

Manchester Township M.U.A.
340650-03
Collection System, Alt. Sys., PS, FM, Int.

125

County

Ocean

Service Area

Parts of Manchester Township

Existing Population

15,409

Need for Project

The tremendous rate of growth in the planning area, coupled with an increasing number of septic tanks, has placed a severe strain on the very permeable sandy soils to adequately treat the domestic wastes. Because of a generally high groundwater table and the 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 : BERNARDS TOWNSHIP SA

Project No. : 340382-02 Eligible Project Cost : \$4,211,312
 FY93 RANK : 126.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population .01530
TOTAL POINTS 100.01530

Project Name, Number

Priority List Rank

Bernards Township S.A.
340382-02
Collection System, Int, P.S., F.M.

126

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

Project No. : 340545-03 Eligible Project Cost : \$3,297,380
 FY93 RANK : 127.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population .01439
TOTAL POINTS 100.01439

Project Name, Number

Priority List Rank

Glassboro Borough
340545-03

127

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

FY93 RANK : 128.0

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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population .01328
TOTAL POINTS 100.01328

Project Name, Number

Priority List Rank

Ringwood Borough Sewerage Authority
340905-01
Small Alternative Wastewater System

128

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 : OAKLAND BOROUGH

Project No. : 340418-05 Eligible Project Cost : \$37,815,000

FY93 RANK : 129.0

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	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population .01300
TOTAL POINTS 100.01300

Project Name, Number

Priority List Rank

Oakland Borough
340418-05
Collection System

129

County

Bergen

Service Area

Borough of Oakland

Existing Population

13,000

Need for Project

The area is currently served by septic systems and some small package treatment plants. Existing disposal facilities result in a public nuisance as a result of high groundwater and impervious soils.

Project Description

The facilities plan recommends the design and construction of a gravity collection system for the majority of the developed areas of the Borough and interceptor sewers. This project involves the collection and interceptor sewers.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : VERNON TWP

Project No. : 340745-02 Eligible Project Cost : \$6,025,025
 FY93 RANK : 130.0
 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
CSD Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population .01108
TOTAL POINTS 100.01108

Project Name, Number

Priority List Rank

Vernon Township
340745-02
Alternative Wastewater Systems

130

County

Sussex

Service Area

The service area consists of the portion (62%) of Vernon Township which lies in the Pochuck Basin.

Existing Population

11,000

Need for Project

Vernon Township is comprised of clusters of lakeside communities (including Barry Lakes) that have developed from seasonal vacation homes to year-round dwellings. This fact, coupled with the restrictions of small, undersized lots located on soils with severe limitations for on-site systems, has resulted in an overburdening of the soil stratum. This has led to an increasing number of septic system failures which previously had functioned satisfactorily. In addition, a number of existing systems are known to be inadequate through design and/or installation deficiencies. This situation poses public health as well as nuisance problems to the Township. The needs of Vernon Township as identified under the Sussex County Step I Study (C340503-01) are to be resolved on a local level through this project.

Project Description

This project would implement the wastewater management recommendations of the Sussex County-Pochuck Facilities Plan on a local level. Collection, low pressure, and/or cluster systems may be involved in this project. On-site rehabilitation in conjunction with the establishment of a septic management district(s) may also be a viable alternative. The construction of this project should satisfy the wastewater needs of Vernon Township, as well as maintaining water quality and safeguarding the public health.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : WANAGUE BOROUGH

Project No. : 340434-02 Eligible Project Cost : \$226,137
 FY93 RANK : 131.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population .01058
TOTAL POINTS 100.01058

Project Name, Number

Priority List Rank

Wanaque Borough
340434-02
Coll. System, Int.

131

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
 FY93 RANK : 132.0
 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
CSD Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population .01055

TOTAL POINTS 100.01055

Project Name, Number

Priority List Rank

Gloucester County Utilities Authority
(Franklin Township)
340461-04
INT, PS, FM, Collection System

132

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
FY93 RANK : 133.0		
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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population	.01048
TOTAL POINTS	100.01048

Project Name, Number

Priority List Rank

Mahwah Township
340592-03
Collection System, Interceptor

133

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 : GLOUCESTER CD UA (MANTUA)

Project No. : 340526-12 Eligible Project Cost : \$1,360,573
 FY93 RANK : 134.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population .00995
 TOTAL POINTS 100.00995

Project Name, Number

Priority List Rank

Gloucester County Utilities Authority (Mantua)
340526-12
PS, FM, Collection System

134

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 indicate 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

FY93 RANK : 135.0

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
		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
				0
			SUBTOTAL	0

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
Primary Discharge	500	0
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
		50
	SUBTOTAL	50

Population .00906

TOTAL POINTS 100.00906

Project Name, Number

Priority List Rank

Chatham Township
340403-04
Interceptors & Collection System

135

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 : \$10,009,800
 FY93 RANK : 136.0
 County : OCEAN Total State Amount : \$10,009,800

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	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
CSD Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population .00900

TOTAL POINTS 100.00900

Project Name, Number

Priority List Rank

Ocean County Utilities Authority
340372-10
Collection System, Interceptors

136

County

Ocean

Service Area

Jackson Township and Manchester Township

Existing Population

5,000

Need for Project

The project is in the Regional Growth Area of the Pinelands Commission as designated in the Pinelands Comprehensive Management Plan. Besides being eligible for a Fund/Trust loan, it is also eligible for funding from the Pinelands Infrastructure Trust Financing Program (Project No. PFL 91-1). The intent of this project is to ensure orderly future development and establishment and to eliminate the existing on-site septic systems which may pose pollution to the surface and ground water. The area is tributary to the Ridgeway-Cabin Branch.

Project Description

The Jackson Township has declined to participate in the collection system construction because the developers have not committed to build the houses there. However, by the Pinelands Commissions directives, the interceptor in the Manchester Township must be sized up to accommodate the built-out capacity of the Regional Growth Area in the Jackson Township. At present, the project is to construct about 10 miles of sewers in Manchester Township and 5 miles of interceptors including large gravity pipes, force mains, and a pump station along the Ridgeway-Cabin Branch. The diameters of sewers range from 8 inches to 30 inches. The interceptors will carry a total flow of 3.3 MGD serving the projected population of 44,000. The wastewater will be treated at OCUA's Central STP located in Bayville.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : BLOOMINGDALE BOROUGH

Project No. : 340634-03 Eligible Project Cost : \$3,032,705

FY93 RANK : 137.0

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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population .00806
TOTAL POINTS 100.00806

Project Name, Number

Priority List Rank

Bloomingtondale Boro
340634-03
Collection System, Int., P.S., F.M.

137

County

Passaic

Service Area

Bloomingtondale

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 Bloomingtondale 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
 FY93 RANK : 138.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population .00800
TOTAL POINTS 100.00800

Project Name, Number

Priority List Rank

Wantage Township
340760-03
Alternative Wastewater Systems

138

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

FY93 RANK : 139.0

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
CSD Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population .00797
TOTAL POINTS 100.00797

Project Name, Number

Priority List Rank

Stafford Municipal Utilities Authority
340879-01
Modifications and replacement for
Vacuum Wastewater Collection System

139

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 : BRANCHBURG TOWNSHIP

Project No. :	340852-02	Eligible Project Cost	:	\$564,839
FY93 RANK :	140.0			
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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population	.00785
TOTAL POINTS	100.00785

Project Name, Number

Priority List Rank

Branchburg Township
340852-02
Collection System

140

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
 FY93 RANK : 141.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population .00784
 TOTAL POINTS 100.00784

Project Name, Number

Priority List Rank

Upper Saddle River Borough
340909-01
Collection System, Interceptor

141

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
 FY93 RANK : 142.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population .00781
TOTAL POINTS 100.00781

Project Name, Number

Priority List Rank

Byram Township
340569-02
Alternative Wastewater Systems

142

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
 FY93 RANK : 143.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population : .00766
TOTAL POINTS : 100.00766

Project Name, Number

Priority List Rank

Passaic Township
340404-05
Collection System, Interceptor

143

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
 FY93 RANK : 144.0
 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
CSD Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population .00740
TOTAL POINTS 100.00740

Project Name, Number

Priority List Rank

Northern Burlington County Regional
Sewerage Authority - North
340607-04
Alternative Wastewater System

144

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 : CHESTERFIELD TOWNSHIP

Project No. : 340944-01 Eligible Project Cost : \$16,048,768
 FY93 RANK : 145.0
 County : BURLINGTON Total State Amount : \$16,048,768

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population .00710
 TOTAL POINTS 100.00710

Project Name, Number

Priority List Rank

Chesterfield Township
340944-01
Collection System, STP

145

County

Chesterfield Township

Service Area

Village of Crosswicks and certain areas of Chesterfield Township

Population

7,100

Need for Project

The draft Township Master Plan has been developed to implement a Transfer of Development Rights (TDR) program to preserve agricultural lands in the Township. This program requires establishing a high density receiving zone which requires public sewerage service. The Village of Crosswicks is in need of sanitary services to eliminate existing individual on-site disposal system problems.

Project Description

The proposed project consists of a collection system, trunk sewer, and three pumping stations to serve the Village of Crosswicks and receiving zone which will be developed to implement a TDR program. Wastewater treatment will be provided either by the Wagner Youth Correction Facility or by construction of a new Municipal Wastewater Treatment Facility.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : CARLSTADT SA

Project No. : 340705-03 Eligible Project Cost : \$4,289,917
 FY93 RANK : 146.0
 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
CSD Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population .00612
TOTAL POINTS 100.00612

Project Name, Number

Priority List Rank

Carlstadt Sewerage Authority
340705-03
Int/Coll

146

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 sewer flows are currently conveyed to the Rutherford/Carlstadt's Joint Meeting STP for treatment prior to discharge to Berry's Creek (FW2-NT/SE-2). This plant has been under a court order on consent to be abandoned in favor of regional treatment by the Bergen County Utilities Authority (BCUA). Existing water quality violates standards for dissolved oxygen, fecal coliform, and toxics.

Project Description

The facilities plan has evaluated alternative methods for the diversion of all or part of the flow from the Joint Meeting plant to the BCUA regional treatment facilities. The plan also identifies additional sanitary facilities needed to collect sewage in developed and developing areas of Carlstadt.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : MILFORD BOROUGH

Project No. : 340805-02 Eligible Project Cost : \$3,430,675

FY93 RANK : 147.0

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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	100
New Systems	50	0
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	100

Population .00610

TOTAL POINTS 100.00610

Project Name, Number

Priority List Rank

Borough of Milford
340805-02
Sludge & Septage Treatment/Disposal,
On-site, I/I Correction

147

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 : MAHWAH TOWNSHIP

Project No. : 340737-01 Eligible Project Cost : \$192,619
 FY93 RANK : 148.0
 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
CSD Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population .00600
 TOTAL POINTS 100.00600

Project Name, Number

Priority List Rank

Mahwah, Township of
340737-01
Alternative Wastewater System

148

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
 FY93 RANK : 149.0
 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
CSD Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0

	SUBTOTAL	50

Population .00596
 TOTAL POINTS 100.00596

Project Name, Number

Priority List Rank

Sussex County MUA - Paulinskill (Phase II)
Branchville/Frankford Area
340759-02
STP, PS, FM, Int.

149

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 : CHESTER BOROUGH

Project No. : 340876-01	Eligible Project Cost	: \$1,178,316
FY93 RANK : 150.0		
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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population	.00564
TOTAL POINTS	100.00564

Project Name, Number

Priority List Rank

Chester Borough
340876-01
STP, PS, FM

150

County

Morris

Service Area

Borough of Chester

Existing Population

5,642

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 : WHARTON BOROUGH

Project No. : 340489-03 Eligible Project Cost : \$500,568
 FY93 RANK : 151.0
 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
CSD Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population .00557
TOTAL POINTS 100.00557

Project Name, Number

Priority List Rank

Wharton Borough
340489-03
Collection System, Int.

151

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 : \$11,846,739
 FY93 RANK : 152.0
 County : CAMDEN Total State Amount : \$11,846,739

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population .00555
 TOTAL POINTS 100.00555

Project Name, Number

Priority List Rank

Berlin Township
340790-02
Collection System

152

County

Camden

Service Area

Berlin Township

Existing Population

5,546

Need for Project

At present there is no sewer service to the residents of Berlin Township. Well-drained, sandy soils and a shallow groundwater table increase the possibility of contamination to ground waters by individual septic tank disposal systems. In addition, contamination of the head waters of the Great Egg Harbor River (PL and FW2-NT) and nitrogen contamination of wells has been attributed to septic tank sources in Berlin Township. The systems are also creating a public nuisance.

Project Description

The proposed project consists of the construction of a new collection system of approximately 138,774 linear feet and four pumping stations. The collection system will connect to the regional CCMUA pumping station.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : FRANKFORD TWP

Project No. : 340742-02 Eligible Project Cost : \$2,006,553
 FY93 RANK : 153.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population .00510
TOTAL POINTS 100.00510

Project Name, Number

Priority List Rank

Frankford Township
340742-02
Collection System, Int.

153

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

Project No. : 340857-01 Eligible Project Cost : \$1,643,089
 FY93 RANK : 154.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0

	SUBTOTAL	50

Population .00498
 TOTAL POINTS 100.00498

Project Name, Number

Priority List Rank

Atlantic Highlands Borough
340857-01
Collection System

154

County

Monmouth

Service Area

Unsewered portions of Atlantic Highlands Borough

Existing Population

4,976

Need for Project

Failing septic systems in the unsewered areas of the Borough are causing a public nuisance.

Project Description

A gravity collection system is proposed to replace the existing failing septic systems. It is also proposed to rehabilitate the sanitary sewer system, which is approximately 60 years old, and has a severe infiltration and inflow problem.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : BLAIRSTOWN TWP

Project No. : 340568-02 Eligible Project Cost : \$1,499,562
 FY93 RANK : 155.0
 County : WARREN Total State Amount : \$1,499,562

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population .00489
TOTAL POINTS 100.00489

Project Name, Number

Priority List Rank

Blairstown Township
340568-02
Coll, Int.

155

County

Warren

Service Area

Blairstown

Existing Population

4,890

Need for Project

Presently Blairstown Township has failing on-site wastewater disposal systems. There are documented failures in parts of the Township that may eventually pose health problems in the future. There are no public wastewater collection and treatment facilities in the study area but there are currently two privately owned and operated wastewater treatment plants: Blair Academy and N. Warren Regional High School. The plants will be addressed through the regional project (Warren County Paulinskill/Blairstown, Project No. C340453-03).

Project Description

Warren County-Paulinskill MUA is developing a wastewater treatment system proposing a regional sewage treatment plant which will serve Blairstown Township (C340453-03).

This project (C340568-02) includes the construction of a collection system for the Village of Blairstown area.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : WASHINGTON TOWNSHIP MUA

Project No. : 340951-01 Eligible Project Cost : \$8,695,821
 FY93 RANK : 158.0
 County : MORRIS Total State Amount : \$8,695,821

I. SEGMENT POINTS

A. Existing Water Conditions

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

B. Existing Water Quality

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

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
Primary Discharge	500	0
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population .00443
 TOTAL POINTS 100.00443

Project Name, Number

Priority List Rank

Washington Township MUA
340951-01
Collection System, STP

158

County

Morris

Service Area

Two developed areas of Washington Township known as Long Valley Village and Parker Acres

Existing Population

4,434

Need for Project

Both areas - Long Valley Village and Parker Acres - experience frequent failures of existing septic systems. Lot sizes are predominately 1 acre. However, in the Long Valley Village area there are a number of older homes and businesses located on 1/4 acre parcels. Most buildings in both areas are located in zones with soils of low permeability and/or steep topography having slopes greater than 15 percent. The combination of these features makes repair of the failed septics difficult. In many instances, systems complying with modern septic system construction codes can not be constructed.

Project Description

To eliminate the ongoing problems, the construction of sewerage collection and treatment facilities are proposed. The installation of local collection systems in both the Long Valley Village and Parker Acres areas is necessary. Sewerage collected in the Long Valley Village area would be routed to a new Treatment Facility proposed at the downstream end of the drainage basin near the South Branch. Treatment, inclusive of filtration and disinfection, would be carried out as required to allow groundwater disposal.

Effluent from the Parker Acres area would be either treated at a plant in that area or pumped into the Long Valley Plant for treatment and disposal at that proposed facility.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : HOPEWELL TOWNSHIP MUA

Project No. : 340648-03 Eligible Project Cost : \$5,813,726
 FY93 RANK : 159.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population .00435
 TOTAL POINTS 100.00435

Project Name, Number

Priority List Rank

Hopewell Township MUA
340648-03
Alternative Wastewater System

159

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 : MINE HILL TOWNSHIP

Project No. : 340498-01 Eligible Project Cost : \$3,190,499
 FY93 RANK : 160.0
 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
CSD Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0

	SUBTOTAL	50

Population .00311
 TOTAL POINTS 100.00311

Project Name, Number

Priority List Rank

Mine Hill Township
340498-01
Collection System, Int.

160

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
 FY93 RANK : 161.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population .00300
TOTAL POINTS 100.00300

Project Name, Number

Priority List Rank

Egg Harbor Township MUA
340860-01
PS, Int., Coll.

161

County

Atlantic

Service Area

Southeastern portion of Egg Harbor Township, approximately 1.7 square miles which includes the following developments:

Zion Park
Fairview Manor
Woodside Park
Deerfield Estates

Mitchell Park
Mitchell Park West
Harborwood
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 : RIVERDALE BOROUGH

Project No. : 340729-01 Eligible Project Cost : \$1,304,924
 FY93 RANK : 162.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population .00242
TOTAL POINTS 100.00242

Project Name, Number

Priority List Rank

Borough of Riverdale
340729-01
Collection System, Int.

162

County

Morris

Service Area

The service area consists of the Borough of Riverdale.

Existing Population

2,421

Need for Project

The area is served entirely by individual septic systems discharging to the ground water table. Failures appear to be contributing to surface and subsurface pollution of the ground and groundwater, posing a potential health problem and public nuisance.

Project Description

The project consists of a collection system and interceptor for the major portion of the Borough. This will significantly reduce the potential for water pollution from malfunctioning septic systems and reduce the public health hazard. The project report has not yet been submitted.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : RIVERDALE BOROUGH

Project No. : 340473-01 Eligible Project Cost : \$4,002,412
 FY93 RANK : 163.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population .00241
TOTAL POINTS 100.00241

Project Name, Number

Priority List Rank

Riverdale Borough
340473-01
Interceptor

163

County

Morris

Service Area

The service area consists of the Borough of Riverdale.

Existing Population

2,421

Need for Project

The area is served entirely by individual septic systems discharging to the groundwater table. Failures appear to be contributing to surface and subsurface pollution of the ground and groundwater, posing a potential health problem and public nuisance.

Project Description

The project consists of construction of an interceptor sewer to provide a complete collection system for the major part of the Borough. This will significantly reduce the potential for water pollution from malfunctioning septic systems and reduce the public health hazard. The project report work has not yet been initiated.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : MAHWAH TOWNSHIP

Project No. : 340592-06 Eligible Project Cost : \$4,582,708
 FY93 RANK : 164.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0

	SUBTOTAL	50

Population .00235
 TOTAL POINTS 100.00235

Project Name, Number

Priority List Rank

Mahwah Township
340592-06
Collection System, Int.

164

County

Bergen

Service Area

Portion of the Township of Mahwah

Existing Population

2,350

Need for Project

The area is currently served by septic systems; failures appear to be contributing to the pollution of groundwater, a potable water source, however this has yet to be documented. This could result in health problems in the community. The project would also convey wastewater from package plants in the Township.

Project Description

The project involves construction of collection system to serve Craigmere and Oak Hills sections of Mahwah Township. The wastewater will be conveyed through the Northwest Bergen County Sewer Authority interceptors and then to the treatment plant in Waldwick. The facilities plan work has not been submitted by the Township.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : WEST PATERSON BOROUGH

Project No. : 340778-03 Eligible Project Cost : \$1,865,000
 FY93 RANK : 165.0
 County : PASSAIC Total State Amount : \$1,865,000

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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population .00220
 TOTAL POINTS 100.00220

Project Name, Number

Priority List Rank

West Paterson Borough
340778-03
Collection System

165

County

Passaic

Service Area

Southeast section of the Borough of West Paterson

Existing Population

2,200

Need for Project

The Southeast section of the Borough of West Paterson has malfunctioning septic systems which have been creating a public nuisance and are a potential health hazard.

Project Description

The proposed project consists of the construction of approximately 8,000 LF of 8-inch gravity sewer and a small pumping station to convey the wastewater to the existing municipal sewer system. All existing and future sewage flows within this area are to be conveyed to the Passaic Valley Sewerage Commissioners' wastewater treatment plant located in Newark, for treatment and disposal.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : EVESHAM MUA

Project No. : 340838-01 Eligible Project Cost : \$3,288,152
 FY93 RANK : 166.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population .00210
TOTAL POINTS 100.00210

Project Name, Number

Priority List Rank

Evesham Twp. Municipal Utilities Authority
340838-01
Alternative Wastewater Systems

166

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:

- o 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.
- o 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 : \$7,248,187
 FY93 RANK : 167.0
 County : MONMOUTH Total State Amount : \$7,248,187

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0

	SUBTOTAL	50

Population .00190
 TOTAL POINTS 100.00190

Project Name, Number

Priority List Rank

Wall Township
340622-04
Collection System, Interceptor

167

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 not be appropriate. Poor soil types along with seasonal high groundwater result in a public nuisance such as sewage seeping out of the ground.

Project Description

The proposed project consists of construction of a collection system which includes approximately 60,545 linear feet (LF) of sewer lines, 16,550 LF of force mains, 3 pumping stations and related appurtenances. The sewage collected by this system will be transmitted to the South Monmouth Regional Sewage Treatment Plant for treatment and disposal.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : KINNELON BOROUGH

Project No. : 340487-02 Eligible Project Cost : \$8,106,811
 FY93 RANK : 169.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population .00170

TOTAL POINTS 100.00170

Project Name, Number

Priority List Rank

Kinnelon Borough
340487-02
Collection, PS, FM, INT.

168

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-Bloomington 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
 FY93 RANK : 169.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population .00166
 TOTAL POINTS 100.00166

Project Name, Number

Priority List Rank

Hope Township
340872-01
Individual Systems

169

County

Warren

Service Area

The study area for this project consists of Hope Township within the Pequest Basin.

Existing Population

1,657

Need for Project

The majority of the township is currently using cesspools as a means of on-site wastewater disposal. Failures of these systems have created potential health hazards. In the Silver Lake area, the water table is high and wells are shallow. Cesspools and septic systems have been a public nuisance through surface failures and groundwater pollution. The septic malfunctions have been threatening the health and welfare of the local residents. Because of the existing small lot size, soil limitations and lack of adequate planning for runoff management, there is significant potential for future environmental and health problems within the community as well as problems of the degradation of water quality in Silver Lake.

Project Description

This project is still in early stage of planning and proposes small diameter gravity system connected to a community-based leaching field as an alternative solution to malfunctioning septic systems. Also included is a sub-surface drainage system to be installed to collect and divert high, seasonal groundwater and run-off to protect the disposal bed from flooding.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : PEQUANNOCK TOWNSHIP

Project No. : 340480-06 Eligible Project Cost : \$8,638,364

FY93 RANK : 170.0

County : MORRIS Total State Amount : \$8,638,364

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	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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population .00134

TOTAL POINTS 100.00134

Project Name, Number

Priority List Rank

Pequannock Township
340480-06

170

County

Morris

Service Area

Pequannock Township

Existing Population

1344

Need for Project

The project is needed to improve existing wastewater treatment practices through the elimination of approximately 490 on-site disposal systems in a residential/commercial area and replacing them with a sanitary sewer system. The soils in this service area are classified by the Soil Conservation Service as severely limiting for on-site disposal. The average housing stock in this area is in excess of 35 years and health surveys have indicated an incidence of septic system malfunctions and shallow aquifer contamination. The proposed sewer system will provide the transmission facilities to convey the wastewater to the Pequannock, Lincoln Park and Fairfield Park Sewerage Authority (TBSA) facilities for ultimate treatment.

Project Description

This Phase III project will be an extension of the Phase I sanitary sewer system and will include the residential area known as the "Village" and the commercial areas on the east and west sides of Route 23.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : BRIDGEWATER TOWNSHIP

Project No. : 340638-03 Eligible Project Cost : \$1,685,801
 FY93 RANK : 171.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population .00133
 TOTAL POINTS 100.00133

Project Name, Number

Priority List Rank

Bridgewater Township
340638-03
Collection System, Int.

171

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
 FY93 RANK : 172.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0

	SUBTOTAL	50

Population .00132

TOTAL POINTS 100.00132

Project Name, Number

Priority List Rank

Beachwood Sewerage Authority
340899-01
Collection System

172

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
 FY93 RANK : 173.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0

	SUBTOTAL	50

Population .00128
 TOTAL POINTS 100.00128

Project Name, Number

Priority List Rank

Middle Township (Rio Grande)
340754-03
Collection and Interceptor System

173

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 malfunctioning is attributed to high population density and poor soils that are not suitable for septic systems. These facilities create a public nuisance. 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.

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.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : WEST CAPE MAY BOROUGH

Project No. : 340624-05	Eligible Project Cost	:	\$465,226
FY93 RANK : 174.0			
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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population .00125

TOTAL POINTS 100.00125

Project Name, Number

Priority List Rank

West Cape May Borough
340624-05
Alternative Wastewater System

174

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 malfunctioning of existing on-site systems.

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
 FY93 RANK : 175.0
 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
CSD Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population .00114

TOTAL POINTS 100.00114

Project Name, Number

Priority List Rank

Raritan Township MUA (RTMUA)
340485-04
Alternative Collection, Alternative Systems

175

County

Hunterdon

Service Area

Raritan Township

Existing Population

1,442

Need for Project

This project is proposed for the elimination of malfunctioning septic systems. Existing water quality in the area does not meet standards for dissolved oxygen and fecal coliform and marginally meets standards for nutrient and toxics.

Project Description

According to the 201 Facilities Plan for the Middle South Branch of the Raritan River, collection systems were proposed for Sand Hill Road, Sunny Hills Estates, Old Craton Road, Raritan Gardens, Broad Acres and Ridge Road areas, individual & mound systems for the Deerpath Village and Southridge areas, and a STEP system for Bridgeview Estates. The septic tank effluent from the effluent collectors and STEP System will be treated at the Raritan Township MUA.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : PEQUANNOCK TOWNSHIP

Project No. : 340480-03 Eligible Project Cost : \$4,136,917
 FY93 RANK : 176.0
 County : MORRIS Total State Amount : \$4,136,917

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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population .00100
 TOTAL POINTS 100.00100

Project Name, Number

Priority List Rank

Pequannock Township
340480-03
Collection System

176

County

Morris

Service Area

Pequannock Township

Existing Population

1,000

Need for Project

The project is needed to improve existing wastewater treatment practices through the elimination of approximately 235 on-site disposal systems in a residential/commercial area and replacing them with a sanitary sewer system. The soils in this service area are classified by the Soil Conservation Service as severely limiting for on-site disposal. The average housing stock in this area is in excess of 50 years and health surveys have indicated an incidence of septic system malfunctions and shallow aquifer contamination.

Project Description

The proposed sanitary sewer system is an extension of the Phase I gravity sewer and pumping station/force main presently under construction. The proposed Phase II system will serve commercial and residential properties in the vicinity of the Newark-Pompton Turnpike and West Franklin Avenue. The proposed sewer system will provide the transmission facilities to convey the wastewater to the Pequannock, Fairfield and Lincoln Park Sewerage Authority (TBSA) facilities for ultimate treatment.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : BOONTON TOWN

Project No. : 340934-01 Eligible Project Cost : \$3,040,865
 FY93 RANK : 177.0
 County : MORRIS Total State Amount : \$3,040,865

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	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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population 1,000,950
 TOTAL POINTS 100.00095

Project Name, Number

Priority List Rank

Boonton Town
340934-01
Collection Systems, Int. F.M. P.S.

177

County

Morris

Service Area

Town of Boonton

Existing Population

949

Need for Project

The purpose of this project is to improve the overall water quality of groundwater, ponds, streams and rivers in the service area. This will be accomplished by replacing failing and/or old on-site subsurface wastewater systems with new sewer mains and laterals which will transport sewage to the existing Rockaway Valley Regional Sewage Authority Treatment Plant.

Project Description

This project consists of the remaining portions of the town which have yet to be sewered. The overall plan to sewer the town consists of five phases. Phase I is complete. Phase II is currently under construction. Phase III has been bid but has yet to be constructed. This project consists of the final two phases. Phase IV consist of 11,700 linear feet of 8" gravity sewers with 168 house connections. Phase V consists of approximately 8,000 linear feet of 8" gravity sewers, 103 house connections and a moderately sized pump station. The proposed sewer lines will eventually flow to the Jersey City Trunkline and then to the Rockaway Valley Regional Sewage Authority Treatment Plant. The new sewers will be maintained by the Town of Boonton Water and Sewer Department.

WORKSHEET -- PRIORITY RANKING

Anticipated

Recipient : UPPER TWP (STRATHMERE)

Project No. : 340619-03 Eligible Project Cost : \$1,752,682
 FY93 RANK : 178.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0

	SUBTOTAL	50

Population .00091
 TOTAL POINTS 100.00091

Project Name, Number

Priority List Rank

Upper Township (Strathmere)
340619-03
Sewage Collection and
Interceptor System

178

County

Cape May

Service Area

Strathmere Section of Upper Township

Existing Population

919
2,576 (Summer Peak)

Need for Project

This project is proposed for the elimination of public nuisance associated with ground and surface water pollution possibly resulting from malfunctioning individual on-site wastewater treatment systems. The Strathmere section of Upper Township is a recreational island community characterized by high summer population densities and high groundwater levels.

Project Description

Upper Township proposes the planning, design and construction of a new sanitary sewage collection and interceptor system for the elimination of the existing improperly operating on-site systems. Wastes collected in this system will be pumped into the Avalon system for transmission to the proposed 7.67 mgd Seven Mile/Middle regional treatment facility. The collection and treatment of wastes generated by the Strathmere section of Upper Township were included in the Seven Mile/Middle regional plans.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : PEQUANNOCK TOWNSHIP

Project No. : 340480-05 Eligible Project Cost : \$5,865,659
 FY93 RANK : 179.0
 County : MORRIS Total State Amount : \$5,865,659

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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population .00086
TOTAL POINTS 100.00086

Project Name, Number

Priority List Rank

Pequannock Township
340480-05
Collection System

179

County

Morris

Service Area

Pequannock Township

Existing Population

855

Need for Project

The project is needed to improve existing wastewater treatment practices through the elimination of on-site disposal systems in a residential/commercial area and replacing them with a sanitary sewer system as well as for future growth. The soils in this service area are classified by the Soil Conservation Service as severely limiting for on-site disposal. The average housing stock in this area is in excess of 35 years and health surveys have indicated an incidence of septic system malfunctions and shallow aquifer contamination.

Project Description

This Phase III project will be an extension of the Phase I sanitary sewer system and will include the residential area between Greenwood Avenue and Pequannock Avenue and the commercial properties along the southern portion of Route 23. The proposed sewer system will provide the transmission facilities to convey the wastewater to the Pequannock, Lincoln Park and Fairfield Park Sewerage Authority (TBSA) facilities for ultimate treatment.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : BRANCHVILLE BOROUGH

Project No. : 340740-02 Eligible Project Cost : \$2,263,306
 FY93 RANK : 180.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0

	SUBTOTAL	50

Population .00085
 TOTAL POINTS 100.00085

Project Name, Number

Priority List Rank

Branchville Borough
340740-02
Collection System, Int.

180

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
 FY93 RANK : 181.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0

	SUBTOTAL	50

Population .00081
 TOTAL POINTS 100.00081

Project Name, Number

Priority List Rank

Galloway Township
340892-01
Collection System, Pumping Stations

181

County

Atlantic

Service Area

South Egg Harbor City

Existing Population

809

Need for Project

The present disposal system for the area is a septic system, which is failing and may pose a threat to health and may also contaminate surface and groundwaters.

The Pinelands Commission has recently adopted a new ordinance that affects this area. The zoning of the South Egg Harbor City Section of the Township reflects this change and conforms to the Pinelands comprehensive management plan.

Project Description

The proposed sanitary sewer extension project consists of approximately 60,000 linear feet of 8-inch, 10-inch, or 12-inch diameter gravity sanitary sewer lines to service the existing population of the area. The system is designed to consist of 231 unsewered dwelling units (@ 3.5 persons per dwelling unit).

Two pumping stations will also be necessary. One is planned to be located along Pittsburg Avenue, the other along Bella Donna Street.

The wastewater flow from this area will be conveyed via the ACUA Pomona Pump Station to the ACUA Coastal Plant for secondary treatment, with effluent discharge to the Atlantic Ocean.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : BERKELEY TOWNSHIP SA

Project No. :	340937-02	Eligible Project Cost	:	\$2,229,514
FY93 RANK :	182.0			
County :	OCEAN	Total State Amount	:	\$2,229,514

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	125	0
Recreation (Primary Contact)	125	0
Agricultural Water Use	25	0
Industrial Water Use	25	0
Public Nuisance (On Site Systems Only)	50	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
CSD Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0

	SUBTOTAL	50

Population	.00080
TOTAL POINTS	100.00080

Project Name, Number

Priority List Rank

Berkeley Township SA
340937-02
Collection System

182

County

Ocean

Service Area

Eastern portion of Berkeley Township including the area surrounding
Lawrence Avenue and area east of Holly Park

Existing Population

800

Need for Project

The total number of existing homes in the area is 187. Residents currently utilize septic systems for wastewater disposal. These systems are failing because of poor soil and high ground water conditions. Ground water is also the source of drinking water for many of the area residents.

Project Description

The proposed project involves installation of approximately 20,600 linear feet of 8-inch diameter gravity sewer and two prefabricated pumping stations with approximately 3,200 linear feet of 4-inch diameter force main combined to collect and transport the wastewater. The wastewater will be transported into the existing Berkeley Township SA sewerage system and ultimately to the Ocean County Utilities Authority Central Wastewater Treatment Plant.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : BERKELEY TOWNSHIP SA

Project No. : 340937-01 Eligible Project Cost : \$3,728,542
 FY93 RANK : 183.0
 County : OCEAN Total State Amount : \$3,728,542

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population .00070
 TOTAL POINTS 100.00070

Project Name, Number

Priority List Rank

Berkeley Township SA
340937-01
Collection System

183

County

Ocean

Service Area

Northeastern portion of Berkeley Township known as Good Luck Point and Riviera Beach

Existing Population

700

Need for Project

Residences and businesses currently utilize septic systems for wastewater disposal. These systems have been failing due to poor soil and high ground water conditions.

Project Description

The proposed project involves building a collection system in the Riviera Beach area consisting of approximately 8,200 linear feet of 8-inch gravity sewer flowing into a prefabricated pumping station. The flow would then be pumped through approximately 5,000 linear feet of 4-inch force main to an 8-inch gravity sewer in the Good Luck Point area. The collection system in the Good Luck Point area would consist of approximately 6,100 linear feet of 8-inch gravity sewer flowing into a second proposed pump station. The combined flow from Riviera Beach/Good Luck Point area would then be pumped through approximately 3,500 linear feet of 6-inch force main to the 12-inch developer-proposed gravity sewer. Thence, the entire flow would be transported to the Ocean County Utilities Authority Central secondary wastewater treatment plant.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : MIDDLE TWP (DEL HAVEN)

Project No. : 340691-03 Eligible Project Cost : \$3,040,168
 FY93 RANK : 184.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0

	SUBTOTAL	50

Population .00068
 TOTAL POINTS 100.00068

Project Name, Number

Priority List Rank

Middle Township (Del Haven)
340691-03
Collection and Interceptor System

184

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. 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.

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.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : OCEAN TWP SA

Project No. : 340750-03 Eligible Project Cost : \$2,369,276
 FY93 RANK : 185.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population .00064
 TOTAL POINTS 100.00064

Project Name, Number

Priority List Rank

Ocean Township Sewerage Authority
340750-03
Collection System, Int.

185

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 a 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 : \$2,360,208
 FY93 RANK : 186.0
 County : BURLINGTON Total State Amount : \$2,360,208

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population .00062

TOTAL POINTS 100.00062

Project Name, Number

Priority List Rank

Shamong Township
340831-01
Alternative Wastewater System

186

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 : FLAINSBORO TOWNSHIP

Project No. : 340836-01 Eligible Project Cost : \$1,571,756
 FY93 RANK : 187.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population .00045
 TOTAL POINTS 100.00045

Project Name, Number

Priority List Rank

Plainsboro Township
340836-01
Coll, Int.

187

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
 FY93 RANK : 188.0
 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
CSD Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population .00042
 TOTAL POINTS 100.00042

Project Name, Number

Priority List Rank

Franklin Township Sewerage Authority
340839-01
Pump Station, Interceptor, Force Main

188

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
FY93 RANK : 189.0			
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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population .00041

TOTAL POINTS 100.00041

Project Name, Number

Priority List Rank

Clayton S.A./Silver Lake
340918-01
Collection System

189

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.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : PENNSVILLE SA

Project No. : 340870-01 Eligible Project Cost : \$1,818,150
 FY93 RANK : 190.0
 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
CSD Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population .00040
 TOTAL POINTS 100.00040

Project Name, Number

Priority List Rank

Pennsville Township
340870-01
Collection System

190

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
 FY93 RANK : 191.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0

	SUBTOTAL	50

Population .00035
 TOTAL POINTS 100.00035

Project Name, Number

Priority List Rank

Buena Borough MUA
340833-01
Alternative Wastewater System

191

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 : STAFFORD MUA

Project No. : 340946-01 Eligible Project Cost : \$1,649,204
 FY93 RANK : 192.0
 County : OCEAN Total State Amount : \$1,649,204

I. SEGMENT POINTS

A. Existing Water Conditions

Water Use	Possible Points	Points Scored
Potable Water Supply	200	0
Freshwater Fisheries (Trout/Nontrout)	75/25	0
Shellfish	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
CSD Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population .00020
 TOTAL POINTS 100.00020

Project Name, Number

Priority List Rank

Stafford MUA
340946-01
Grinder Pumps and Pressure Sewer

192

County

Ocean

Service Area

Cedar Run Dock Road Area of Stafford Township and Cedar Run
Boulevard Area of Eagleswood Township

Existing Population

200

Need for Project

There are currently 71 individual dwellings that discharge domestic sewage to the surface and/or ground in the service area. This condition poses water pollution and potential health hazards and must be corrected.

Project Description

The proposed project will involve installation of a pressure type sewer system to serve each of the dwellings. The sewage will be discharged to the Southern Water Pollution Control Facility of the Ocean County Utilities Authority. This facility is located at the end of Green Briar Road in Cedar Run. The project requires the construction of approximately 3 miles of sewage force main.

WORKSHEET -- PRIORITY RANKING

Anticipated

Recipient : CLAYTON SA/HILLSIDE

Project No. : 340918-02 Eligible Project Cost : \$819,263
 FY93 RANK : 193.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population .00015
 TOTAL POINTS 100.00015

Project Name, Number

Priority List Rank

Clayton S.A./Hillside
340918-02
Collection System

193

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 : RARITAN BOROUGH

Project No. : 340781-03	Eligible Project Cost	:	\$482,764
FY93 RANK : 196.0			
County : SOMERSET	Total State Amount	:	\$482,764

I. SEGMENT POINTS

A. Existing Water Conditions

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

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
Primary Discharge	500	0
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
		50
	SUBTOTAL	50

Population .00010

TOTAL POINTS 100.00010

Project Name, Number

Priority List Rank

Raritan Borough
340781-03
Collection System

196

County

Somerset

Service Area

Vones Lane Section of Raritan Borough

Existing Population

100

Need for Project

The Vones Lane Section of Raritan Borough is experiencing a high degree of septic tank failures (70%) overflows due to poor soil and high groundwater. This has resulted in septage flowing onto yards and streets.

Project Description

The proposed project will eliminate the septic systems through the construction of a collection system and conveyance facilities.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : WEST CAPE MAY BOROUGH

Project No. : 340624-04 Eligible Project Cost : \$442,659
 FY93 RANK : 197.0
 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
CSD Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population .00008
TOTAL POINTS 100.0000E

Project Name, Number

Priority List Rank

West Cape May Borough
340624-04
Collection System

197

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 possible malfunctioning individual septic systems. Potential groundwater pollution, as well as pollution of shellfishing waters and recreation areas, may be a result of the present individual systems.

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 County MUA's system through Cape May City sewer system. It will contribute a flow of about 2,200 gallons per day.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : WOODBRIDGE TOWNSHIP

Project No. : 340433-08 Eligible Project Cost : \$30,000
 FY93 RANK : 198.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population .00002

TOTAL POINTS 100.00002

Project Name, Number

Priority List Rank

Woodbridge Township
340433-08
Collection System

198

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
 FY93 RANK : 199.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population 1.78184

TOTAL POINTS 51.78184

Project Name, Number

Priority List Rank

Middlesex County Utilities Authority
340680-05
Septage Treatment Facilities

199

County

Middlesex

Service Area

Bound Brook Borough, Carteret Borough, Chatham Township (C), Clark Township (C), Cranford Township (C), Dunellen Borough, East Brunswick Township, Edison Township, Elizabeth City (C), Fanwood Borough, Franklin Township, Garwood Borough (C), Helmetta Borough, Highland Park Borough, Hillside Township (C), Irvington (C), Jamesburg Borough, Kenilworth Borough, Linden (C), Maplewood Township (C), Middlesex Borough, Millburn Township (C), Milltown Borough, Monmouth County (C), Monroe Township, Mountainside Township, New Brunswick, New Providence (C), North Plainfield, Old Bridge Township, Perth Amboy, Piscataway Township, Plainfield, Plainsboro Township, Rahway (C), Roselle (C), Roselle Park (C), Sayreville, Scotch Plains Township, South Bound Brook Borough, South Brunswick Township, South Orange Village, South Plainfield Borough, South River Borough, Spotswood Borough, Springfield Township (C), Summit (C), Watchung, Westfield (C), Winfield Township (C), West Orange (C), Woodbridge

(C) - Contracted for Septage Disposal

Existing Population

1,781,839

Need for Project

This project will provide the necessary septage receiving facilities to ensure the proper treatment and disposal of septage from MCUA's designated septage service area. The project will provide clean-up facilities for any spills during unloading and will enable all septage haulers to utilize the disposal site. Operations at the plant will be greatly improved and the waiting period which haulers are frequently subject to will be eliminated. This will reduce the illegal disposal of septage.

Project Description

The new receiving facilities will consist of a paved receiving area for septage trucks, a piping and walkway structure, a quality control and receiving station, and new septage pumps installed in the existing grit chamber control building basement. The receiving station will be designed to adequately handle up to 120,000 gallons of septage per day.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : MIDDLESEX COUNTY UA

Project No. : 340637-04 Eligible Project Cost : \$18,549,635
 FY93 RANK : 200.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
SUBTOTAL		50

Population .49657

TOTAL POINTS 50.49657

Project Name, Number

Priority List Rank

Middlesex County Utilities Authority (MCUA)
340637-04
Infiltration/Inflow Correction

200

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
 FY93 RANK : 201.0
 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
CSD Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population .37657
 TOTAL POINTS 50.37657

Project Name, Number

Priority List Rank

Bergen County Utilities Authority
340768-02
Infiltration/Inflow Correction

201

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 : MT HOLLY SA

Project No. : 340817-02 Eligible Project Cost : \$1,258,546
 FY93 RANK : 202.0
 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
CSD Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population .35829

TOTAL POINTS 50.35829

Project Name, Number

Priority List Rank

Mount Holly Sewerage Authority
340817-02
Septage Treatment

202

County

Burlington

Service Area

Several Municipalities in New Jersey

Existing Population

358,288

Need for Project

The State of New Jersey has mandated that all septic tank wastes (septage) be banned from disposal in unlined landfills as of March 15, 1985. Subsequently, as there are no adequate landfills in the County, an agreement has been reached between Burlington County and the Mount Holly Sewerage Authority in which the latter would act as the lead agency to dispose of the County's septage on an interim basis. However, the Authority's facility is not designed to accept septage and the septage management plan concluded that treatment plant modifications are necessary.

Since there are no adequate means of septage disposal in the County, initial investigations indicate that septage is being dumped illegally and, in all likelihood, is resulting in localized surface and ground water degradation.

Project Description

The proposed project will treat and dispose of all the septage generated in the County on a short term basis at relatively minor costs. The county-wide sludge/septage study (C340818-01) will plan for septage disposal on a long-term basis. The latter study may conclude that the Authority should dispose of septage also for the long-term. The plans and specifications recently submitted will provide for the following:

1. Screening and Grit Removal Equipment
2. Comminutor
3. Aerated Holding Tanks
4. Chlorination Equipment
5. Pumps
6. Odor Control
7. Prefabricated Structure

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : JT MEETING-ESSEX & UNION

Project No. : 340340-03 Eligible Project Cost : \$12,096,140
 FY93 RANK : 203.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
SUBTOTAL		50

Population .33497
TOTAL POINTS 50.33497

Project Name, Number

Priority List Rank

Joint Meeting of Essex and Union Counties
340340-03
Infiltration/Inflow Correction

203

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

Project No. : 340815-02 Eligible Project Cost : \$22,384,640
 FY93 RANK : 204.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population .31635
 TOTAL POINTS 50.31635

Project Name, Number

Priority List Rank

Newark City
340815-02
Infiltration/Inflow Correction

204

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 : PARSIPPANY-TROY HILLS TWP

Project No. : 340806-03 Eligible Project Cost : \$281,421
 FY93 RANK : 205.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population .25737

TOTAL POINTS 50.25737

Project Name, Number

Priority List Rank

Parsippany-Troy Hills Twp.
340806-03
Septage Treatment/Disposal

205

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
 FY93 RANK : 206.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
SUBTOTAL		50

Population .20261
 TOTAL POINTS 50.20261

Project Name, Number

Priority List Rank

Atlantic County Utiliites Authority
340809-02
Septage Treatment/Disposal

206

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 : RAHWAY VALLEY SA

Project No. : 340547-03 Eligible Project Cost : \$5,355,675
 FY93 RANK : 207.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population .17373

TOTAL POINTS 50.17373

Project Name, Number

Priority List Rank

Rahway Valley Sewerage Authority
340547-03
Infiltration/Inflow Correction

207

County

Union

Service Area

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

Existing Population

173,729

Need for Project

To eliminate excessive infiltration and inflow and to extend the useful life of the sewer.

Project Description

RVSA operates a 35 mgd secondary sewage treatment facility with a sewer configuration 300 miles in length. The I/I report indicates that the RVSA's sewer system is susceptible to an excessive I/I of 3 mgd which may be cost-effectively removed. This will be verified in the upcoming SSES phase. An Infiltration/Inflow correction program will follow thereafter.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : GLOUCESTER COUNTY UA

Project No. : 340902-01 Eligible Project Cost : \$4,449,128
 FY93 RANK : 208.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population .15977

TOTAL POINTS 50.15977

Project Name, Number

Priority List Rank

Gloucester County UA
340902-01
Sludge Management Consolidated Region

208

County

Gloucester

Service Area

Clayton Borough, Deptford Twp., Glassboro Borough, Mantua Twp., Monroe Twp., National Park Borough, Paulsboro Borough, Washington Twp., Wenonah Borough, W. Deptford Twp., Westville Borough, Woodbury City, and Woodbury Hts Borough

Existing Population

159,777

Need for Project

The Gloucester County Utilities Authority (GCUA) is presently disposing of sludge by incineration. The design capacity of the GCUA incinerator is inadequate to handle the 15 tons of sludge (dry weight basis) produced at the GCUA Regional Plant. As a result, the Authority proposes to add another fluidized bed to the existing incinerator in order to increase its design capacity.

The approved (201) Facilities Plan for the GCUA consolidated region calls for static pile composing as a long term sludge management alternative. Therefore, the Authority may be required to amend the facilities plan, should they intend to employ incineration as the most cost effective, environmentally sound and implementable long term sludge management alternative.

Project Description

The project will consist of the addition of a fluidized bed to the existing incinerator of the GCUA Regional Plant for disposal of all the sludges produced in the GCUA-consolidated region.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : PATERSON CITY

Project No. : 340850-01 Eligible Project Cost : \$22,195,450
 FY93 RANK : 209.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population .13945
 TOTAL POINTS 50.13945

Project Name, Number

Priority List Rank

Paterson City
340850-01
Infiltration/Inflow Correction

209

County

Passaic

Service Area

City of Paterson

Existing Population

139,453

Need for Project

A sewer system evaluation survey recently performed by Elson T. Killam Associates for the Passaic Valley Sewerage Commissioners' service area found excessive infiltration/inflow (I/I) in this municipality's sewer system.

Project Description

An Infiltration/Inflow correction program, which will consist of grouting slip lining, and repairing/replacing structurally damaged pipes and manholes will be undertaken to remove the identified excessive I/I.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : SOMERSET-RARITAN VALLEY SA

Project No. : 340801-03 Eligible Project Cost : \$1,257,640
 FY93 RANK : 210.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population .13836
 TOTAL POINTS 50.13836

Project Name, Number

Priority List Rank

Somerset-Raritan Valley Sewerage Authority
340801-03
Septage Treatment and Disposal

210

County

Somerset

Service Area

Bedminster Township, Bernards Township, Bernardsville Borough, Branchburg Township, Bridgewater Township, Far Hills Borough, Hillsborough Township, Manville Borough, Millstone Borough, Montgomery Township, Peapack Gladstone Borough, Raritan Borough, Rocky Hill Borough, Somerville Borough, Warren Township

Existing Population

138,363

Need for Project

Disposing of septage in unlined landfills was banned on March 15, 1985 pursuant to amendments of the Solid Waste Management Act to prevent the danger of groundwater contamination. An alternative disposal method is the utilization of existing treatment facilities. Therefore, the municipalities indicated above have been assigned to the Somerset-Raritan Valley SA treatment plant as designated in Appendix A of the Statewide Septage Management Plan. The present facilities at SRVSA for handling septage wastes are inadequate to handle the quantity and quality of wastes proposed to be accepted. This project is necessary to ensure that septage disposal for existing and future development is in conformance with said plan.

Project Description

This project is for the construction of septage facilities at the SRVSA plant so that it may dispose of the septage generated in Somerset County. The septage management plan recommends that the design capacity of the septage receiving station at the SRVSA plant be 28,000 gallons per day. In addition, the plan is addressing management and implementation considerations. The septage plan will provide SRVSA with a septage treatment and disposal method that will enable the Authority to accept all the wastes from its designated areas while also meeting its discharge requirements.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : NUTLEY TOWNSHIP

Project No. : 340834-01 Eligible Project Cost : \$1,781,787
 FY93 RANK : 211.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population .10568
 TOTAL POINTS 50.10568

Project Name, Number

Priority List Rank

Nutley Township
340834-01
Infiltration/Inflow Correction - Overflow

211

County

Essex

Service Area

Nutley Township (partial), City of Clifton (partial)

Existing Population

105,679

Need for Project

The deteriorated condition of the Quarry Trunk sewer has resulted in heavy infiltration into the sewer with periodic backups occurring in area homes and streets.

Project Description

A relief sewer will be constructed in the area of the Quarry Trunk sewer at a cost of \$1.4 million. This relief sewer will carry excess flows during wet weather and will prevent sewage overflows.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : ELIZABETH CITY

Project No. : 340942-01 Eligible Project Cost : \$6,918,000
 FY93 RANK : 212.0
 County : UNION Total State Amount : \$6,918,000

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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population .10500
 TOTAL POINTS 50.10500

Project Name, Number

Priority List Rank

Elizabeth City
340942-01
Infiltration/Inflow Correction

212

County

Union

Service Area

City of Elizabeth

Existing Population

105,000

Need for Project

Based on water records, it is estimated that 50% or more of the base flow may be infiltration. About 90% of 133 total miles of the City's sewer system are between 50-100 years old. Additional studies will be required to further define the quantity of excessive infiltration to be removed.

Project Description

The proposed project involves infiltration/inflow correction of the existing sewer system. The project involves cleaning, video inspection and pressure testing. In addition, in such areas where sewers are found to be structurally unsound during the inspection, they are to be repaired by Insituform lining or similar means, or replaced if beyond repair.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : ROCKAWAY VALLEY REG SA

Project No. : 340756-02 Eligible Project Cost : \$5,351,865
 FY93 RANK : 213.0
 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
CSD Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population .09218
 TOTAL POINTS 50.09218

Project Name, Number

Priority List Rank

Rockaway Valley Regional Sewerage Authority
340756-02
Infiltration/Inflow Correction

213

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
 FY93 RANK : 214.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population .09171
 TOTAL POINTS 50.09171

Project Name, Number

Priority List Rank

Northwest Bergen County Utilities Authority
340700-06
Infiltration/Inflow Correction

214

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

Project No. : 340843-01	Eligible Project Cost	:	\$2,031,503
FY93 RANK : 215.0			
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
CSD Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population	.07758
TOTAL POINTS	50.07758

Project Name, Number

Priority List Rank

East Orange City
340843-01
Infiltration/Inflow Correction-Overflow

215

County

Essex

Service Area

City of East Orange

Existing Population

77,583

Need for Project

A sewer system evaluation survey recently performed by Elson T. Killam Associates for the Passaic Valley Sewerage Commissioners' service area found excessive infiltration/inflow (I/I) in this municipality's sewer system. Raw sewage overflows were reported to have occurred on area streets.

Project Description

An I/I correction program, which will consist of grouting, slip lining, and repairing/replacing structurally damaged pipes and manholes, will be undertaken to remove the identified excessive I/I.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : CLIFTON CITY

Project No. : 340844-01 Eligible Project Cost : \$11,666,197
 FY93 RANK : 216.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population .07652

TOTAL POINTS 50.07652

Project Name, Number

Priority List Rank

Clifton City
340844-01
Infiltration/Inflow Correction - Overflow

216

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

Project No. : 340433-04 Eligible Project Cost : \$973,112
 FY93 RANK : 217.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population .06983
 TOTAL POINTS 50.06983

Project Name, Number

Priority List Rank

Woodbridge Township
340433-04
Infiltration/Inflow Correction

217

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
 FY93 RANK : 218.0
 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
		0
	SUBTOTAL	0

B. Existing Water Quality

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

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
Primary Discharge	500	0
I/I Correction-Overflow	250	0
CSD Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
		50
	SUBTOTAL	50

Population .06345

TOTAL POINTS 50.06345

Project Name, Number

Priority List Rank

Ewing-Lawrence Sewerage Authority
340391-05
Infiltration/Inflow Correction

218

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

Project No. : 340890-01 Eligible Project Cost : \$1,671,751
 FY93 RANK : 219.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population .06247
 TOTAL POINTS 50.06247

Project Name, Number

Priority List Rank

Irvington Town
340890-01
I/I - Rehabilitation and Sanitary
Sewer Improvement

219

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 : PLAINFIELD, N. PLAINFIELD, DUNELLEN JM

Project No. : 340949-01 Eligible Project Cost : \$1,264,050
 FY93 RANK : 220.0
 County : MIDDLESEX Total State Amount : \$1,264,050

I. SEGMENT POINTS

A. Existing Water Conditions

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

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population .06000
 TOTAL POINTS 50.06000

Project Name, Number

Priority List Rank

Joint Meeting of Plainfield, North
Plainfield and Dunellen
340949-01
Interceptor

220

County

Middlesex, Somerset, Union

Service Area

City of Plainfield, Township of Scotch Plains, Borough of South
Plainfield, Borough of Watchung and Borough of Fanwood

Existing Population

60,000

Need for Project

The interceptor segment has experienced occasional surcharging and overflows which have caused a sewer connection ban to be imposed upon the service area. The project will alleviate the surcharging interceptor.

Project Description

The existing 42 inch diameter interceptor segment (approximately 2,600 linear feet) will be paralalled by a new 42 inch diameter segment. Both pipelines will remain in operation to provide the required capacity.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : SALEM COUNTY BD OF CHOSEN FREEHOLDERS

Project No. : 340804-03 Eligible Project Cost : \$6,158,049
 FY93 RANK : 221.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population .05688
 TOTAL POINTS 50.05688

Project Name, Number

Priority List Rank

Salem County Board of Chosen Freeholders
340804-03
Septage Treatment and Disposal
Small Alternative Wastewater System

221

County

Salem

Service Area

Allowlay Township, Carney's Point Township, Elmer Borough, Elsinboro Township, Lower Alloways Creek Township, Mannington Township, Oldmans Township, Pennsville Township, Pilesgrove Township, Pittsgrove Township, Quinton Township, Salem City, Upper Pittsgrove Township

Existing Population

56,884

Need for Project

Approximately 30 percent of County residents employ on-lot individual septic systems to treat their wastewater. Currently, numerous problems exist with these systems as a result of their installation in inappropriate soils and due to inadequate design. This situation leads to nuisance conditions, possibility of public health problems, and localized groundwater quality degradation.

The problems in Salem County are further aggravated by the lack of adequate facilities to accept and properly dispose of septage pumpouts. The State of New Jersey mandated that septage be banned from all but lined landfills with leachate control effective March 15, 1985. There are no such facilities in the planning area. It is presumed that a good deal of illegal septage dumping is occurring in the County and that surface and groundwater quality degradation may result.

Project Description

The planning for this project is to provide two basic responses to the problem outlined above. The first response is to plan for the adequate treatment and disposal for all the septage generated within the County. The second is to develop an overall management system of the County where on-lot systems currently exist. These solutions would involve the application and innovation of advanced technologies to resolve these problems. The facilities plan will consist of the following components:

1. County-wide Septage Disposal Plan
2. On-lot Septic Tank Management Plan
3. Environmental Analysis
4. Full-scale Public Participation Program.

Implementation of the selected plan will resolve the problem indicated above in a cost-effective, environmentally sound manner.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : PASSAIC CITY

Project No. : 340845-01 Eligible Project Cost : \$4,284,713

FY93 RANK : 222.0

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
CSD Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population .05396

TOTAL POINTS 50.05396

Project Name, Number

Priority List Rank

Passaic City
340845-01
Infiltration/Inflow Correction-Overflow

222

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 : NORTHWEST BERGEN CO UA

Project No. : 340700-05 Eligible Project Cost : \$2,020,483
 FY93 RANK : 223.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population .05055
 TOTAL POINTS 50.05055

Project Name, Number

Priority List Rank

Northwest Bergen County Utilities Authority
340700-05
Septage Disposal Facility

223

County

Bergen

Service Area

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

Existing Population

50,548 (unsewered)

Need for Project

Although the unsewered areas are included in the Planning Area for Northwest Bergen County Utilities Authority, there is presently no formal provision to treat septage from these areas. Septage from NWBCUA is presently being taken by informal agreement to Bergen County Utilities Authority treatment plant. The distance to this facility creates a climate for illegal dumping. The lack of a long term formal arrangement with Bergen County is unacceptable, and the lack of quality assurance is unacceptable.

Project Description

This project will provide for the construction of septage handling facilities to receive all septage generated within the planning area for treatment at the Northwest Bergen treatment plant. The septage facilities will provide for quality assurance to prevent treatment plant upset, and will provide odor control. The construction of septage facilities in conjunction with the initiation of a voucher system for tracking septage from "cradle to grave" will assure control, collection, disposal, and treatment of septage wastes from approximately 50,000 people in the planning area, thereby eliminating present unacceptable trucking and disposal of septage.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : WAYNE TOWNSHIP

Project No. : 340393-07 Eligible Project Cost : \$1,947,000
 FY93 RANK : 224.0
 County : PASSAIC Total State Amount : \$1,947,000

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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population .04955
 TOTAL POINTS 50.04955

Project Name, Number

Priority List Rank

Wayne Township
340393-07
Infiltration/Inflow Correction

224

County

Passaic

Service Area

Township of Wayne

Existing Population

49,549

Need for Project

This project is for the minor rehabilitation of the Township's existing sewer system. A sewer system evaluation survey concluded that approximately 1.5 million gallons per day (MGD) of excessive Infiltration/Inflow could be removed from the system cost-effectively. This project would ensure the removal of the 1.5 MGD by the accomplishment of this rehabilitation work.

Project Description

The proposed Phase I project (C340393-06) is to rehabilitate portions of the existing sewer system in the area of Pines Lake and Packanack Lake. The work for Phase I includes inversion lining of 3,160 linear feet (LF) of sewer pipe, replacement of approximately 5,130 LF of sewer pipe, grouting and air testing, and rehabilitation of 11 manholes. Phase II investigations (C340393-07) will be required to eliminate all excessive infiltration/inflow for other portions of the existing sewer system.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : NEPTUNE TWP SA

Project No. : 340410-04 Eligible Project Cost : \$4,028,802
 FY93 RANK : 225.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population .04391
 TOTAL POINTS 50.04391

Project Name, Number

Priority List Rank

Neptune Township Sewerage Authority
340410-04
Infiltration/Inflow Correction

225

County

Monmouth

Service Area

Neptune Township, Avon-By-The-Sea Borough, Bradley Beach Borough,
Ocean Grove Camp Meeting Association

Existing Population

43,907

Need for Project

The infiltration/inflow analysis has found that the system is subject to excessive infiltration/inflow (I/I).

Project Description

The project will consist of an I/I correction program that is found to be cost-effective during the Sewer System Evaluation Survey. Common methods of rehabilitation are 1) grouting of joints and cracked pipes; 2) slip-lining of select reaches of sewer; and 3) total replacement of select reaches of sewer. The proposed I/I correction project will not have an appreciable effect on the treatment plant's ability to meet the established effluent limitations.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : WEST ORANGE TOWNSHIP

Project No. : 340865-01 Eligible Project Cost : \$11,555,263
 FY93 RANK : 226.0
 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
CSD Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population .04082
 TOTAL POINTS 50.04082

Project Name, Number

Priority List Rank

West Orange Township
340865-01
Interceptors and Appurtenances

226

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

Project No. : 340437-03 Eligible Project Cost : \$2,303,729
 FY93 RANK : 227.0
 County : MIDDLESEX Total State Amount : \$2,303,729

I. SEGMENT POINTS

A. Existing Water Conditions

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

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population .03986
 TOTAL POINTS 50.03986

Project Name, Number

Priority List Rank

New Brunswick City
340437-03
Interceptor and Appurtenances

227

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
 FY93 RANK. : 228.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population .03900
 TOTAL POINTS 50.03900

Project Name, Number

Priority List Rank

Manasquan River Regional Sewerage
Authority
340832-02

228

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 : MONTCLAIR TOWN

Project No. : 340837-01 Eligible Project Cost : \$1,578,923
 FY93 RANK : 229.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population .03870
 TOTAL POINTS 50.03870

Project Name, Number

Priority List Rank

Montclair Town
340837-01
Infiltration/Inflow Correction

229

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
 FY93 RANK : 230.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population .03622
 TOTAL POINTS 50.03622

Project Name, Number

Priority List Rank

Atlantic County Utilities Authority
340344-03
Infiltration/Inflow Correction

230

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

Project No. : 340853-01	Eligible Project Cost	:	\$553,324
FY93 RANK : 231.0			
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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population	.03262
TOTAL POINTS	50.03262

Project Name, Number

Priority List Rank

Fort Lee Borough
340853-01
Infiltration/Inflow Correction

231

County

Bergen

Service Area

Borough of Fort Lee

Existing Population

32,616

Need for Project

The Bergen County Utilities Authority Infiltration/Inflow (I/I) Analysis and Sewer System Evaluation survey identified excessive I/I in this municipality's sewer system.

Project Description

The excessive I/I will be removed by grouting, slip lining, and other minor rehabilitation methods.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : ORANGE CITY

Project No. : 340859-01 Eligible Project Cost : \$2,398,666
 FY93 RANK : 232.0
 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
CSD Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population .03173
 TOTAL POINTS 50.03173

Project Name, Number

Priority List Rank

Orange City
340859-01
Infiltration/Inflow Correction-Overflow

232

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 : PEQUANNOCK RIVER BASIN RSA

Project No. : 340779-02 Eligible Project Cost : \$1,471,988
 FY93 RANK : 233.0
 County : PASSAIC Total State Amount : \$1,471,988

I. SEGMENT POINTS

A. Existing Water Conditions

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

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population .02624
 TOTAL POINTS 50.02624

Project Name, Number

Priority List Rank

Pequannock River Basin Regional S.A.
340779-02

233

Infiltration/Inflow Correction, Collection System

County

Morris/Passaic

Service Area

Butler, Bloomingdale, Kinnelon

Existing Population

26,235

Need for Project

An Infiltration/Inflow analysis and sewer system evaluation survey have concluded that excessive I/I exists within the regional sewer system. The "Regional Interceptor Improvement" project proposes the construction of new interceptors and the major rehabilitation of the existing sewer system.

Project Description

The proposed project involves paralleling or replacing an estimated 4930 linear feet of 12, 15, 18 and 24-inch diameter existing interceptor sewers; the rehabilitation (cleaning and grouting) of an estimated 4900 linear feet of existing 8-inch sewers; and the construction of a 400 linear foot interceptor sewer extension to extend regional service to Kinnelon.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : WINSLOW TWP

Project No. : 340895-01 Eligible Project Cost : \$530,170
 FY93 RANK : 234.0
 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
CSD Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population .02527
 TOTAL POINTS 50.02527

Project Name, Number

Priority List Rank

Winslow Township
340895-01
Infiltration/Inflow Correction

234

County

Camden

Service Area

Winslow Township

Existing Population

25,277

Need for Project

The existing collection system in the Township of Winslow is possibly subject to excessive Infiltration/Inflow (I/I).

Project Description

The project consists of the rehabilitation of the sewer system.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : BERGEN COUNTY UA (TRIBORO)

Project No. : 340769-02	Eligible Project Cost	:	\$1,383,599
FY93 RANK : 235.0			
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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population	.02509
TOTAL POINTS	50.02509

Project Name, Number

Priority List Rank

BCUA (Triboro)
(Rutherford/E, Rutherford/Carlstadt)
340769-02
Infiltration/Inflow Correction-Overflow

235

County

Bergen

Service Area

Borough of Carlstadt and portions of Rutherford and East Rutherford

Existing Population

25,092

Need for Project

The Bergen County Utilities Authority conducted an Infiltration/Inflow (I/I) analysis and sewer system evaluation survey which concluded that excessive I/I existed in the sewer system. The correction of this I/I will be cost-effective and result in the improved operation of a 13.8 MGD pump station used for the conveyance of sewage from the Joint Meeting STP to the Bergen County Utilities Authority system. Water Quality violations are currently experienced for dissolved oxygen, fecal coliform, and toxics standards due to the raw discharges of the existing Triboro Joint Meeting Treatment plant into the 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

Project No. : 340639-07 Eligible Project Cost : \$5,110,634
 FY93 RANK : 236.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population .02486
 TOTAL POINTS 50.02486

Project Name, Number

Priority List Rank

Ridgewood Village
340639-07
Infiltration/Inflow Correction

236

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

Project No. : 340858-01 Eligible Project Cost : \$555,110
 FY93 RANK : 237.0
 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
CSD Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population .02408
 TOTAL POINTS 50.02408

Project Name, Number

Priority List Rank

Cranford Township
340858-01
Infiltration/Inflow Correction

237

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
 FY93 RANK : 238.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population .02377
 TOTAL POINTS 50.02377

Project Name, Number

Priority List Rank

Madison-Chatham Joint Meeting
340715-03
Infiltration/Inflow Correction

238

County

Morris

Service Area

Borough of Chatham, Borough of Madison

Existing Population

23,766

Need for Project

An Infiltration/Inflow (I/I) analysis has been completed which documents the existence of excessive I/I within the service area. Additional studies are under way to further define the quantity of excessive I/I and to propose an I/I correction program to mitigate hydraulic overloading of the plant during severe storms.

Project Description

This proposed project will consist of an I/I correction program to remove a portion of the excessive I/I. This will include replacement of sections of sanitary sewer pipe, grouting of sewer lines, grouting and sealing leaking manholes and repair of and adjustments to defective manholes.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : SOUTH BRUNSWICK TOWNSHIP

Project No. : 340866-01	Eligible Project Cost	: \$326,690
FY93 RANK : 239.0		
County : MIDDLESEX	Total State Amount	: \$326,690

I. SEGMENT POINTS

A. Existing Water Conditions

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

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	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
CSD Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population	.02236
TOTAL POINTS	50.02236

Project Name, Number

Priority List Rank

South Brunswick Township
340866-01

239

Infiltration/Inflow Correction

County

Middlesex

Service Area

South Brunswick Township (Kendall Park)

Existing Population

22,356

Need for Project

The Township has had an ongoing I/I program since 1990. Sewer lines have been televised and problem areas recorded. Small problems have been corrected, but, certain areas require lining or replacement of existing lines.

Project Description

The project involves the lining or replacement of existing sewer lines on an "as needed" basis to reduce I/I in the system.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : EDGEWATER BOROUGH

Project No. : 340443-05 Eligible Project Cost : \$2,353,015
 FY93 RANK : 240.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population .02138
 TOTAL POINTS 50.02138

Project Name, Number

Priority List Rank

Edgewater Borough
340443-05
Infiltration/Inflow Correction

240

County

Bergen

Service Area

Edgewater, Cliffside Park (portion), Fort Lee (portion)

Existing Population

21,382

Need for Project

To eliminate the excessive infiltration and inflow to extend the useful life of the sewer.

Project Description

There are approximately 25 miles of existing sewers in the Borough. The Edgewater STP presently has an influent rate of 3.3 mgd, of which 0.37 mgd has been identified as possibly being excessive. The sewer system evaluation survey program is currently in the process of identifying and verifying those areas which are susceptible to the excessive I/I. I/I correction as determined to be cost effective will follow.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : HILLSIDE TOWNSHIP

Project No. : 340906-03 Eligible Project Cost : \$834,454
 FY93 RANK : 241.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
SUBTOTAL		50

Population .02137
TOTAL POINTS 50.02137

Project Name, Number

Priority List Rank

Hillside Township
340906-03
I/I Rehabilitation and Sewer
Pump Station

241

County

Union

Service Area

Township of Hillside

Existing Population

21,374

Need for Project

The existing collection system serving the Township is very old, and is subject to an extreme amount of I/I. Rehabilitation of the entire sanitary sewer system is necessary to remove 650,000 gpd of I/I to prevent overflows from the existing collection system and back-ups into residential and industrial establishments.

Project Description

This proposed project will be for an I/I correction program to eliminate the portion of I/I that is excessive and detrimental to the existing collection system. In some cases minor replacement may be necessary. Also proposed is the major rehabilitation of an existing sewage pumping station.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : SOUTH PLAINFIELD BOROUGH

Project No. : 340950-01 Eligible Project Cost : \$9,294,000
 FY93 RANK : 242.0
 County : MIDDLESEX Total State Amount : \$9,294,000

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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population .02050
 TOTAL POINTS 50.02050

Project Name, Number

Priority List Rank

South Plainfield Borough
340950-01
Pumping Station

242

County

Middlesex

Service Area

Borough of South Plainfield

Existing Population

20,500

Need for Project

The Borough of South Plainfield is currently a direct customer of the Middlesex County Utilities Authority. The Borough is also a user of the sanitary sewer conveyance facilities of the City of South Plainfield and Plainfield Joint Meeting. The Borough is reportedly exceeding the contractual limitations within the conveyance facilities of the City of Plainfield and Plainfield Joint Meeting, which extend through the Borough of South Plainfield and also connect into the regional facilities of the Middlesex County Utilities Authority. The current facilities of the City of Plainfield and the Plainfield Joint Meeting are not capable of conveying the present and anticipated flows in the system service area, including the Borough of South Plainfield. As a result, a major project is necessary in order to relieve the current contractual and hydraulic limitations within the regional facilities. The Borough of South Plainfield is a major user of the facilities owned and operated by the City of Plainfield and Plainfield Joint Meeting. A diversion of a major portion of flow presently existing within the Borough of South Plainfield and conveyed through the City of Plainfield and Plainfield Joint Meeting system will relieve the contractual and hydraulic problems within the regional facilities, allow the sewer moratorium and sewer ban to be lifted within the Borough of South Plainfield and others utilizing the regional facilities and also provide a cost effective project for the Borough to provide current and future wastewater conveyance facilities.

Project Description

The project proposed by the Borough of South Plainfield involves a major pumping station and force main. The capacity of the pumping station will be approximately 8 MGD. An approximate 24-inch diameter force main will extend approximately 5.5 miles from the Borough of South Plainfield directly to the Middlesex County Utilities Authority System. Metering facilities will be provided and internal collection sewer diversions will be involved in the project for the transfer of flow from the current system to the proposed pumping station and force main.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : WEST DEPTFORD TOWNSHIP

Project No. : 340947-01 Eligible Project Cost : \$2,568,474
 FY93 RANK : 243.0
 County : GLOUCESTER Total State Amount : \$2,568,474

I. SEGMENT POINTS

A. Existing Water Conditions

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

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population .01938
 TOTAL POINTS 50.01938

Project Name, Number

Priority List Rank

West Deptford Township
340947-01
I/I Correction

243

County

Gloucester

Service Area

Greenfield and Greenfield Heights

Existing Population

19,380

Need for Project

The project is required due to hydraulic and structural deficiencies of the existing system. Review of precipitation vs. flow rate indicates excessive infiltration. Videotaping of the sewer system indicated infiltration, exfiltration and structural deficiencies. The existing system was installed in the mid 1950s and is severely deficient.

Project Description

The proposed project includes the redesign and replacement of existing terra cotta and vitri clay pipe with PVC. The new system will be designed and installed in accordance with current regulations. The project includes sewer replacement only as no new sewers or service areas are proposed.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : CARTERET BOROUGH

Project No. : 340939-01 Eligible Project Cost : \$2,447,400
 FY93 RANK : 244.0
 County : MIDDLESEX Total State Amount : \$2,447,400

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	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	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
CSD Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population .01927
 TOTAL POINTS 50.01927

Project Name, Number

Priority List Rank

Carteret Borough
340939-01
I/I Correction

244

County

Middlesex

Service Area

Borough of Carteret

Existing Population

19,269

Need for Project

Having an old sewer system, the rate of infiltration/inflow (I/I) during storm events in Carteret is very high. Carteret's main pumping station receives flow far greater than its pumping capacity at such times. This project will relieve the load on the pumping station and ultimately on the Middlesex County Utilities Authority treatment plant.

In general, the structural integrity of the existing 5 pumping stations, sewer lines and manholes is in question. They need to be replaced, upgraded and/or rehabilitated. At some locations sewer lines need to be upsized to eliminate hydraulic overloading and overflows from manholes during peak flows.

Project Description

The proposed project includes an I/I correction program consisting of grouting, lining, and repairing/replacing structurally damaged pipes and manholes. In addition, 5 pumping stations will be upgraded and an interceptor may be increased in size.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : BRIDGETON CITY

Project No. : 340829-01 Eligible Project Cost : \$375,194
 FY93 RANK : 245.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population .01876
 TOTAL POINTS 50.01876

Project Name, Number

Priority List Rank

Bridgeton City
340829-01
Infiltration/Inflow Correction

245

County

Cumberland

Service Area

City of Bridgeton

Existing Population

18,757

Need for Project

The infiltration/inflow analysis, dated August 1974, indicated existence of excessive infiltration/inflow in the City of Bridgeton collection system. Subsequently, a Sewer System Evaluation Survey was conducted. The result of this Survey indicates that a combined total of 267,440 gpd of infiltration/inflow can be cost-effectively removed through rehabilitation of the collection system.

Project Description

The project consists of chemical sealing, excavation, minor rehabilitation of 11,600 feet of 8 inch, vitrified clay pipe. In addition, 19 manholes will be either chemically sealed, raised to grade or require grouting under the frame, and 14 roof leaders require disconnection.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : ELMWOOD PARK BOROUGH

Project No. : 340863-01	Eligible Project Cost	:	\$798,277
FY93 RANK : 246.0			
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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population .01800

TOTAL POINTS 50.01800

Project Name, Number

Priority List Rank

Elmwood Park Borough
340863-01
Infiltration/Inflow Correction

246

County

Bergen

Service Area

Borough of Elmwood Park

Existing Population

18,000

Need for Project

A sewer system evaluation survey recently performed by Elson T. Killam Associates for the Passaic Valley Sewerage Commissioners' service area found excessive infiltration/inflow (I/I) in this municipality's sewer system.

Project Description

An I/I correction program, which will consist of grouting, slip lining, and repairing/replacing structurally damaged pipes and manholes will be undertaken to remove the identified excessive I/I.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : DUMONT BOROUGH

Project No. : 340922-01 Eligible Project Cost : \$3,148,189
 FY93 RANK : 247.0
 County : BERGEN Total State Amount : \$3,148,189

I. SEGMENT POINTS

A. Existing Water Conditions

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

B. Existing Water Quality

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

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
Primary Discharge	500	0
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population .01771
 TOTAL POINTS 50.01771

Project Name, Number

Priority List Rank

Dumont Borough
340922-01
I/I Correction

247

County

Bergen

Service Area

Dumont

Existing Population

17,708

Need for Project

The existing Sanitary Sewer System serves the Borough of Dumont and is approximately 65 years old. Treatment of the wastewater collected is provided by the Bergen County Utilities Authority at the Little Ferry Treatment Plant. Field investigations and existing records available at the Department of Public Works of the Borough of Dumont reveal that the condition of the sanitary sewer system is substandard. There are many sections of this mostly clay pipe system that have been troublesome, resulting in frequent blockages and requiring significant efforts and time by the Department of Public Works to clear the lines. These blockages and problems are caused mainly by undersized piping, cracking of pipes, root intrusion, offset joints and inadequate slopes.

The purpose of the program to rehabilitate the Sanitary Sewer System is to correct these problem areas and also to decrease the amount of infiltration into the system.

Project Description

The areas of the system requiring rehabilitation were selected based on the problems incurred as recorded in the Department of Public Works files and past field investigations.

The proposed scope of work will be carried out in four (4) phases over a 4-year period. The first phase will cover the southwest quadrant of the Borough where the system connects up with Bergen County Utilities Authority's System; the second phase will cover the northwest quadrant; the third phase, the southwest quadrant; and the fourth and final phase, the northeast quadrant.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : STONY BROOK REGIONAL SA

Project No. : 340400-03	Eligible Project Cost	:	\$475,969
FY93 RANK : 248.0			
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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population	.01712
TOTAL POINTS	50.01712

Project Name, Number

Priority List Rank

Stony Brook Regional Sewerage Authority
340400-03
Infiltration/Inflow Correction

248

County

Mercer

Service Area

Township of South Brunswick

Existing Population

17,127

Need for Project

The collection system has been studied to identify extraneous infiltration and inflow sources. These sources raise the flow to the Stony Brook STP, but cause no operational or transmission problems other than those associated with a weak influent.

Project Description

This project would provide cost-effective removal of I/I in the South Brunswick collection system. Sections would be repaired, replaced or relined. Also, manholes are to be grouted and manhole covers replaced with gasket covers.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : ASBURY PARK CITY

Project No. : 340884-01 Eligible Project Cost : \$1,818,150
 FY93 RANK : 249.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population .01701
 TOTAL POINTS 50.01701

Project Name, Number

Priority List Rank

Asbury Park City
340884-01

249

Sewer System Rehabilitation

County

Monmouth

Service Area

Asbury Park City

Existing Population

17,010

Need for Project

The existing collection system consists of vitrified clay pipes with leaky joints. A large portion of the piping may be cracked, leading to infiltration.

Project Description

The project consists of replacement of a major portion of the collection system.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : OLD BRIDGE MUA

Project No. : 340945-02 Eligible Project Cost : \$6,532,700
 FY93 RANK : 250.0
 County : MIDDLESEX Total State Amount : \$6,532,700

I. SEGMENT POINTS

A. Existing Water Conditions

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

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	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
CSD Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population .01680

TOTAL POINTS 50.01680

Project Name, Number

Priority List Rank

Old Bridge Municipal Utilities Authority 250
340945-02
I/I Correction

County

Middlesex

Service Area

Old Bridge Township; Lawrence Harbor Drainage Basin and the Southwood Development

Existing Population

16,800

Need for Project

The project need is due to excessive infiltration of groundwater into the Lawrence Harbor trunk sewer pipe and root intrusion in the Southwood Development sewer pipe.

Project Description

The proposed project is for the rehabilitation of the Lawrence Harbor trunk sewer and Southwood Development sewer pipe.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : MORRISTOWN TOWN

Project No. : 340376-04 Eligible Project Cost : \$8,306,300
 FY93 RANK : 251.0
 County : MORRIS Total State Amount : \$8,306,300

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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population .01679
 TOTAL POINTS 50.01679

Project Name, Number

Priority List Rank

Morristown Town
340376-04
Infiltration/Inflow Correction

251

County

Morris

Service Area

Town of Morristown

Existing Population

16,790

Need for Project

An Infiltration/Inflow (I/I) analysis has concluded that excessive I/I exists within the town's sewer system. Additional studies are underway to further define the quantity of excessive I/I and to propose an I/I correction program to eliminate a portion of the excessive I/I.

Project Description

This proposed project will be for the minor rehabilitation of sections of sanitary sewer pipe, grouting of sewer lines, grouting and sealing leaking manholes and repair or adjustments of defective manholes.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : CAMDEN COUNTY MUA

Project No. : 340640-05 Eligible Project Cost : \$4,257,218
 FY93 RANK : 252.0
 County : CAMDEN Total State Amount : \$4,257,218

I. SEGMENT POINTS

A. Existing Water Conditions

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

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population .01640

TOTAL POINTS 50.01640

Project Name, Number

Priority List Rank

Camden County MUA
340640-05
STP Expansion

252

County

Camden

Service Area

Sicklerville Section of Winslow Township

Existing Population

16,400

Need for Project

Increased development pressures have necessitated an expansion of the existing secondary Winslow Township STP from 1.65 MGD to 2.2 MGD. This expansion would accommodate the sewage treatment needs of the anticipated 20 year population of the area, including new development and existing facilities currently utilizing septic systems.

<u>STP (level of treatment)</u>	<u>Flow (mgd)</u>		<u>Effluent</u>	
	<u>Design</u>	<u>Present</u>	<u>BOD Reported</u> % - mg/l	<u>SS Reported</u> % - mg/l
Winslow Township (NJ0061760)	1.65	1.30	99.1 - 1.9	99.1 - 0.4

Project Description

The proposed project consists of an expansion of the existing Winslow Township sewage treatment plant from 1.65 MGD to 2.2 MGD. It is currently envisioned that the plant will continue to use existing treatment processes and units. The expansion will consist of the addition of an identical treatment train, including an additional oxidation ditch, clarifier, filtration/polishing facilities and chlorination facilities, to achieve treatment for the additional capacity. In addition, the existing effluent pumping system and conveyance facilities must be upgraded to transport the additional flow to the off-site rapid infiltration basins. Finally, additional rapid infiltration basins will be needed to accommodate the proposed additional flow.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : PHILLIPSBURG TOWN

Project No. : 340874-03	Eligible Project Cost	:	\$574,035
FY93 RANK : 253.0			
County : WARREN	Total State Amount	:	\$574,035

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
CSD Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population .01599

TOTAL POINTS 50.01599

Project Name, Number

Priority List Rank

Phillipsburg Town
340874-03
Pumping Station Rehabilitation

253

County

Warren

Service Area

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

Existing Population

15,992

Need for Project

Much of the Town of Phillipsburg's collection system has been rehabilitated under loan project numbers S340874-01 and S340874-02. Three pumping stations, however, remain to be addressed. The Market and Mercer Street pumping stations are outdated and are inadequate for present needs. The Riverside Way Pumping Station presently lacks an emergency power source.

Project Description

An emergency generator will be installed to service the Riverside Way Pumping Station. The Market and Mercer Street pumping stations will be studied to determine whether rehabilitation or replacement is cost effective. As a result, the appropriate corrective measures will be developed and enacted.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : OCEAN CITY

Project No. : 340730-01 Eligible Project Cost : \$47,307
 FY93 RANK : 254.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population .01549

TOTAL POINTS 50.01549

Project Name, Number

Priority List Rank

Ocean City
340730-01
Infiltration/Inflow Correction

254

County

Cape May

Service Area

Ocean City

Existing Population

15,494
36,500 (Summer Peak)

Need for Project

The infiltration/inflow analysis has found that the system is subject to possible excessive infiltration/inflow (I/I).

Project Description

The rehabilitation of Ocean City's sanitary sewer system includes the sealing, repair, or replacement of defective pipes, manholes and lateral connections.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : WARREN CO LOPAT SA

Project No. : 340580-04 Eligible Project Cost : \$2,170,276
 FY93 RANK : 255.0
 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
		0
	SUBTOTAL	0

B. Existing Water Quality

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

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
Primary Discharge	500	0
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
		50
	SUBTOTAL	50

Population .01542
 TOTAL POINTS 50.01542

Project Name, Number

Priority List Rank

Warren County - Lopatcong Creek
340580-04
Infiltration/Inflow Correction-
Overflow

255

County

Warren

Service Area

The Warren County-Lopatcong Creek Sewerage Authority is retaining a spot on the Priority List for rehabilitation of the local collection systems within their 201 Facilities Planning Area. The planning area lies in the Delaware Watershed and includes Alpha Borough and Lopatcong, Pohatcong, Harmony and Greenwich Townships.

Existing Population

15,415

Need for Project

Sanitary collection systems currently serve Alpha, Lopatcong, and Pohatcong. The existing Phillipsburg plant (NJ0024716) presently treats domestic and industrial waste from the above municipalities. Constructed in 1950 - 1951 with a design capacity of 3.5 MGD, the plant provides secondary treatment by means of an activated sludge process. Present flows average slightly over 2.1 MGD, but peak conditions can result in flows over 6.0 MGD which lead to a by-pass of the plant and direct discharge of untreated effluent into the Lopatcong Creek, FW2-TM (tributary to Delaware River). There also are known cross connection between the storm and sanitary sewerage systems. These raw discharges result in frequent violations of fecal coliform standards, and marginal degradation from nutrient and toxic impacts. An I/I analysis included in the facilities plan concluded infiltration to be non-excessive, but recommended a Sewer System Evaluation Survey (SSES @ \$26,000) to study the removal of excessive inflow and the elimination of the system by-passes.

Project Description

The proposed SSES will refine the conclusions of the I/I analysis and make recommendations for I/I correction. The project will allow for the construction and implementation of the cost effective rehabilitation measures. This will result in the abatement of the raw sewage by-pass problem presently experienced both in the collection systems and at the plant.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : BERNARDS TOWNSHIP SA

Project No. : 340382-03	Eligible Project Cost	:	\$408,308
FY93 RANK : 256.0			
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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population .01530

TOTAL POINTS 50.01530

Project Name, Number

Priority List Rank

Bernards Township
340382-03
Infiltration/Inflow Correction

256

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

Project No. : 340889-01 Eligible Project Cost : \$806,723
 FY93 RANK : 257.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population .01441
 TOTAL POINTS 50.01441

Project Name, Number

Priority List Rank

Dover Town
340889-01
Infiltration/Inflow

257

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

Project No. : 340752-01	Eligible Project Cost	:	\$190,868
FY93 RANK : 258.0			
County : ATLANTIC	Total State Amount	:	\$190,868

I. SEGMENT POINTS

A. Existing Water Conditions

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

	• SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0

	SUBTOTAL	50

Population .01437

TOTAL POINTS 50.01437

Project Name, Number

Priority List Rank

Pleasantville City
340752-01
Infiltration/Inflow Correction

258

County

Atlantic

Service Area

The service area includes the City of Pleasantville. This is a bayfront community located approximately ten miles west of the Atlantic County coastal wastewater treatment plant.

Existing Population

14,372 (Year Round)
16,500 (Summer)

Need for Project

The wastewater collection system of Pleasantville was originally constructed in 1945, with new extensions added periodically. It consists of 294,684 linear feet of terra cotta, vitrified clay and cast iron pipe. The SSES investigation determined that the system was experiencing an average of 339,120 gpd of infiltration from a total of 37,585 linear feet of pipe.

Project Description

This project entails I/I correction of the sewer system of Pleasantville City.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : VERONA BOROUGH

Project No. : 340533-04 Eligible Project Cost : \$1,268,300
 FY93 RANK : 259.0
 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
		0
	SUBTOTAL	0

B. Existing Water Quality

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

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
Primary Discharge	500	0
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
		50
	SUBTOTAL	50

Population .01415

TOTAL POINTS 50.01415

Project Name, Number

Priority List Rank

Verona Borough
340533-04
Infiltration/Inflow Correction

259

County

Essex

Service Area

Borough of Verona

Existing Population

14,153

Need for Project

An Infiltration/Inflow (I/I) analysis has concluded that the Borough's sewer system exhibits excessive I/I. Additional studies are underway to further define the quantity of excessive I/I and to propose a sewer rehabilitation program to mitigate hydraulic overloading of the plant during severe storm events which affects the performance of the treatment plant.

Project Description

This proposed project will consist of I/I correction to remove a portion of the excessive I/I. Construction of an equalization basin for storage of inflow may be necessary depending upon the conclusions of the additional on-going studies.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : SPRINGFIELD TOWNSHIP

Project No. : 340855-01 Eligible Project Cost : \$1,307,637
 FY93 RANK : 260.0
 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
CSD Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population .01409

TOTAL POINTS 50.01409

Project Name, Number

Priority List Rank

Springfield Township
340855-01

260

Infiltration/Inflow Correction

County

Union

Service Area

Township of Springfield

Existing Population

14,088

Need for Project

Recent studies have indicated the presence of excessive Infiltration/Inflow (I/I) within the Township's sewer collection system.

Project Description

Recommended is an I/I correction program consisting of minor rehabilitation measures to remove the excessive Infiltration/Inflow.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : SOUTH RIVER BOROUGH

Project No. : 340940-01 Eligible Project Cost : \$1,239,000
 FY93 RANK : 261.0
 County : MIDDLESEX Total State Amount : \$1,239,000

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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population .01325

TOTAL POINTS 50.01325

Project Name, Number

Priority List Rank

South River Borough
340940-01
Infiltration/Inflow Correction

261

County

Middlesex

Service Area

Borough of South River

Existing Population

13,248

Need for Project

The existing collection system in the Borough of South River is deteriorated and subject to excessive infiltration/inflow.

Project Description

Inspection and evaluation of the existing sewer system will be performed to determine the extent of deterioration. Restoration of the existing sewer system as required using rehabilitation techniques (replacement, slip lining, inversion lining, U liner, etc.) best suited to the conditions encountered will be conducted.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : BERKELEY HEIGHTS TOWNSHIP

Project No. : 340385-02	Eligible Project Cost	:	\$371,426
FY93 RANK : 262.0			
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
CSD Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population .01279

TOTAL POINTS 50.01279

Project Name, Number

Priority List Rank

Berkeley Heights Twp.
340385-02
Infiltration/Inflow Correction

262

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 : HIGHLAND PARK BOROUGH

Project No. : 340938-01 Eligible Project Cost : \$2,457,364
 FY93 RANK : 263.0
 County : MIDDLESEX Total State Amount : \$2,457,364

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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population .01272

TOTAL POINTS 50.01272

Project Name, Number

Priority List Rank

Highland Park Borough
340938-01
I/I Correction

263

County

Middlesex

Service Area

Highland Park

Population

12,720

Need for Project

This project is necessary to eliminate excessive infiltration/inflow (I/I) within the service area due to the rising costs of treatment for extraneous flows.

Project Description

This project will be for an I/I correction program to eliminate the excessive I/I within the service area, including sub-basin areas #55 (Cleveland Ave) and #25 (Donaldson Park).

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : MANVILLE BOROUGH

Project No. : 340578-04 Eligible Project Cost : \$3,443,221
 FY93 RANK : 264.0
 County : SOMERSET Total State Amount : \$3,443,221

I. SEGMENT POINTS

A. Existing Water Conditions

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

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population .01265

TOTAL POINTS 50.01265

Project Name, Number

Priority List Rank

Manville Borough
340578-04
Infiltration/Inflow Correction

264

County

Somerset

Service Area

Manville Borough and some portions of Hillsborough Township

Existing Population

12,654

Need for Project

The majority of the sewage collection system was installed approximately 50 years ago and is plagued with excessive infiltration and inflow. The system has been television inspected and areas requiring replacement and/or lining have been determined.

Project Description

The proposed project includes repairs to the sewage collection system and replacement and/or lining of the portions of the sewage collection system that cannot be corrected through grouting.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : CEDAR GROVE TOWNSHIP

Project No. : 340717-05	Eligible Project Cost	:	\$365,727
FY93 RANK : 265.0			
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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population .01262

TOTAL POINTS 50.01262

Project Name, Number

Priority List Rank

Cedar Grove, Township of
340717-05
Infiltration/Inflow Correction

265

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
FY93 RANK : 266.0			
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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population .01260

TOTAL POINTS 50.01260

Project Name, Number

Priority List Rank

Parsippany-Troy Hills
340766-02
Infiltration/Inflow Correction

266

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 MUA

Project No. :	340716-04	Eligible Project Cost	:	\$539,910
FY93 RANK :	267.0			
County :	PASSAIC	Total State Amount	:	\$539,910

I. SEGMENT POINTS

A. Existing Water Conditions

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

B. Existing Water Quality

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

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
Primary Discharge	500	0
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population .01222

TOTAL POINTS 50.01222

Project Name, Number

Priority List Rank

Little Falls Township
340716-04
Infiltration/Inflow Correction

267

County

Passaic

Service Area

Township of Little Falls

Existing Population

12,215

Need for Project

The Little Falls Collection System consists of approximately 120,000 linear feet of pipe in size from six to eighteen inches diameter. Eighty-nine percent of pipe is clay tile, ten percent is asbestos cement, and one percent is cast iron pipe. Interviews with the plant operator indicate that sewers in the western section of Little Falls surcharge and overflow during periods of heavy rain and high Passaic River levels. Overflows also occur at the Hopson Street Pumping Station, which receives sewage flow from the easterly section of Little Falls.

Project Description

This proposed project consists of a sewer system evaluation study utilizing manhole inspection, rainfall simulation, and T.V. inspection and the minor rehabilitation of the Township's existing sewer system to eliminate the portion of the I/I that is excessive.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : ROXBURY TWP

Project No. : 340381-05 Eligible Project Cost : \$1,152,554

FY93 RANK : 268.0

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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population .01210

TOTAL POINTS 50.01210

Project Name, Number

Priority List Rank

Roxbury Township
340381-05
Infiltration/Inflow Correction

268

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
 FY93 RANK : 270.0
 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
CSD Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population .01175

TOTAL POINTS 50.01175

Project Name, Number

Priority List Rank

Ventnor City
340667-01
Infiltration/Inflow Correction

270

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 : SOMERS POINT CITY

Project No. : 340618-01 Eligible Project Cost : \$98,171
 FY93 RANK : 271.0
 County : ATLANTIC Total State Amount : \$98,171

I. SEGMENT POINTS

A. Existing Water Conditions

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

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	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
CSD Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population .01122

TOTAL POINTS 50.01122

Project Name, Number

Priority List Rank

Somers Point City
340618-01
Infiltration/Inflow Correction

271

County

Atlantic

Service Area

Somers Point City

Existing Population

11,216 (Year Round)
13,350 (Summer)

Need for Project

Based upon existing studies, the sewer system of Somers Point City is subject to excessive infiltration/inflow (I/I).

Project Description

This project includes rehabilitation of the sewer system of Somers Point City to correct I/I problems.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : TOTOWA BOROUGH

Project No. : 340778-01	Eligible Project Cost	:	\$799,185
FY93 RANK : 272.0			
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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population .01119

TOTAL POINTS 50.01119

Project Name, Number

Priority List Rank

Totowa Borough
340778-01
Infiltration/Inflow Correction

272

County

Passaic

Service Area

Totowa Borough

Existing Population

11,192

Need for Project

The Township's sewer system contains excessive infiltration/inflow (I/I) as documented by the I/I analysis. Additional studies will estimate the quantity of I/I in the system to eliminate a portion of excessive I/I.

Project Description

This project is for the I/I correction of Totowa Borough's existing sewer system to eliminate a portion of infiltration/inflow that is excessive. The project will be for the minor rehabilitation of sections of sanitary sewer pipe including grouting, sealing, and repair of defective manholes.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : WESTWOOD BOROUGH

Project No. : 340862-01 Eligible Project Cost : \$4,185,540
 FY93 RANK : 273.0
 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
CSD Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0

	SUBTOTAL	50

Population .01092

TOTAL POINTS 50.01092

Project Name, Number

Priority List Rank

Westwood Borough
340862-01
Infiltration/Inflow Correction

273

County

Bergen

Service Area

Borough of Westwood

Existing Population

10,918

Need for Project

The Bergen County Utilities Authority Infiltration Inflow (I/I) Analysis and Sewer System Evaluation Survey identified excessive I/I in this municipality's sewer system.

Project Description

The excessive I/I will be removed by grouting, slip lining, and other minor rehabilitation methods.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : RIVER EDGE BOROUGH

Project No. : 340841-01	Eligible Project Cost	:	\$384,420
FY93 RANK : 274.0			
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
		0
	SUBTOTAL	0

B. Existing Water Quality

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

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
Primary Discharge	500	0
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
		50
	SUBTOTAL	50

Population .01064

TOTAL POINTS 50.01064

Project Name, Number

Priority List Rank

River Edge Borough
340841-01
Infiltration/Inflow Correction

274

County

Bergen

Service Area

Borough of River Edge

Existing Population

10,643

Need for Project

The Bergen County Utilities Authority Infiltration/Inflow (I/I) Analysis and Sewer System Evaluation Survey identified excessive I/I in this municipality's sewer system.

Project Description

The excessive I/I will be removed by grouting, slip lining, and other minor rehabilitation methods.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : WANAQUE VALLEY REG SA/WANAQUE BOROUGH

Project No. : 340780-02 Eligible Project Cost : \$1,164,000
 FY93 RANK : 275.0
 County : PASSAIC Total State Amount : \$1,164,000

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
CSD Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population .01058

TOTAL POINTS 50.01058

Project Name, Number

Priority List Rank

Wanaque Valley Regional S.A.
(Wanaque Borough SA)
340780-02
Infiltration/Inflow Correction

275

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 the Haskell service area in Wanaque Borough. This work includes internal grouting of sewer joints and manholes and raising, resetting and/or replacement of manhole covers.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : SAYREVILLE BOROUGH

Project No. : 340326-04 Eligible Project Cost : \$205,194

FY93 RANK : 276.0

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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population .01050

TOTAL POINTS 50.01050

Project Name, Number

Priority List Rank

Sayreville Borough
340326-04
Infiltration/Inflow Correction

276

County

Middlesex

Service Area

Borough of Sayreville (Morgan and Melrose Sections)

Existing Population

10,500

Need for Project

The sewer systems in the Morgan and Melrose sections of Sayreville Borough constructed prior to the use of secondary treatment methods did not set strict limits on the volume of infiltration and inflow within sanitary sewers since treatment costs were not greatly affected by these extraneous flows. However, in recent years, the construction costs of conveyance facilities, coupled with rising treatment costs associated with secondary treatment methods, have resulted in efforts to eliminate infiltration and inflow in areas where it is proven to be cost-effective.

Project Description

The proposed project is to provide I/I correction for Sayreville's existing system.

WORKSHEET -- PRIORITY RANKING

Anticipated
 Recipient : FAIRVIEW BOROUGH

Project No. : 340517-01 Eligible Project Cost : \$1,274,202
 FY93 RANK : 277.0
 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
CSD Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population .01034

TOTAL POINTS 50.01034

Project Name, Number

Priority List Rank

Fairview Borough
340517-01
Infiltration/Inflow Correction

277

County

Bergen

Service Area

Borough of Fairview

Existing Population

10,341

Need for Project

BCUA has completed an Infiltration/Inflow (I/I) analysis and Sewer System Evaluation Survey which has identified excessive I/I within the Borough's sewer system and proposed an I/I correction program to eliminate a portion of these extraneous I/I flows.

Project Description

This proposed project may include the grouting and sealing of leaking manholes and sewer lines, repair or adjustments of defective manhole covers, and other minor rehabilitation measures.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : BRIGANTINE CITY

Project No. : 340827-01 Eligible Project Cost : \$2,652,840
 FY93 RANK : 278.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0

	SUBTOTAL	50

Population .00988

TOTAL POINTS 50.00988

Project Name, Number

Priority List Rank

Brigantine City
340827-01
Infiltration/Inflow Correction

278

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
FY93 RANK : 279.0			
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
		0
	SUBTOTAL	0

B. Existing Water Quality

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

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
Primary Discharge	500	0
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
		50
	SUBTOTAL	50

Population .00902

TOTAL POINTS 50.00902

Project Name, Number

Priority List Rank

Margate City
340666-01
Infiltration/Inflow Correction

279

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

Project No. : 340852-01 Eligible Project Cost : \$2,795,364
 FY93 RANK : 280.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population .00890

TOTAL POINTS 50.00890

Project Name, Number

Priority List Rank

Branchburg Township
340852-01
Infiltration/Inflow

280

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 : CHATHAM BOROUGH

Project No. : 340932-01 Eligible Project Cost : \$1,233,637
 FY93 RANK : 281.0
 County : MORRIS Total State Amount : \$1,233,637

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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population .00821

TOTAL POINTS 50.00821

Project Name, Number

Priority List Rank

Chatham Borough
340932-01
Infiltration/Inflow Correction

281

County

Morris

Service Area

Chatham Borough

Existing Population

8,212

Need for Project

The problems of root intrusion, cracked pipes, leaking house services, and leaking joints due to the age of the sewers have caused infiltration and inflow conditions in the Borough of Chatham service area.

Project Description

The proposed project involves replacing 1,218 linear feet of 15" vitreous tile (V.T.) sanitary trunk sewer pipe with 16" diameter ductile iron pipe, rehabilitating 400 linear feet of 15" V.T. sanitary trunk sewer pipe by installing liner, replacing 265 linear feet of 8" V.T. pipe with 8" P.V.C. pipe located on Girard Avenue, and replacing 325 linear feet of 8" V.T. pipe with 8" P.V.C. pipe located on Lum Avenue.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : HADDON HEIGHTS BOROUGH

Project No. : 340877-01 Eligible Project Cost : \$736,410

FY93 RANK : 282.0

County : CAMDEN Total State Amount : \$736,410

I. SEGMENT POINTS

A. Existing Water Conditions

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

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
SUBTOTAL		50

Population .00820

TOTAL POINTS 50.00820

Project Name, Number

Priority List Rank

Haddon Heights Borough
340877-01
Infiltration/Inflow Correction

282

County

Camden

Service Area

Haddon Heights Borough

Existing Population

8,203

Need for Project

The existing collection system in the Borough of Haddon Heights is antiquated and subject to possible excessive infiltration/inflow (I/I).

Project Description

The project consists of the rehabilitation of the sewer system.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : BOGOTA BOROUGH

Project No. : 340914-01 Eligible Project Cost : \$171,462

FY93 RANK : 283.0

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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population .00802

TOTAL POINTS 50.00802

Project Name, Number

Priority List Rank

Bogota Borough
340914-01
I/I Correction

283

County

Bergen

Service Area

Borough of Bogota

Existing Population

8,020

Need for Project

A 1981 report prepared by the Bergen County Utilities Authority identified sources of excessive infiltration and inflow which account for 27% of the total average flow and 78% of peak flow. The sewer system improvements will reduce the infiltration/inflow and increase the efficiency of the treatment plant.

Project Description

The proposed project includes the cleaning, televising, and grouting of approximately 17,000 LF of sanitary sewer pipe, the installation of 10 new manholes, and the rehabilitation of an existing pump station.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : GLEN RIDGE BOROUGH

Project No. : 340861-01	Eligible Project Cost	:	\$244,252
FY93 RANK : 284.0			
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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population .00787

TOTAL POINTS 50.00787

Project Name, Number

Priority List Rank

Glen Ridge Borough
340861-01
Infiltration/Inflow Correction

284

County

Essex

Service Area

Borough of Glen Ridge

Existing Population

7,872

Need for Project

A sewer system evaluation survey recently performed by Elson T. Killam Associates for the Passaic Valley Sewerage Commissioners' service area found excessive infiltration/inflow (I/I) in this municipality's sewer system.

Project Description

An I/I correction program consisting of grouting slip lining, and minor rehabilitation of structurally damaged pipes and manholes will be undertaken to remove the identified excessive I/I.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : SOUTH AMBOY CITY

Project No. : 340326-06	Eligible Project Cost :	\$205,194
FY93 RANK : 285.0		
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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population .00784

TOTAL POINTS 50.00784

Project Name, Number

Priority List Rank

South Amboy City
340326-06
Infiltration/Inflow Correction

285

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
 FY93 RANK : 286.0
 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
CSD Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population .00764

TOTAL POINTS 50.00764

Project Name, Number

Priority List Rank

Passaic Township
340404-04
Infiltration/Inflow Correction

286

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 : MONTVALE BOROUGH

Project No. : 340846-01	Eligible Project Cost	:	\$88,158
FY93 RANK : 287.0			
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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population .00753

TOTAL POINTS 50.00753

Project Name, Number

Priority List Rank

Montvale Borough
340846-01
Infiltration/Inflow Correction

287

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
 FY93 RANK : 288.0
 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
CSD Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population .00668

TOTAL POINTS 50.00668

Project Name, Number

Priority List Rank

Bernardsville Borough
340816-03
Infiltration/Inflow Correction

288

County

Somerset

Service Area

Borough of Bernardsville

Existing Population

6,600

Need for Project

Based on an infiltration/inflow analysis sponsored by the Somerset County Planning Board, the Upper Raritan Watershed Wastewater Facilities Plan recommends a Sewer System Evaluation Survey (SSES) be performed on the Bernardsville sewer system.

Project Description

The SSES will include a physical survey of the Bernardsville sewer system, including manhole inspections and flow inspection (measurement of sewage flows in isolated reaches of pipe), rainfall simulation and smoke testing, building inspection of units suspected of contributing inflow to the sanitary sewers, and television inspection. I/I correction in accordance with the recommendations of the SSES will follow.

WORKSHEET -- PRIORITY RANKING

Anticipated

Recipient : DUNELLEN BOROUGH

Project No. : 340916-01 Eligible Project Cost : \$3,449,999
 FY93 RANK : 289.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50
	Population	.00640
	TOTAL POINTS	50.00640

Project Name, Number

Priority List Rank

Dunellen Borough
340916-01
I/I Correction

289

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 excessive 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 : N ARLINGTON - LYNDHURST JT MTG (NARL)

Project No. : 340426-06 Eligible Project Cost : \$184,700
 FY93 RANK : 290.0
 County : BERGEN Total State Amount : \$184,700

I. SEGMENT POINTS

A. Existing Water Conditions

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

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
SUBTOTAL		50

Population .00559

TOTAL POINTS 50.00559

Project Name, Number

Priority List Rank

North Arlington/Lyndhurst JM (North Arlington)
340426-06
Sewer System Rehab

290

County

Bergen

Service Area

Portions of the Borough of North Arlington

Existing Population

5,594

Need for Project

The Joint Meeting has conducted an Infiltration/Inflow (I/I) analysis and concluded that excessive I/I exists in the sewer system. A sewer system evaluation survey has evaluated flow conditions and identified the sewer segments which are cost-effective to rehabilitate. Further sewer system evaluation work will propose an I/I correction program to reduce the excessive I/I flows.

Project Description

This proposed project will consist of an I/I correction program to remove a portion of the excessive I/I flows. This may include grouting of sewer joints, sealing manholes, repairs or replacement of defective manhole covers, and other minor rehabilitation measures.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : POINT PLEASANT BEACH BOROUGH

Project No. : 340479-02 Eligible Project Cost : \$1,370,880
 FY93 RANK : 291.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population .00552

TOTAL POINTS 50.00552

Project Name, Number

Priority List Rank

Point Pleasant Beach Borough
340479-02
Infiltration/Inflow Correction

291

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
FY93 RANK :	292.0			
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
CSD Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population .00537

TOTAL POINTS 50.00537

Project Name, Number

Priority List Rank

Spring Lakes Heights Borough
340840-01
Infiltration/Inflow Correction

292

County

Monmouth

Service Area

Borough of Spring Lake Heights

Existing Population

5,369

Need for Project

Excessive infiltration/inflow has been discovered in the Borough's sewer system and is causing unnecessarily high processing charges for sewage treatment. Further studies will be performed to further define the sources of the excessive I/I.

Project Description

The scope of future work is unknown at the present time but may entail the repair of leaking joints and catch basins.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : MANASQUAN BOROUGH

Project No. : 340911-01 Eligible Project Cost : \$2,563,990
 FY93 RANK : 293.0
 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
CSD Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population .00534

TOTAL POINTS 50.00534

Project Name, Number

Priority List Rank

Manasquan Borough
340911-01
I/I Correction

293

County

Monmouth

Service Area

Borough of Manasquan

Existing Population

Winter: 5,341
Summer: 15,000

Need for Project

The existing sanitary sewer system consists of 80-year old terra cotta pipes, many of which are 6-inches in diameter. Many of the pipes are cracked, have broken joints, and deteriorated manholes. The borough is located in a coastal area 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

Project No. : 340901-01 Eligible Project Cost : \$776,356
 FY93 RANK : 294.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population .00519

TOTAL POINTS 50.00519

Project Name, Number

Priority List Rank

Highlands Borough
340901-01

294

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 additipnal 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
 FY93 RANK : 295.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population .00504

TOTAL POINTS 50.00504

Project Name, Number

Priority List Rank

Wildwood City
340664-01
Infiltration/Inflow Correction

295

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 possible excessive amounts of infiltration/inflow.

Project Description

Rehabilitation tasks proposed include: cleaning and inspection, repair or replacement of damaged or deteriorated sewer pipes and manholes.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : SAYREVILLE BOROUGH

Project No. : 340326-07 Eligible Project Cost : \$4,217,710
 FY93 RANK : 296.0
 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	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population .00442

TOTAL POINTS 50.00442

Project Name, Number

Priority List Rank

Sayreville Borough
340326-07
Infiltration/Inflow Correction -
Overflow

296

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 : WILDWOOD CREST BOROUGH

Project No. : 340719-01	Eligible Project Cost	:	\$217,578
FY93 RANK : 297.0			
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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population .00422

TOTAL POINTS 50.00422

Project Name, Number

Priority List Rank

Wildwood Crest Borough
340719-01
Infiltration/Inflow Corrections

297

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 possibly 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: cleaning and inspection, repair or replacement of damaged or deteriorated sewer pipes and manholes.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : N ARLINGTON-LYNDHURST JT MTG (LYND)

Project No. : 340426-05 Eligible Project Cost : \$245,800
 FY93 RANK : 298.0
 County : BERGEN Total State Amount : \$245,800

I. SEGMENT POINTS

A. Existing Water Conditions

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

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population 100419

TOTAL POINTS 50.00419

Project Name, Number

Priority List Rank

North Arlington/Lyndhurst JM (Lyndhurst)
340426-05
Sewer System Rehab

298

County

Bergen

Service Area

Borough of Lyndhurst

Existing Population

4,185

Need for Project

The Joint Meeting has conducted an Infiltration/Inflow (I/I) analysis and concluded that excessive I/I exists in the sewer system. A sewer system evaluation survey has evaluated flow conditions and identified the sewer segments which are cost-effective to rehabilitate. Further sewer system evaluation work will propose an I/I correction program to reduce the excessive I/I flows.

Project Description

This proposed project will consist of an I/I correction program to remove a portion of the excessive I/I flows. This may include grouting of sewer joints, sealing manholes, repairs or replacement of defective manhole covers, and other minor rehabilitation measures.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : DELAWARE TOWNSHIP MUA

Project No. : 340917-02 Eligible Project Cost : \$387,052
 FY93 RANK : 299.0
 County : HUNTERDON Total State Amount : \$387,052

I. SEGMENT POINTS

A. Existing Water Conditions

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

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	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
CSD Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population .00398

TOTAL POINTS 50.00398

Project Name, Number

Priority List Rank

Delaware Township MUA
340917-02
I/I Correction

299

County

Hunterdon

Service Area

Sergeantsville Light District

Existing Population

3,981

Need for Project

The Sergeantsville Light district is experiencing excessive infiltration. The collection system must be inspected to identify and correct the cause(s) of infiltration.

Project Description

The proposed project will include smoke testing and video camera inspection of approximately 10,000 linear feet of sewer line. In addition, cracks will be grouted and any collapsed or obstructed lines repaired.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : LAMBERTVILLE SA

Project No. : 340882-01 Eligible Project Cost : \$637,325
 FY93 RANK : 300.0
 County : HUNTERDON Total State Amount : \$637,325

I. SEGMENT POINTS

A. Existing Water Conditions

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

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population .00390

TOTAL POINTS 50.00390

Project Name, Number

Priority List Rank

Lambertville Sewerage Authority
340882-01
I/I Correction

300

County

Hunterdon

Service Area

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

Existing Population

12,000

Need for Project:

The Lambertville Sewerage Authority has conducted a Sewer System Evaluation Survey (SSES) and located sources of excessive infiltration/inflow (I/I). Phase I repairs were completed by the Lambertville Sewerage Authority. Phase 2 and Phase 3 repairs are included in the scope of this project.

Project Description:

The proposed project includes the reparation of leaking pipes and manholes identified in the SSES. Additional investigations will be done to determine the effectiveness of repairs and the extent of migration.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : OLD BRIDGE MUA

Project No. : 340945-03 Eligible Project Cost : \$826,460
 FY93 RANK : 301.0
 County : MIDDLESEX Total State Amount : \$826,460

I. SEGMENT POINTS

A. Existing Water Conditions

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

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	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
CSD Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population .00378

TOTAL POINTS 50.00378

Project Name, Number

Priority List Rank

Old Bridge Municipal Utilities Authority
340945-03
Sewer Rehabilitation

301

County

Middlesex

Service Area

Old Bridge Township; Lakeridge basin, Madison Park, Adelphi Court
and the Society Hill area

Existing Population

3,780

Need for Project

Deterioration of concrete sewer pipe due to hydrogen sulfide at the terminus of force mains from Society Hill and Madison Park Pumping Stations. Realign sewer pipe slope on Adelphi Court due to existing shallow slope. Realign and increase diameter of force main from Lakeridge 516 Pump Station due to inadequate and limiting capacity of the existing 6" force main. Rehabilitate manhole at Lakeridge 516 Pump Station due to deterioration.

Project Description

The proposed project consists of 3 pumping stations, force main relocations, sewer replacement and manhole replacement.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : HIGH BRIDGE BOROUGH

Project No. : 340842-01	Eligible Project Cost	:	\$303,927
FY93 RANK : 302.0			
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
CSD Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0

	SUBTOTAL	50

Population 100377

TOTAL POINTS 50.00377

Project Name, Number

Priority List Rank

High Bridge Borough
340842-01

302

Infiltration/Inflow Correction

County

Hunterdon

Service Area

Borough of High Bridge

Existing Population

3,772

Need for Project

The Borough of High Bridge suspects excessive Infiltration/Inflow quantities to be present in their municipal sewerage system.

Project Description

Pending study by the Borough, the excessive I/I is proposed to be removed by grouting, manhole replacement and other minor rehabilitation methods.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : STANHOPE BOROUGH

Project No. : 340504-02 Eligible Project Cost : \$350,852
 FY93 RANK : 303.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population .00370

TOTAL POINTS 50.00370

Project Name, Number

Priority List Rank

Stanhope Borough
340504-02
Infiltration/Inflow Correction

303

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
FY93 RANK : 304.0			
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
CSD Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population 1,00295

TOTAL POINTS 50.00295

Project Name, Number

Priority List Rank

Sea Isle City

304

340659-01

Infiltration/Inflow Correction - Overflow

County

Cape May

Service Area

Sea Isle City

Existing Population

2,955

21,184 (summer peak)

Need for Project

The Sea Isle City collection system is subject to possible excessive amounts of infiltration/inflow (I/I) as documented in a sewer system evaluation survey.

Project Description

The proposed rehabilitation tasks include: cleaning and inspection, repair and/or replacement of damaged or deteriorated sewer pipes and manholes.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : WOODLYNNE BOROUGH

Project No. : 340849-01 Eligible Project Cost : \$3,899,393
 FY93 RANK : 305.0
 County : CAMDEN Total State Amount : \$3,899,393

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	0
	SUBTOTAL	0

B. Existing Water Quality

Parameter	Meets Standards	Marginally Meets Standards	Does Not Meet Standards	Points Scored
Dissolved Oxygen	0	50	100	0
Fecal Coliform	0	50	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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population .00258

TOTAL POINTS 50.00258

Project Name, Number

Priority List Rank

Woodlynne Borough
340849-01
Infiltration/Inflow Correction

305

County

Camden

Service Area

Woodlynne Borough

Existing Population

2,578

Need for Project

The existing collection system is deteriorated with cracked pipes and open joints. Consequently, the infiltration/inflow (I/I) levels in the sewer system is possibly excessive.

Project Description

The proposed project consists of rehabilitation of the sewer system through the replacement of existing cracked pipes with PVC lines.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : AVALON BOROUGH

Project No. : 340864-01 Eligible Project Cost : \$1,048,266
 FY93 RANK : 306.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population .00238

TOTAL POINTS 50.00238

Project Name, Number

Priority List Rank

Avalon Borough
340864-01
I/I Correction

306

County

Cape May

Service Area

Avalon Borough

Existing Population

2,382
35,000 (Summer)

Need for Project

Infiltration/Inflow (I/I) studies conducted have revealed that the Borough Sanitary Sewer System is possibly subject to excessive I/I.

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.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : PEAPACK & GLADSTONE BOROUGH

Project No. : 340822-01 Eligible Project Cost : \$103,646
 FY93 RANK : 307.0
 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
CSD Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population .00212

TOTAL POINTS 50.00212

Project Name, Number

Priority List Rank

Peapack-Gladstone Borough
340822-01
Infiltration/Inflow Correction

307

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
 FY93 RANK : 308.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0

	SUBTOTAL	50

Population .00188

TOTAL POINTS 50.00188

Project Name, Number

Priority List Rank

Clinton Township Sewerage Authority
340873-01
Infiltration/Inflow Correction

308

County

Hunterdon

Service Area

Clinton Town

Existing Population

1,882

Need for Project

Excessive infiltration associated with the Clinton Township Sewerage Authority system results in periodic sewage overflows. A water quality impact to tributaries of the South Branch Raritan River in the Clinton area (Classification FW2-TM) has not been definitely established at this time.

Project Description

Rehabilitation of existing conveyance and pumping facilities is proposed to correct the periodic sewage overflow problem.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : DEAL BOROUGH

Project No. : 340412-08 Eligible Project Cost : \$1,085,170
 FY93 RANK : 309.0
 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
CSD Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
SUBTOTAL		50

Population .00185

TOTAL POINTS 50.00185

Project Name, Number

Priority List Rank

Deal Borough
340412-08
Infiltration/Inflow Correction

309

County

Monmouth

Service Area

Borough of Deal

Existing Population

1851

Need for Project

The Infiltration/Inflow (I/I) analysis of the collection system indicates that the city sewerage system has excessive I/I which can be removed cost-effectively.

Project Description

The proposed project will be for an Infiltration/Inflow correction program to eliminate excessive I/I from the sewerage system.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : EAST NEWARK BOROUGH

Project No. : 340848-01 Eligible Project Cost : \$203,137
 FY93 RANK : 310.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population 1,001,833

TOTAL POINTS 50.00183

Project Name, Number

Priority List Rank

East Newark Borough
340848-01
Infiltration/Inflow Correction

310

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

Project No. : 340907-01	Eligible Project Cost	:	\$376,057
FY93 RANK : 311.0			
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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population .00161

TOTAL POINTS 50.00161

Project Name, Number

Priority List Rank

Island Heights Borough
340907-01

311

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 : CHESTER BOROUGH

Project No. : 340876-02 Eligible Project Cost : \$1,051,018
 FY93 RANK : 312.0
 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
CSD Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	50
I/I Correction	50	0
Advanced Treatment	1	0
	SUBTOTAL	50

Population .00150

TOTAL POINTS 50.00150

Project Name, Number

Priority List Rank

Chester Borough
340876-02
STP

312

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 : BAY HEAD BOROUGH

Project No. : 340590-02	Eligible Project Cost	:	\$148,912
FY93 RANK : 313.0			
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
CSD Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population .00134

TOTAL POINTS 50.00134

Project Name, Number

Priority List Rank

Bay Head Borough
340590-02
Infiltration/Inflow Correction

313

County

Ocean

Service Area

Bay Head Borough

Existing Population

1,343

Need for Project

The Borough of Bay Head has an old sewerage collection system consisting of clay pipes and lead joints. Cracked pipes and weak joints lead to excessive infiltration/inflow to the existing sanitary sewers. During wet weather, the infiltration/inflow to the system peaks at 0.8 mgd. It is cost effective to perform I/I correction as compared to transporting and treating these extraneous flows at the Ocean County Utilities Authority Wastewater Treatment Facility.

Project Description

At present the project is in Phase II of SSES. This consists of preparatory cleaning and internal TV inspection of 15,281 linear feet and smoke testing of 29,005 linear feet of sewer line. Dye water flooding and dye tracing will be done at the conclusion of smoke testing. In addition, a pilot grouting program of the worst 10 lines will also be undertaken during this phase and the results so obtained will be used in the subsequent work in Phase 3, which will consist of the I/I correction of the remaining lines with excessive infiltration/inflow, grouting of 17 leaking manholes and utilizing manhole inserts to eliminate inflow in 47 manholes. The I/I correction program will remove extraneous flow from this sewer system.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : STONE HARBOR BOROUGH

Project No. : 340722-01 Eligible Project Cost : \$217,196
 FY93 RANK : 314.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population .00128

TOTAL POINTS 50.00128

Project Name, Number

Priority List Rank

Stone Harbor Borough
340722-01
Infiltration/Inflow Correction

314

County

Cape May

Service Area

Stone Harbor Borough

Existing Population

1,281
20,278 (summer peak)

Need for Project

The Stone Harbor sewer system is subject to excessive infiltration/inflow (I/I) as documented in a sewer system evaluation survey.

Project Description

Tasks included in the proposed minor rehabilitation include the sealing, repair and/or replacement of damaged or deteriorated sewer pipes and manholes.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : EGG HARBOR TOWNSHIP MUA

Project No. : 340753-01 Eligible Project Cost : \$97,387
 FY93 RANK : 315.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population .00125

TOTAL POINTS 50.00125

Project Name, Number

Priority List Rank

Egg Harbor Township MUA
340753-01
Infiltration/Inflow Correction

315

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 : LONGFORT BOROUGH

Project No. : 340665-01	Eligible Project Cost	:	\$202,500
FY93 RANK : 316.0			
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
		0
	SUBTOTAL	0

B. Existing Water Quality

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

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
Primary Discharge	500	0
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
		0
	SUBTOTAL	50

Population .00124

TOTAL POINTS 50.00124

Project Name, Number

Priority List Rank

Longport Borough
340665-01
Infiltration/Inflow Correction

316

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 : MANSFIELD TOWNSHIP

Project No. : 340935-02	Eligible Project Cost	:	\$137,225
FY93 RANK : 317.0			
County : WARREN	Total State Amount	:	\$137,225

I. SEGMENT POINTS

A. Existing Water Conditions

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

B. Existing Water Quality

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

II. DISCHARGE TYPE

Project Discharge Type	Possible Points	Points Scored
Primary Discharge	500	0
I/I Correction-Overflow	250	0
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population 1.00100

TOTAL POINTS 50.00100

Project Name, Number

Priority List Rank

Mansfield Township - Diamond Hill
340935-02
I/I Correction

317

County

Warren

Service Area

Diamond Hill Development

Existing Population

1,000

Need for Project

The treatment plant is inundated during heavy rainfall.

Project Description

Work under this project will include, but not necessarily be limited to, minor cleaning and TV inspection of sewer lines, joint pressure testing to determine if sealing is required to eliminate infiltration, manhole sealing if required, and root removal.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : ROOSEVELT BOROUGH

Project No. : 340761-02 Eligible Project Cost : \$1,323,500
 FY93 RANK : 318.0
 County : MONMOUTH Total State Amount : \$1,323,500

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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population .00089

TOTAL POINTS 50.00089

Project Name, Number

Priority List Rank

Roosevelt Borough
340761-02
I/I

318

County

Monmouth

Service Area

Borough of Roosevelt

Existing Population

894

Need for Project

The existing collection system serving the Borough of Roosevelt is very old, and is subject to an extreme amount of I/I. Replacement of the existing sewers will eliminate a portion of excessive I/I in approximately 22,000 LF of collection system serving the Borough.

Project Description

The proposed project will consist of removal and replacement of existing sanitary lines and aged manholes to remove excessive I/I that is detrimental to the existing collection system.

WORKSHEET - PRIORITY RANKING

Anticipated

Recipient : MIDDLE TWP (CAPE MAY COURT HOUSE)

Project No. : 340691-05 Eligible Project Cost : \$559,427
 FY93 RANK : 319.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population .00053

TOTAL POINTS 50.00053

Project Name, Number

Priority List Rank

Middle Township (Cape May Court House)
340691-05
Infiltration/Inflow Correction

319

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 and subject to possible excessive I/I.

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
 FY93 RANK : 320.0
 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
CSO Abatement	250	0
Inadequate Secondary Treatment	200	0
Sludge Disposal/Treatment	100	0
New Systems	50	0
I/I Correction	50	50
Advanced Treatment	1	0
	SUBTOTAL	50

Population .00037

TOTAL POINTS 50.00037

Project Name, Number

Priority List Rank

West Wildwood Borough
340626-03
Infiltration/Inflow Correction

320

County

Cape May

Service Area

West Wildwood Borough

Existing Population

379
5,178 (Summer Peak)

Need for Project

The West Wildwood sewer collection system is possibly subjected to excessive amounts of infiltration/inflow. Extensive use of six inch diameter pipes, very flat slopes, high groundwater, grease and detergent buildups as well as sand infiltration all contribute to the excessive I/I.

Project Description

The rehabilitation measures proposed in alleviating the excessive I/I and unclogging the system include: cleaning, internal inspection, repair and/or replacement of damaged or deteriorated sewer pipe, manholes and house laterals.



**RESPONSIVENESS
SUMMARY**

NEW JERSEY STATE LIBRARY

RESPONSE DOCUMENT FOR THE JANUARY 8, 1992
PUBLIC HEARING ADDRESSING THE PROPOSED FEDERAL
FFY93 PRIORITY SYSTEM, INTENDED USE PLAN AND PROJECT PRIORITY LIST

Public Participation Activity Purpose

On January 8, 1992 at 10:00 a.m., the New Jersey Department of Environmental Protection and Energy (Department) held a public hearing in the Large Conference Room at the Municipal Wastewater Assistance office in Trenton, New Jersey. The purpose of the hearing was to solicit comments on the Department's Proposed Priority System, Intended Use Plan and Project Priority List for the use of federal monies authorized to the State of New Jersey under the Water Quality Act of 1987 in Federal Fiscal Year 1993 (FFY93).

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. Funding for such projects is available from two sources: State Revolving Fund (SRF) monies (which includes the federal SRF capitalization grant, the required 20 percent state match, SRF loan repayments and any interest earned thereon) and state-only or non-SRF monies (which includes funds available from the Wastewater Treatment Bond Act of 1985 and repayments from previous years' non-SRF loanees). 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 FFY93 and state loans in State Fiscal Year 1994 (SFY94). Only those projects whose sponsor indicated their intent to comply with the project document submittal deadlines identified in the Proposed FFY93 Priority System, Intended Use Plan and Project Priority List are eligible to receive state loans in SFY94. 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 SFY94. Grant and loan increases will also be awarded in FFY93 and SFY94, 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.

Public Participation Process

The Clean Water Act and its amendments require the United States Environmental Protection Agency (USEPA) and the states to provide for and encourage public participation in the Construction Grants Program and the federally-supported SRF Program. In New Jersey, the SRF is a component of the Wastewater Treatment Financing Program. In accordance with the federal 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 FFY93 Priority System, Intended Use Plan and Priority List, the Department desired extensive involvement with the public.

Public notice of the January 8, 1992 hearing 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 November 22, 1991 notice scheduling the hearings and identifying the close of the public comment period as January 15, 1992.

The second notice, on December 2, 1991, included the Proposed FFY93 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 December 2, 1991 notice included a listing of those libraries which received the project narrative/ranking worksheet document.

The November 22, 1991 public notice satisfies the 45 day notice period for public hearings and the December 2, 1991 notification satisfies the 30 day requirement for availability of relevant documents for the public's review in accordance with applicable federal regulations.

The public hearing was chaired by Nicholas G. Binder, P.E., P.P., Administrator, Municipal Wastewater Assistance, who presented information relevant to the Proposed FFY93 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 Department's offices in Trenton upon request.

Proposed FFY93 Priority System, Intended Use Plan and Project Priority List

The Priority System project ranking criteria continues to place primary emphasis on the water quality benefits that would be achieved through construction of the listed projects. As in the past, eligible project costs continue to be limited based on the low (responsive and responsible) contractor's bid building cost. Federal grant increases will be awarded in FFY93 at the 55 percent funding level (and may include a 20 percent bonus for innovative/alternative (I/A) technologies) for eligible project costs based on the low bid building cost to the extent sufficient grant funds are available.

The Priority System/Intended Use Plan/Project Priority List package includes information on financing through the New Jersey Wastewater Treatment Financing Program. The Wastewater Treatment Financing Program is comprised of the Department-administered Wastewater Treatment Fund (the Fund), a revolving loan fund initially capitalized with \$150 million in state general obligation bonds, and the New Jersey Wastewater Treatment Trust (the Trust), an innovative financing vehicle initially capitalized by \$40 million in state general obligation bonds, with the ability of "leveraging" 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 five previous funding cycles, projects totalling \$880 million in loans were certified by and received loans from the Department and the Trust. The Intended Use Plan details New Jersey's intent to enter into SRF capitalization grant agreements with USEPA to provide additional capital to the Fund and continue the progress made in the past in addressing the state's water quality deficiencies.

The Trust and the Fund act together with each entity providing a portion of a local government unit's total loan for a project. The blending of interest rates for the combined loans for the Trust and Fund means that the resultant interest rates will 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 previously considered eligible under the federal Construction Grants Program, including collection system, combined sewer overflow and major sewer system rehabilitation projects).

SUMMARY OF PUBLIC ISSUES AND RESPONSES

COMMENT

Several commenters expressed their objection to the statement in the Priority System in which the state reserves the right to use recovered grant funds for several uses, including State Revolving Fund (SRF) loan uses. These commenters' main concern was the ability of the state to transfer grant funds to the SRF. They cited a recent federal regulation deviation which extended the availability of recovered grant funds until the end of FFY95 (i.e., recovered funds are not in jeopardy of being returned to USEPA if not obligated in the standard 2 year period, but all recovered funds must be obligated before the end of FFY95).

RESPONSE

The Department acknowledges the commenters' concern. After careful consideration, the Department has determined that modifications to the existing language in the Priority System would not be appropriate. The statement is necessary for two reasons: 1) to maximize the state's flexibility in the on-going administration of the Construction Grants and SRF Programs and 2) to ensure that, if grant funds recovered in FFY93 are not obligated by the end of FFY95, the state's ability to transfer these funds to the SRF are not impeded by the provisions of the FFY93 Priority System.

COMMENT

One commenter stated their support of the Department's request for a deviation from the federal regulations to allow recovered grant funds to be used for Innovative/Alternative (I/A) grant increases and their support of the Department's policy regarding the use of excess grant funds (i.e., budget line item changes). Another commenter inquired as to the status of the Department's deviation request.

RESPONSE

The Department faces many difficult policy decisions in implementing the Construction Grants Program. We appreciate the commenter's support of the policies noted above. The Department's request for a deviation from the federal regulations was submitted to USEPA - Region II in September 1991. As of March 1992, the request was under review by the Region.

COMMENT

One commenter noted that the planning and design deadlines for SFY94 funding have been accelerated to April 27, 1992 and November 2, 1992, respectively.

RESPONSE

The Department has accelerated planning and design activities to encourage local units to apply for all necessary permits and approvals earlier in the project certification process.

COMMENT

One commenter questioned whether the January 15, 1992 deadline for the submission of combined sewer overflow (CSO) planning grant applications would be extended and how much funds are available for such projects.

RESPONSE

The January 15, 1992 deadline for the submission of CSO planning grant applications under the Sewage Infrastructure Improvement Act will not be extended. The Department may establish another application deadline (which may include design grants) some time in the future based on the need for such grant assistance and the amount of available funds. As of January 15, 1992, approximately \$7.2 million was available (but subject to further Treasury restraints) for CSO grants under the Sewage Infrastructure Improvement Act. Since applications totalling approximately \$5.2 million have either been awarded or are in various stages of review and approval, about \$2.0 million would be available in future years for additional planning and design activities.

COMMENT

One commenter asked whether funding for stormwater management facilities would occur under the Sewage Infrastructure Improvement Act (SIIA) as grants or as a new program for stormwater projects.

RESPONSE

The Department has adopted programs to provide SIIA grants to municipalities in the four southern coastal counties to map their stormwater sewer systems. The Act also authorizes the award of grants for planning and design activities associated with eliminating interconnections. The SIIA does not authorize funds for the construction of stormwater management facilities. The Stormwater Management and CSO Bond Act of 1989 authorizes financial assistance for the construction of stormwater management and CSO

facilities. The regulations at N.J.A.C. 7:22-3 have been modified to allow funds available under the 1989 Bond Act to be awarded in a manner consistent with Fund loan awards under the Wastewater Treatment Financing Program. However, all projects must first be placed on the Project Priority List. As part of the FFY93 proposal, the Department sought public input regarding the prioritization of stormwater projects for inclusion on the List. One commenter responded and suggested that SIIA projects receive priority and that economic and environmental factors be considered.

COMMENT

One commenter suggested that we revise the Priority System to include language to award 100 percent Modification/Replacement (M/R) Grants to Innovative/Alternative technologies that fail to meet project performance standards subject to USEPA approval. In addition, the commenter suggested that the language regarding USEPA's establishment of "a five percent limit on allowable grant increases" as stated in the Priority System be modified since, in the case of M/R projects, federal law and regulations authorize a grant "to fund all the costs".

RESPONSE

It was not the Department's intent to preclude those projects which qualify for 100 percent M/R Grants from receiving their due funding when we chose to delete the M/R provisions from the FFY93 Priority System proposal. The M/R provisions have been added to the final FFY93 Priority System in order to clarify that the M/R funding provision continues to be available. In addition, the Department would contend that the five percent limit noted by the commenter under the grant increase policies would not apply to M/R Grants since M/R grant actions would not be classified as standard grant increase actions.

COMMENT

Several commenters cited an impasse between the Department and the USEPA regarding the funding of grant increases, as well as the processing of grant deobligations from other projects. Those commenters also cited the additional financial burden placed on system users since temporary bonds must cover the federal shortfall. Many commenters offered their assistance to resolve any issues and suggested a meeting with USEPA.

RESPONSE

In FFY91, USEPA did not take action on the state's Priority System and thus, no grant increases occurred. The Department and the Governor have submitted the FFY92 Priority System to the Region for approval. The Department acknowledges the commenters' concerns and

is actively seeking answers from USEPA regarding the approval of the Priority System.

COMMENT

One commenter requested a list of pending grant decrease actions by USEPA and questioned how that total compared to the list for grant increases.

RESPONSE

Because of concerns related to the FFY91 Priority System, USEPA ceased processing grant decrease actions in New Jersey as of March 1991. As of February 1992, \$24.9 million in pending grant decreases were with USEPA. The potential decreases (assuming all monies could be deobligated including favorable resolution of pending appeals in Washington with USEPA Headquarters and through administrative completions) would meet a portion of the total amount of monies which municipalities and authorities eligible for grant increases are seeking.

COMMENT

One commenter requested modification of the "use of excess grant funds" provisions citing a pending appeal at USEPA Headquarters, which if resolved in favor of the commenter, may require greater flexibility in the provisions governing the use of such funds.

RESPONSE

There are several appeals regarding the state's grant policies governing the Construction Grants program at various stages of processing with USEPA-Region II or Headquarters. The Department is optimistic that the determination of the appeals will be favorable to the state, since USEPA has approved the state's Priority Systems annually through FFY90 reflecting their support of the state's grant policies. However, it is recognized that, upon the resolution of an appeal or appeals, modifications to the Priority System may need to occur.

COMMENT

One commenter stated that the current loan repayment period of 17-20 years should be extended and be consistent with the useful life of the facility being funded (i.e., 25 years for major treatment facilities, 30-40 years for collection systems, interceptor sewers, etc.). It was suggested that the current law which promotes the aggressive recycling of funds in the program actually is a drawback since more projects would pursue financial assistance if the payback period was extended.

RESPONSE

Under the New Jersey Wastewater Treatment Financing Program, two loan agreements are executed - one for a Trust loan and one for a Fund loan. With respect to the SRF requirements which affect both the Fund and Trust loans, the Water Quality Act of 1987 requires that all SRF loan repayments be made within 20 years of the completion of the project. 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. The Fund loan term is evaluated periodically to ensure that the target subsidy level of the Fund/Trust loans is achieved. Given current market conditions, it has been determined that a Fund loan term of 20 years from the award date would achieve the program's desired subsidy level of approximately 30 percent. If amendments to the federal SRF requirements are enacted which permit the extension of loan repayment periods, the state would analyze the benefits and drawbacks of extending the loan term and recommend (as appropriate) changes to the applicable state laws.

COMMENT

One commenter stated that funds should be set aside for projects which accelerate construction to provide reimbursement in cases where cash draw needs are in excess of the limits in the loan agreements due to accelerated construction schedules.

RESPONSE

The structure of the Trust's financing program is designed to minimize costs for project sponsors. Including provisions in the Trust loan agreements for acceleration of payments in cases where projects proceed ahead of schedule is currently under consideration by the Trust. However, such provisions would ultimately require the borrower to increase their net borrowing. Therefore, it is important for project sponsors to submit accurate projections for the disbursement schedule which is ultimately incorporated into the Fund and Trust loan agreements.

COMMENT

One commenter suggested that the Department provide better control of "carry-on" studies (i.e., according to the commenter, non-basic environmental studies, in particular cultural resource studies) that the Department requires the local units to perform. It was suggested that maybe one out of ten studies produce something of substance. One approach would be for the Department to be held accountable for the costs for studies which produce no result.

RESPONSE

As a condition of the receipt of the federal capitalization grant, from which monies for the Fund and Trust loans are derived, the Department is required to implement an environmental review program which is comparable to the program for environmental review required pursuant to the National Environmental Policy Act. Such a review program has been implemented which provides for three levels of environmental information documentation by the applicant and review and decision by the Department on the anticipated potential for a project to incur environmental impacts or generate public controversy. The graduated documentation and review requirements associated with each level accounts for the fact that some projects will potentially incur greater or lesser environmental impacts. There is a requirement for specific study of cultural resources because, in order to qualify for federal funding, an agency must comply with the requirements set forth in the National Historic Preservation Act of 1966 and its implementing regulations at 36 CFR Part 800 (Procedures for the Protection of Historic and Cultural Properties) as well as Executive Order 11593 (Protection and Enhancement of the Cultural Environment). These laws, regulations and executive orders require that recipients of federal or federally-derived funding demonstrate that all cultural resources that may be affected by the proposed undertaking are identified and protected in accordance with the procedures the agencies implementing the laws have enacted. The cultural resource surveys that are required by the Department fulfill that responsibility. With regard to the funding issue, the Department does attempt to defray the costs of the required studies through the planning and/or design allowance.

COMMENT

One commenter expressed concern regarding a recently adopted program regulation which generally limits the allowable costs for construction management (also known as Step 3) services to 12 percent of the low bid building cost. It was noted that such a policy absolutely benefits contained site-type projects (STP upgrades/expansions) and is detrimental to small conveyance system projects.

RESPONSE

The Department enacted this amendment to the program regulations for several reasons: (1) procurement of construction management services is not subject to competitive bidding nor is it subject to federal procurement regulations at 40 CFR Part 31, and (2) no state-level guidelines exist for acceptable overhead and profit rates for professional firms providing construction management services. The ratio of allowable costs for construction management services to low

bid building cost was chosen after consideration of program data compiled over the past 4 years and is generally considered liberal. Disbursements for construction management services will be made as costs are incurred, paid by the local unit and approved by the Department. The 12 percent limit may be exceeded at the end of the job through budget line item changes which reallocate cost underruns in one line item (not due to a reduction in project scope) to cover cost overruns in another. Similarly, if construction management services are less than 12 percent of the low bid building cost, the excess funds would be available to cover allowable cost overruns in other line items. Note also that no comments regarding this regulation amendment were made during the public participation process for the proposed readoption with amendments.

COMMENT

One commenter objected to the policy of limiting funding to the low bid building cost and suggested that funding be made available for change orders. Several local government units expressed their support of the Department's evaluation of modifying the current regulations regarding the eligibility of increased costs due to changed site conditions caused by contamination.

RESPONSE

The Department would ideally like to fully fund all costs related to the construction of wastewater treatment plants. However, the Department has adopted certain management policies in the program regulations and the Priority Systems in order to extend the limited funds available to a larger number of projects in the state. In addition, it is the Department's belief that its policies regarding loan and loan increase awards have led municipalities to better assess their project needs to reduce the extent of unanticipated project costs (i.e., change orders). The Department recognizes that such cost increases are inevitable and encourages local units to thoroughly investigate existing site conditions prior to advertisement/award of the building contract(s) in an effort to minimize such unanticipated cost increases. The Department and the Trust are analyzing the possibility of considering allowable increased costs due to change orders resulting from unforeseen site conditions and any modifications to existing policy will be reflected in proposed regulations. The funding of such change orders was initially raised at the December 7, 1991 public hearing regarding the program's regulation (N.J.A.C. 7:22-3, 4 and 5).

COMMENT

One commenter requested that the Department allow a transfer of funds between two Step 3 grants (i.e., previously known as a reobligation/deobligation) or permit a rejoining of two grant projects that were segmented.

RESPONSE

The Department indicated in the FFY88 Priority System its intent to eliminate the deobligation/reobligation program at the end of FFY88. 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.

The Priority System continues to allow grant monies to 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. Where funds are available as a result of reduced scopes of work, such funds will be deobligated and will not be available for transfer to other 75 percent step 3 grants or for budget line item transfers.

The Department does not permit the rejoining of projects after award. Funds are awarded to distinct, operable segments of a complete wastewater treatment system. If the Department were to allow such a rejoining, it would further deplete the availability of funds in the state to address our wastewater treatment needs.

COMMENT

Several comments were made objecting to the policy of basing grant increases for 75 percent grants on a 65 percent overall average. One respondent submitted a grant application to increase its 75 percent base grant to a 75 percent overall average.

RESONSE

The policy of funding grant increases for 75 percent grants based on a 65 percent overall average was initiated by the Department in response to the decrease in funds available to the Construction Grants Program. Although the Department recognizes that this policy placed several grant recipients at a disadvantage by decreasing the level of overall funding they could obtain, the amount of the original grant did not decrease. The 65 percent criteria was applied only to determine the amount of the net grant increase due to the project sponsor (if any). The application which was submitted has been returned to the applicant since the processing of it under the 65 percent overall rule would not result in a net grant increase.

COMMENT

One commenter stated that priority for grant increases should be based on the date of the original entitlement, not on the date that USEPA's determination on the grantee's appeal was given.

RESPONSE

As stated in the Priority System, priority for projects receiving conventional fund grant increases will be based upon the date of the base grant award. For two or more projects which were awarded base grants on the same day, priority for increases will be based upon their rank in the fiscal year in which their grants were awarded. In cases where projects are due conventional or innovative/alternative (I/A) fund grant increases as a result of an appeal, priority will be based upon the date the determination on the appeal was given.

Until a determination on an appeal is given, it is not known if an increase is warranted. Therefore, any grant increase awards to projects as a result of a favorable decision on the appeal will be prioritized based upon the date of that decision. It would not be prudent for the Department to reserve funds for a project that may never be eligible to receive these funds.

COMMENT

One commenter requested to incorporate by reference all comments made on the Department's Proposed Priority Systems in federal fiscal years 1987 through 1992.

RESPONSE

The Department has given all public comments received on its Priority System proposals due consideration. Responses to the commenters past statements and concerns have been included in past years' Responsiveness Summaries prepared by the Department and submitted to USEPA-Region II.

PROJECT SPECIFIC COMMENTS

- * Musconetcong Sewerage Authority requested that the scope of Project 340384-04 be reduced to include treatment plant improvements to service only the Budd Lake Area of Mt. Olive Township, Mt. Arlington Borough and a portion of Roxbury Township. The necessary changes have been made to the Priority List and project narrative which resulted in the remaining scope (i.e., the treatment plant improvements to provide capacity for

Hopatcong Borough and Jefferson Township) being deleted from Project 340384-04 and reassigned as Project 340384-05.

- * Mt. Olive Township has indicated a desire to proceed with its portion of Project 340537-03, jointly sponsored by Mt. Olive Township and Washington Township MUA which will result in the flows from the Budd Lake Area of Mt. Olive Township being transported to the Musconetcong Sewerage Authority's STP for treatment. The remaining scope (i.e., to provide a collection system and treatment works for a portion of Washington Township) has been deleted from Project 340537-03 and reassigned as Project 340951-01.
- * Pequannock Township requested that the Phase III and Phase IV Collection System Expansions included within the scope of Project 340480-05 be separated into two projects. The necessary changes have been made to the Priority List which resulted in the Phase IV project scope being deleted from Project 340480-05 and reassigned as Project 340480-06.
- * The scope of project 340866-01, sponsored by South Brunswick Township has been revised to delete improvements to correct overflows at the Kendall Park Pump Station. The necessary changes have been made to the project narrative and the project ranked according to its current scope.
- * The following new projects have been added to the Project Priority List:

Sponsor	Project Number
Berkeley Township Sewerage Authority	340937-02
Burlington County Board of Chosen Freeholders	340818-04
Camden County Municipal Utilities Authority	340640-05
Camden County Municipal Utilities Authority	340640-06
Chesterfield Township	340944-01
Joint Meeting of Plainfield, North Plainfield and Dunellen	340949-01
Lambertville Sewerage Authority	340882-03
Manville Borough	340578-04
Middlesex County Utilities Authority	340699-05
Middlesex County Utilities Authority	340699-06
Musconetcong Sewerage Authority	340384-05
Ocean County Utilities Authority	340372-17
Old Bridge Municipal Utilities Authority	340945-01
Old Bridge Municipal Utilities Authority	340945-02
Old Bridge Municipal Utilities Authority	340945-03
Old Bridge Municipal Utilities Authority	340945-04
Old Tappan Borough	340948-01
Pennsville Sewerage Authority	340870-02

Pequannock Township	340480-06
Phillipsburg Town	340874-03
South Plainfield Borough	340950-01
Stafford Municipal Utilities Authority	340946-01
Washington Township Municipal Utilities Authority	340951-01
West Deptford Township	340947-01

- * Many governmental organizations have requested revisions to their respective projects' estimated costs and/or minor revisions to project scopes. These changes have been made and are reflected in the FFY93 Priority List.

REVISIONS TO THE PROJECT PRIORITY LIST

Although project specific comments have not been received concerning the following issues, the Department has determined that the following revisions are appropriate.

- * The scope of Project 340869-01, sponsored by the Aberdeen Township Municipal Utilities Authority, has been included in the scope of Project 340868-01. The necessary changes have been made to the Priority List and narrative resulting in the removal of Project 340869-01 from the Priority List.
- * The following projects received Fund/Trust loan awards on December 3, 1991 and have been removed from the Priority List:

Sponsor	Project Number
Bayshore Regional Sewerage Authority	S340697-03
Burlington County BCF	S340818-03 (See Note)
Camden County MUA	S340640-04
Camden County MUA	S340708-07
Hackettstown MUA	S340933-01
Holmdel Township	S340919-01
Montville Township MUA	S340931-01
Paramus Borough	S340920-01
Pequannock, Lincoln Park, Fairfield SA	S340880-01
Phillipsburg Town	S340874-02 (See Note)

NOTE: Project has additional scope not funded in FFY91/SFY92 funding cycle which will be added to final FFY93 List.

* The following projects are either under construction or built and have been removed from the Priority List:

Sponsor	Project Number
Allentown Borough	340567-03
Atlantic County Utilities Authority	340405-03
Evesham Municipal Utilities Authority	340463-03
Morrestown Township	340912-01
Riverton Sewerage Authority	340763-05
Triboro - Cinnaminson	340763-03

* The following projects have been removed from the Priority List at the request of the project sponsor:

Sponsor	Project Number
East Brunswick Sewerage Authority	340789-03
Lambertville Sewerage Authority	340882-02
Mt. Laurel Township MUA	340409-04
Ocean County Utilities Authority	340372-11
Ocean County Utilities Authority	340372-14
Ocean County Utilities Authority	340372-16
Wood-Ridge Borough	340692-03

RESPONDENTS TO THE PROPOSED FEDERAL FISCAL YEAR 1993 PRIORITY
SYSTEM, INTENDED USE PLAN AND PROJECT PRIORITY LIST

Aberdeen Township Municipal Utilities Authority
Berkeley Township Sewerage Authority
Berlin Township
Burlington County Board of Chosen Freeholders
Burlington Township
Camden County Municipal Utilities Authority
Cape May County Municipal Utilities Authority
Carteret Borough
Chatham Borough
Chesterfield Township
Clinton Township
Delran Sewerage Authority
East Brunswick Sewerage Authority
Essex-Union Joint Meeting
Haddon Heights Borough
Hawthorne Borough
Joint Meeting of Plainfield, North Plainfield and Dunellen
Lambertville Sewerage Authority
Landis Sewerage Authority
Linden-Roselle Sewerage Authority
Manville Borough
Medford Lakes Borough
Medford Township
Mt. Arlington Borough
Mt. Laurel Township Municipal Utilities Authority
Mt. Olive Township
Middlesex County Utilities Authority
Montville Township Municipal Utilities Authority
Musconetcong Sewerage Authority
New Brunswick City
New Providence Borough
Northwest Bergen County Utilities Authority
Oakland Borough
Ocean County Utilities Authority
Old Bridge Municipal Utilities Authority
Old Tappan Borough
Pennsville Sewerage Authority
Pequannock Township
Phillipsburg Town
Pleasantville City
Pompton Lakes Borough Municipal Utilities Authority
Raritan Borough
Ridgewood Village
Riverside Sewerage Authority
Roxbury Township
Shamong Township
Somers Point Sewerage Authority
South Brunswick Township

South Plainfield Borough
South River Borough
Sussex Borough
Stafford Municipal Utilities Authority
Wall Township
Wayne Township
West Deptford Township
West Milford Township Municipal Utilities Authority
Woodlynne Borough
Wood-Ridge Borough
Woodstown Sewerage Authority

Frank T. Antisell and Brian Hobbs of Schoor, DePalma and Canger
Group, Inc.

Lee T. Purcell of Lee T. Purcell, Associates (on behalf of several
local government units)

David M. Siddons (on behalf of the Ocean County Utilities Authority)

Kenneth L. Homan, Walter McNichol and Thomas G. Smith, Sr. (on
behalf of the City of Salem)

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