DIVISION OF WATER QUALITY

Protecting New Jersey's surface and ground waters from pollution caused by improperly treated wastewater, residuals, and stormwater.

QUICK LINKS

Need a Permit? Find Out Here
General Info
Surface Water
Stormwater
Ground Water
Finance Program
Industrial Discharges to STPs (SIUs)
Biosolids

Treatment Works
Forms & Checklists
Rules & Regs
Permitting, Technical, & Database Info
NJPDES Permit Fees
TWA Application Fees

Division Contacts
Environmental Regulation
NJ Environmental Infrastructure Trust

WHAT'S NEW IN WATER?

- FY2008 Treatment Works Approval Fee Report and Fee Schedule
- **Notice of Rule Proposal** - NJPDES N.J.A.C. 7:14A
- Proposed Fee Rule Changes for Discharge to Groundwater Permits
- Mercury Monitoring Guidance
- Impacts of USEPA Methods Update Rule (MUR) on NJPDES Permittees
- Dental Wastewater Survey
- Other News Items

INDEX BY TOPIC

Select Link
Go

PROGRAM UNITS

Select Link Go

Division of Water Quality
401 East State St.
PO Box 029
Trenton, NJ 08625-0029

Search the Division of Water Quality Web Pages

Enter a key word or phrase to search the water quality site.

search

- Comments or suggestions on the Division of Water Quality's web pages?
Please contact DWQWEB@dep.state.nj.us.

- The Division of Water Quality does not have jurisdiction over Safe Drinking Water, Water Allocation, or Surface Water Quality Standards.

(609) 292-4543
Fax: (609) 984-7938

RWBR WASTEWATER REUSE

Copyright © State of New Jersey, 1996-2005
Department of Environmental Protection
P. O. Box 402
Trenton, NJ 08625-0402

njpdes program

The NJPDES Program protects New Jersey's ground and surface water quality by assuring the proper treatment and discharge of wastewater (and its residuals) and stormwater from various types of facilities and activities. To accomplish this, permits are issued limiting the mass and/or concentration of pollutants which may be discharged into ground water, streams, rivers, and the ocean. The types of regulated facilities can range from very small users such as campgrounds, schools, and shopping centers to larger industrial and municipal wastewater dischargers.

- Surface Water Discharges
- Stormwater and Groundwater Discharges
- Wastewater Residuals Management
- Industrial Discharges to Sewer Plants

Before a new wastewater treatment plant can be constructed, its proposed discharge must be authorized under a NJPDES permit. The permit will contain discharge pollutant limits sufficient to safeguard the integrity of the receiving waterbody. The limits also provide an engineer with the information needed to determine how to design a new treatment plant, or upgrade an existing one.

- Treatment Works Approvals (TWAs)
- Wastewater Financing Programs

Comments or suggestions on the Division of Water Quality's WebPages? Please contact DWQWEB@dep.state.nj.us.

State of New Jersey, 1996-2005
Department of Environmental Protection
P. O. Box 402
Trenton, NJ 08625-0402

DIVISION OF WATER QUALITY ORGANIZATION CHART

Division of Water Quality
Director
Narinder K. Ahuja

Watershed Permitting
Assistant Director
Jeffrey Reading

Point Source Permitting 1
Bureau Chief
Howard Tompkins

Point Source Permitting 2
Bureau Chief
Pilar Patterson

Nonpoint Pollution Control
Bureau Chief
Barry Chalofsky

Pretreatment and Residuals
Bureau Chief
Mary Jo Aiello

Permit Management
Acting Bureau Chief
Pete Patterson

Division of Water Quality
401 East State St.
PO Box 029
Trenton, NJ 08625-0029

(609) 292-4543
Fax: (609) 984-7938

Municipal Finance and Construction
Assistant Director
Stanley Cach

Financing and Construction Permits
Bureau Chief
Gautam Patel

Program Development & Tech Services
Acting Bureau Chief
Stanley Cach

Administration and Management
Bureau Chief
Eugene Chebra

Copyright © State of New Jersey, 1996-2005
Department of Environmental Protection
P. O. Box 402
Trenton, NJ 08625-0402

Last Updated: June 18, 2007

DIVISION OF WATER QUALITY Select Link Program Units

bureau of permit management

Acting Bureau Chief: Pete Patterson
NJDEP-DWQ
Bureau of Permit Management
P.O. Box 029
401 E. State St.
Trenton, NJ 08625-0029
Phone: (609) 984-4428
FAX: (609) 777-0432

The Bureau of Permit Management (BPM) provides information management services and administrative support to the Division of Water Quality.

The bureau manages the Monitoring Report Form (MRF) program, which tracks and assesses dischargers' effluent limit compliance (MRFs include Discharge Monitoring Reports, Waste Characterization Reports, and Residuals Transfer Reports). The bureau assigns permit numbers and performs administrative reviews on all NJPDES permit applications. The bureau also responds to "freedom of information" requests, and compiles data for publication in many department reports.

The bureau also conducts administrative reviews of applications for the Treatment Works Approval (TWA) program. The TWA Review Unit processes general industrial TWAs, administers the Expediated TWA program, the certification of water pollution abatement facilities for the Claim for Tax Exemption, and the Determination of Environmental Benefit of the reuse of further treated effluent in industrial facilities.

In addition, the bureau develops fee assessment methodology and proposes regulations for administering NJPDES permit fees. These fees are summarized in an Annual Fee Report, which includes the program's accomplishments, goals, budgetary information and the fee schedule for permits.

- Questions on production and receipt of MRFs: Contact Debbie Esposti or staff at the number above.
- Questions on NJPDES permit application forms: Contact Pete Patterson or staff at the number above.
- Questions on NJPDES permit annual fees: Contact Mike Dillon or staff at the number above.
- Questions on Electronic Data Interchange (EDI): Contact Julio Collazo or Debbie Esposti by email or at the number above.

▸ **Applications, Forms, and Checklists** - To download documents click here.

▸ **NJPDES Monitoring Report Form Reference Manual** - To download manual click here.

watershed permitting element

Jeffrey Reading,
Assistant Director Phone: (609) 292-9977
FAX: (609) 984-7938
NJDEP, DWQ
Watershed Permitting Element
401 E. State Street
P.O. Box 029
Trenton, NJ 08625-0029

The Watershed Permitting Element (WPE) is responsible for protecting New Jersey's ground and surface water quality by assuring the proper treatment and discharge of wastewater (and its residuals) and stormwater from various types of facilities and activities, including the generation, monitoring, and management of sludge and sludge derived products.

One of WPE's main functions is the issuance of NJPDES permits, which limit the amounts of pollutants discharged into the waters of the state. The NJPDES Program's goals are to:

- restore, enhance, and maintain the chemical, physical, and biological integrity of the waters of the state,
- protect public health and safety,
- protect potable water supplies,
- safeguard fish and aquatic life and scenic and ecological values,
- enhance the domestic, municipal, recreational, industrial, agricultural, and other uses of water, and
- prevent, control, and abate water pollution.

Much of the Program was created in 1972 by the Federal Clean Water Act. The NJPDES Program was delegated to New Jersey by the U.S. Environmental Protection Agency in 1981.

The WPE through the NJPDES program has issued 5233 currently active permits. This includes 255 municipal permits and 422 industrial permits for wastewater discharges to surface water (excluding stormwater only permits). For stormwater discharges, 3387 NJPDES permits (184 - individual, 3203 - general) have been issued, including 675 for the new municipal stormwater program. For ground water discharges, 1034 NJPDES permits have been issued to both municipal and industrial facilities including landfills. The Element has also permitted 74 NJPDES Significant Indirect Users (SIUs). These SIU permits are for facilities (mostly industries) that have a potential to discharge significant quantities of wastewater and/or concentrated pollutants into a sewer system for treatment at a municipal treatment plant. In addition, 61 NJPDES permits have been issued to municipal and private entities for the land application, processing, storage, and distribution of sewage sludges (residuals) and sludge derived products. The WPE also regulates alternative designs of onsite wastewater treatment systems through the issuance of Treatment Works Approvals.

Regulatory Bureaus in the Watershed Permitting Element:

- Bureau of Point Source Permitting Region 1
- Bureau of Point Source Permitting Region 2
- Bureau of Nonpoint Pollution Control
- Bureau of Pretreatment and Residuals

NJPDES Data Management Support:

- Bureau of Permit Management

Comments or suggestions on the Division of Water Quality's WebPages? Please contact DWQWEB@dep.state.nj.us.

contact dep | privacy notice | legal statement

department: water quality home | njdep home | about dep | index by topic | programs/units | dep online
statewide: njhome | my new jersey | people | business | government | departments | search

State of New Jersey, 1996-2005
Department of Environmental Protection
P. O. Box 402
Trenton, NJ 08625-0402

Last Updated: May 16, 2007

bureaus of point source permitting

Region 1

Phone: (609) 633-3869
FAX: (609) 984-7938
Chief: Howard B. Tompkins

Region 2

Phone: (609) 292-4860
FAX: (609) 984-7938
Chief: Pilar Patterson

The Bureaus of Point Source Permitting 1 and 2 regulate facilities discharging domestic and industrial wastewater directly into surface waters of the state as part of the NJPDES program. Permittees include various industries, federal, state, county, and municipal facilities, private companies, private residential developments, hospitals, and schools. Collectively, the facilities regulated by these bureaus serve the wastewater treatment needs of seven million people and hundreds of industries, treating over 15 billion gallons per day of wastewater.

The bureaus also conduct water quality, biological, and toxicological analyses and thermal impact and cooling water assessments.

The regional structure of the two bureaus was established to facilitate watershed permitting. The regional boundaries are based on the state's 20 watershed management areas and 5 water regions. Region 1 includes the Upper Delaware and Passaic regions and the northern portion of the Atlantic Coastal region. Region 2 includes the Raritan and Lower Delaware regions and the southern portion of the Atlantic Coastal region. (Please see the regional watershed map for more information.)

Surface Water Permitting Information

- Surface Water General Permits
- Surface Water Permit Application Forms
- Surface Water Permit Application Checklists
- Common Surface Water Application Deficiencies-Industrial
- Common Surface Water Application Deficiencies-Municipal
- New Jersey Watershed Management Areas
- Water Quality Model (QUAL2E)
- Mercury Monitoring Guidance

NJDEP-DWQ
Bureau of Point Source Permitting
401 E. State Street
P.O. Box 029
Trenton, NJ 08625-0029

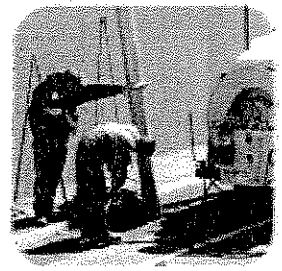
Bureau of Nonpoint Pollution Control

Bureau of Nonpoint Pollution Control
Industrial Stormwater Permitting Program
Municipal Stormwater Regulation Program
Onsite Wastewater Management Program
Discharge to Ground Water Permitting Program
General Permits
Individual Permits

BUREAU OF NONPOINT POLLUTION CONTROL

The Bureau of Nonpoint Pollution Control is a part of the Division of Water Quality. It is responsible for controlling discharges of pollutants to surface water and ground water. The source of these pollutants is stormwater and industrial or sanitary wastewater.

- What's new in Water Regulation
- Visit the NJDEP Bulletin (for up to date permit information)
- Link to educational videos about stormwater pollution
- Now obtain access to Municipal Employee Training Videos provided by the Municipal Stormwater Regulation Program and the Environmemtal Joint Insurance Fund, by clicking here.



Copyright © State of New Jersey, 2007
Department of Environmental Protection
P. O. Box 402
Trenton, NJ 08625-0402

Last Updated: January 9, 2008

bureau of pretreatment and residuals

Chief: Mary Jo Aiello

Phone: (609) 633-3823
FAX: (609) 984-7938

NJDEP-DWQ
Bureau of Pretreatment & Residuals
401 E. State St.
P.O. Box 029
Trenton, NJ 08625-0029

The Bureau of Pretreatment and Residuals (BPR) is responsible for the following activities:

Pretreatment Programs

The Pretreatment Program is intended to protect local agency sewage treatment plants from non-domestic wastewater which may interfere with treatment processes, contaminate sewage sludge, or pass through sewage treatment plants. Pretreatment Programs are administered by the Department and by Delegated Local Agencies.

- **Delegated Local Agency Service Areas:** The Department was delegated the responsibility for the pretreatment program from EPA and has approved 24 local pretreatment programs. BPR oversees the implementation of pretreatment programs by delegated local agencies which issue SIU Permits to their users. The oversight function includes (i) conducting annual audits of the delegated local agency's pretreatment program, (ii) reviewing federal annual reports and state annual reports submitted by delegated local agencies, and (iii) providing technical assistance to delegated local agencies. The audit and the annual report include information on the local agency's treatment plant operations, NJPDES permit compliance, and sludge quality which allows the bureau to determine the pretreatment program's success.
- **Non Delegated Areas:** BPR itself issues NJPDES/SIU permits for discharges into publicly owned treatment works (POTWs) of local agencies that do not have approved pretreatment programs. This function was delegated to New Jersey by the EPA as a component of the state's pretreatment program. These permits take into consideration plant protection, local agency compliance with NJPDES permit(s), and sludge quality criteria.

Go to Industrial Discharges to Sewer Plants

Residuals Management

Wastewater treatment plants receive untreated wastewater (influent) from the surrounding community and, through a series of physical, chemical and biological processes, 1) reclaim water for discharge back into surface or ground waters, and 2) generate residuals (often called sludge, sewage sludge or, when properly treated, biosolids).

The Bureau of Pretreatment and Residuals is responsible for regulating the residuals management activities of domestic and industrial treatment works. The Bureau also regulates certain entities that accept residuals from residuals generators for the purpose of transportation, storage, transfer processing and/or ultimate management. Bureau responsibilities include oversight of New Jersey's Sludge Quality Assurance Regulations, of the Standards for the Use or Disposal of Residuals, and of the Statewide Sludge Management Plan.

Go to Biosolids

Regulatory Citations

The following regulatory citations apply to programs administered by the Bureau of Pretreatment and Residulals:

Pretreatment

- N.J.A.C. 7:14A-19 Pretreatment Program Requirements for Local Agencies
- N.J.A.C. 7:14A-21 Requirements for Indirect Users

Residuals

- N.J.A.C. 7:14A-20 Standards for the Use or Disposal of Residual
- N.J.A.C. 7:14C Sludge Quality Assurance Regulations
- New Jersey Statewide Sludge Management Plan (scroll down to Section K) http://www.nj.gov/dep/dshw/recycle/swmp/ .
- USEPA 40 CFR Part 503

contact dep | privacy notice | legal statement

department: water quality home | njdep home | about dep | index by topic | programs/units | dep online
statewide: njhome | my new jersey | people | business | government | departments | search

State of New Jersey, 1996-2005
Department of Environmental Protection
P. O. Box 402
Trenton, NJ 08625-0402

Last Updated: October 31, 2001

municipal finance and construction element

- The New Jersey Environmental Infrastructure Financing Program
- New Jersey Pinelands Infrastructure Trust Financing Program
- New Jersey Sewage Infrastructure Improvement Act Grants
- The Federal Construction Grants Program
- How Projects Are Prioritized For Funding

Regulatory Bureaus and Units in the Municipal Finance and Construction Element:

- Bureau of Financing and Construction Permits
- Bureau of Administration and Management
- Bureau of Program Development and Technical Services
  - Open Space Land Acquisition Unit

Financing Program Information:

- Municipal Finance Applications
- Clean Water Financing Program: Intended Use Plan and Project Priority Lists
- Finance Program Brochures

Regulations:

- N.J.A.C. 7:22 - Financial Assistance Programs for Environmental Infrastructure Facilities
- N.J.A.C. 7:14 - Water Pollution Control Act

Get Acrobat Reader **Note:** To View the above pdf slideshow you will need a Adobe Acrobat Reader (5.0 or higher). If you do not have Acrobat Reader installed on your computer, Click here to download the current Acrobat Reader.

The Municipal Finance and Construction Element (MF&CE) is responsible for administration of a number of state and federally funded programs for the planning, design, and/or construction of wastewater, drinking water, and stormwater/nonpoint source management programs. These programs are discussed in more detail below. In addition, the MF&CE also administers the Treatment Works Approval (TWA), the Capacity Assurance, the Sewer Ban, and the Combined Sewer Overflow (CSO) programs. The TWA program regulated the construction and operation of wastewater treatment and conveyance systems, while the Capacity Assurance and Sewer Ban programs prevent further pollution by restricting additional sewage flow to non-conforming treatment and conveyance systems.

The New Jersey Environmental Infrastructure Financing Program

The New Jersey Environmental Infrastructure Financing Program (Financing Program) is a revolving loan program administered by the MF&CE, and the New Jersey Environmental Infrastructure Trust (Trust), an independent state financing authority. The Financing Program provides loans to local government units for the construction of wastewater treatment facilities, sludge management systems for wastewater and water treatment systems, combined sewer overflow abatement, stormwater, and other nonpoint source management projects. The financing program also provides loans to both publicly and privately owned drinking water systems for the construction or upgrade of drinking water facilities, transmission and distribution systems, storage facilities, and source development. Funds are made available under the federal Clean Water and Safe Drinking Water Acts and various state bond acts. Since the enactment of the loan program, more than $1.5 billion in state and federal funds have been awarded.

The Financing Program provides zero percent interest rate loans to local government units from the Department for up to half the allowable project costs, and a market rate loan from the Trust for the remaining allowable costs.

In order to be eligible for funding through the Financing Program, projects must be listed on the Project Priority List. Additionally, project sponsors must meet established planning, design and application deadlines as identified in the Priority System, Intended Use Plan and Project Priority List for the applicable funding cycle.

Wastewater and stormwater projects eligible for financial assistance include wastewater treatment plant upgrades or improvements; facilities for the treatment and disposal or beneficial reuse of sewage and water treatment system sludges; collection and conveyance facilities; on-site system rehabilitation; infiltration/inflow correction; combined sewer overflows; and interconnection/cross-connection abatement projects. Also eligible are stormwater/nonpoint source management projects (e.g., stormwater basins, equipment purchases, streambank stabilization), landfill closure and new cell construction, land acquisition and conservation, remedial action activities, well sealing, and others.

Drinking water projects eligible for financial assistance are those that address Safe Drinking Water Act health standards or replace aging infrastructure to maintain compliance or further the public health protection goals of the Act. Examples of these include projects to: rehabilitate existing or develop new sources to replace contaminated sources; install or upgrade treatment facilities-if the project would improve the quality of drinking water to comply with primary or secondary drinking water standards; install or upgrade storage facilities-including finished water reservoirs, to prevent microbiological contaminants from entering the water system; install or replace transmission and distribution pipes to prevent contamination caused by leaks or breaks in the pipe, or improve water pressure to safe levels.

New Jersey Pinelands Infrastructure Trust Financing Program

Established by the Pinelands Infrastructure Trust Bond Act of 1985, the Program provides funding for infrastructure projects needed to accommodate existing and future needs in the 23 designated Pinelands Regional Growth Areas. Funding is available for the construction of new collection systems, interceptors, and the expansion/upgrade of wastewater treatment facilities. Projects certified under this program generally receive a grant for 40 percent of the allowable project costs and a loan for 20 percent of the allowable project costs from the Department. Loans for the remaining project costs may also be received from the Trust.

New Jersey Sewage Infrastructure Improvement Act Grants

The New Jersey Sewage Infrastructure Improvement Act establishes comprehensive requirements for the Department and municipalities/authorities to address combined sewer overflows and stormwater management. The Department provides grants for planning and design for up to 90 percent of the costs involved for combined sewer overflow control projects throughout the state to eliminate dry weather overflows and to control the discharge of solids and floatables from combined sewers. In addition, the correction of interconnections/cross-connections in stormwater systems located in Atlantic, Cape May, Ocean and Monmouth counties are also eligible. Loans for the construction of these projects are available through the Environmental Infrastructure Financing Program.

The Federal Construction Grants Program

Since the enactment of the Federal Water Pollution Control Act of 1972 (commonly referred to as the Clean Water Act), more than $2.7 billion in federal funds has been awarded for the construction of municipal wastewater treatment facilities in the State of New Jersey. The Construction Grants Program, created under the provisions of the Clean Water Act, has resulted in major improvements to the state's wastewater treatment facilities and overall water quality.

The Water Quality Act of 1987 phased out the Construction Grants Program and required states to establish a State Revolving Fund (SRF) Loan Program. The last year in which construction grants were made for new projects in New Jersey was 1989. Grant awards are available currently to cover increased allowable costs for projects that previously received a

construction grant.

How Clean Water Projects Are Prioritized For Funding

To decide which clean water projects get funded, a priority system was created. The system, which was first developed in 1982, is constantly evolving. Historically, the state's highest priority was to upgrade primary treatment plants to achieve secondary levels, thereby significantly reducing pollutant discharges. With the elimination of primary facilities in New Jersey, the primary discharge category has been deleted from the priority system-a major milestone that signals progress is being made under the state's financing programs. The state's highest priority wastewater needs now include combined sewer overflows (CSOs) and major pipe rehabilitation to stop discharges of raw sewage. These types of problems are frequently found in older urban areas, where pollution impacts streams and rivers near large population centers and where the cost to correct these problems is a serious concern. Priority is also placed on projects in coastal areas, where pollution impacts from outdated sewage treatment and conveyance systems can harm the shore environment and the tourism industry.

To prioritize wastewater projects under the Environmental Infrastructure Financing Program, the division uses a point system, which ranks projects based on the nature of the wastewater problem. In addition, projects discharging to surface waters receive points that reflect the existing uses of the waterway. These uses include drinking water supplies, boating, fishing, swimming, and water used for industrial or agricultural purposes. The point values reflect the relative priority of the water uses, with drinking water and recreational uses being the highest priorities. Points are also given to projects that would eliminate failing septic systems, a public health threat.

Finally, projects receive points that correlate with an area's existing water quality when compared with the Department's water quality standards. The more polluted an area is, the higher the ranking points it receives.

After a project's discharge, water use, and water quality points have been compiled, it is placed on a priority list in rank order. In the case of a tie, areas designated by the State Planning Commission receive highest priority and, if still tied, the higher priority is given to the project that serves the greater number of people.

Funding from the Environmental Infrastructure Financing Program is made available to projects in the order they appear on the list. While a project's rank is important, a lower ranked project may still be able to secure financing if it meets planning, design, and loan application dates, or, if sufficient monies are not available, it may be able to receive "pre-award approval" to start construction and receive loans for reimbursement of costs in a future year.

How Drinking Water Projects Are Prioritized For Funding

The drinking water priority system reflects Congress's intent that States must give maximum priority to 1) projects needed for Safe Drinking Water Act compliance, 2) projects that provide the greatest protection to public health, and 3) projects which assist systems most in need on a per household basis. States must develop a priority list that reflects this intent and to fund projects in this order, to the maximum extent practicable.

The principal elements of the Priority System are: compliance and public health criteria, approved drinking water infrastructure plan, conformance with the New Jersey State Development and Redevelopment Plan, and affordability. In the case of a tie, projects are assigned points based on the permanent population of the water system area.

Priority points are based upon several different subject categories. However, to be eligible for ranking, a project scope must include the actual repair, rehabilitation, correction of a problem, or an improvement clearly related to compliance and public health criteria. Any points assigned from the remaining categories are added to the points received in this category.

Due to the annual addition of new projects to the Project Priority List, or to periodic revisions to the Priority System, individual project rankings may change annually. Projects including multiple elements, are listed separately by the elements involved, with priority points being assigned for each element.

A prospective applicant must notify the Department of any changes to project scope or any other circumstance that may affect the calculation of priority points. The Department would then recalculate, if appropriate, the prospective applicant's ranking utilizing the new information submitted and revise the priority ranking accordingly.

Funding from the Environmental Infrastructure Financing Program is made available to projects in the order they appear on the priority list. While a project's rank is important, a lower ranked project may still be able to secure financing if it meets planning, design, and loan application dates. If sufficient monies are not available, it may be able to receive 'pre-award' approval to start construction and receive loans for reimbursement of costs in a future year.

Stanley V. Cach, Jr., PE, PP, Assistant Director
Phone: (609) 292-8961
FAX: (609) 633-8165

NJDEP, DWQ, Municipal Finance & Construction Element
401 E. State Street
P.O. Box 425
Trenton, NJ 08625-0425

contact dep | privacy notice | legal statement

department: njdep home | about dep | index by topic | programs/units | dep online
statewide: njhome | my new jersey | people | business | government | departments | search

Copyright © State of New Jersey, 1996-2005
Department of Environmental Protection
P. O. Box 402
Trenton, NJ 08625-0402

Last Updated: September 26, 2007

bureau of financing and construction permits

Phone: (609) 984-6840
Fax: (609) 633-8165
Chief: Gautam Patel

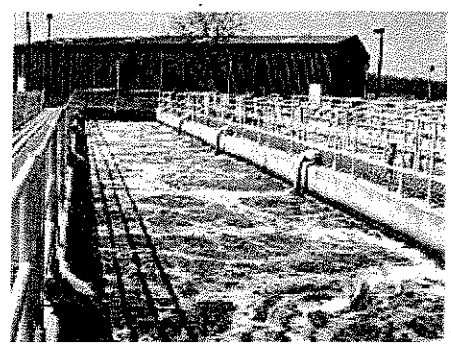
Engineering Section South
Steve Betz - Section Chief
(609) 633-1169
Fax: (609) 633-8165
(Serving Atlantic, Burlington, Camden, Cape May, Cumberland, Gloucester, Mercer, Monmouth, Ocean, and Salem Counties)

Engineering Section North
William Machotka, P.E. - Section Chief
(609) 292-3025
Fax: (609) 633-8165
(Serving Hunterdon, Morris, Somerset, Sussex, and Warren Counties)

Engineering/CSO Section
Shadab Ahmad, P.E. - Section Chief
(609) 292-5563
Fax: (609) 633-8165
(Serving Bergen, Essex, Hudson, Middlesex, Passaic, and Union Counties)

▶ Planning and Design Activities
▶ Capacity Assurance Program
▶ Combined Sewer Overflow
▶ Sewer Bans
▶ Treatment Works Approvals
▶ Sewer Ban Exemptions

The Bureau of Financing and Construction Permits has overall engineering (planning, design, and construction) responsibility for ensuring all projects meet the requirements of the Environmental Infrastructure Financing Program (EIFP) and various State-only programs. The bureau also administers the Treatment Works Approval, Capacity Assurance, Sewer Ban, and the Combined Sewer Overflow General Permitting Programs.



Funding Program Responsibilities

The bureau assists project sponsors on an individual basis through the preplanning, planning, design and construction phases of each project. This ensures they obtain the desired financial assistance at the earliest possible time to advance water quality improvement objectives.

▶ PLANNING AND DESIGN ACTIVITIES

The Engineering Sections assist municipalities with planning and design of municipal wastewater treatment and conveyance facilities, combined sewer corrective actions, as well as stormwater/nonpoint source management projects. The Engineering Sections also assists publicly and privately owned drinking water systems with planning and design for construction and upgrade of drinking water facilities, transmission and distribution systems, storage facilities and source development. The section conducts preplanning and predesign meetings with prospective applicants and consulting engineers. The section provides appropriate guidance to loan and grant applications and consulting engineers for the preparation of technically acceptable planning and design documents, in accordance with associated rules and regulations.

North Contact Person: William Machotka , P.E., Section Chief, (609) 292-3025

South Contact Person: Steven Betz, Section Chief, (609) 633-1169

CSO Contact Person: Shadab Ahmad, P.E., Section Chief, (609) 292-5563

In addition to the EIFP, the largest financing program administered, which includes significant state and federal sources of funds, the bureau performs the same function for projects funded by the Federal Grants Program, Pinelands Infrastructure Financing Program, Sewage Infrastructure Improvement Act Program, and State 8% Matching Loan Program.

- Municipal Finance Applications
- Wastewater Financing

TREATMENT WORKS APPROVALS

The Treatment Works Approval (TWA) program regulates the construction and operation of domestic wastewater collection, conveyance and treatment facilities, including treatment plants, pumping stations, interceptors, sewer mains and other collection, holding and conveyance systems. The program is aimed at protecting the waters of the state by preventing the entry of increased pollutants from inadequate facilities. The administrative and technical requirements of the TWA program are stipulated in N.J.A.C. 7:14A-22 and 23, respectively. The TWA program is subject to the provisions of the 90-Day Rule (N.J.A.C. 7:1C-1 et seq.).

North Contact Person: James Pontoriero, Supervisor, (609) 292-3025

South Contact Person: Tracy Shevlin, P.E., Supervisor, (609) 633-1169

- TWA Application Forms
- TWA Application Checklists
- Common TWA Application Deficiencies
- Go to TWA Page

COMBINED SEWER OVERFLOW (CSO) PROGRAM

The CSO Control Program regulates combined sewer systems (CSS) and their corresponding combined sewer overflow points (CSO) through the issuance of NJPDES permits. The program's objectives are to bring these CSSs and CSOs into compliance with the technology and water quality based requirements of the Clean Water Act as defined in the National CSO Control Policy.

Contact Person: Shadab Ahmad, P.E., Section Chief, (609) 292-5563

CAPACITY ASSURANCE PROGRAM

The Capacity Assurance Program assesses how a treatment plant owner will prevent a plant from exceeding its permitted design flow capacity. This program is required when a treatment plant's actual and permitted flows exceed 80 percent of the permitted design capacity.

North Contact Person: James Pontoriero, Supervisor, (609) 292-3025

South Contact Person: Tracy Shevlin, P.E., Supervisor, (609) 633-1169

Go to Capacity Assurance Program.

SEWER BANS

The sewer ban program requires the imposition of sewer connection bans for treatment plants failing to meet their NJPDES effluent discharge limitations, or conveyance systems that do not have adequate conveyance capacity. A moratorium may also be imposed on treatment plants when the sum of existing wastewater flows and the flows allocated to approved projects (that are not yet operational), has reached 100 percent of the plant's permitted capacity.

The purpose of the sewer ban program is to limit further pollution by restricting additional sewage flow to the non-conforming treatment works.

North Contact Person: James Pontoriero, Supervisor, (609) 292-3025

South Contact Person: Tracy Shevlin, P.E., Supervisor, (609) 633-1169

Go to Sewer Ban Program.

SEWER BAN EXEMPTIONS

The Sewer Ban Exemption program, administered in conjunction with the Sewer Ban program, allows projects that meet specific criteria to be exempted from a sewer ban.

North Contact Person: James Pontoriero, Supervisor, (609) 292-3025

South Contact Person: Tracy Shevlin, P.E., Supervisor, (609) 633-1169

Sewer Ban Exemption Application

NJDEP-DWQ
Bureau of Financing and Construction Permits
401 E. State Street
P.O. Box 425
Trenton, NJ 08625-0425

contact dep | privacy notice | legal statement

department: njdep home | about dep | index by topic | programs/units | dep online
statewide: njhome | my new jersey | people | business | government | departments | search

Copyright © State of New Jersey, 1996-2004
Department of Environmental Protection
P. O. Box 402
Trenton, NJ 08625-0402

Last Updated: August 20, 2007

bureau of program development and technical services

Acting Chief: Stanley Cach
Phone: (609) 292-3859
FAX: (609) 633-8165

NJDEP-DWQ
Bureau of Program Development & Technical Services
401 E. State St.
P.O. Box 425
Trenton, NJ 08625-0425

Technical Services Section

The Technical Services Section performs environmental and cultural resource impact assessments for the planning and design of projects pursuing financing under any of the programs administered by the Municipal Finance and Construction Element. This ensures projects receiving financing are environmentally acceptable and in compliance with necessary state and applicable federal laws. Project reviewers summarize project conditions, anticipated environmental impacts and necessary mitigating measures in an Environmental Decision Document. Assistance is provided to address environmental concerns during the construction phase on an as-needed basis.

The section also reviews Wastewater Management Plans and Water Quality Management Plan Amendments to ensure consistency between these plans and those developed under the financing programs.

Further, the section processes Environmentally Sensitive Area (ESA) grant condition mapping revision/waiver requests to determine whether building on impacted lots can be authorized in areas subject to the federal grant conditions or requires referral to the EPA for final determination.

For additional information, please contact Anthony Puniello, Ph.D, Acting Section Chief, at (609) 633-1170.

Office of Program Development

This office develops and finalizes the element's annual Priority System, Intended Use Plan, Priority List, and Response Documents.

The office is also responsible for the preparation of the State Revolving Fund (SRF) Capitalization Grant applications and SRF Annual Reports, coordination with EPA in negotiating grants, preparation of financing program rule proposals/adoptions, and the preparation of various communications documents such as press releases and advisories. For additional information, please contact Scott Shymon at (609) 292-3859.

Open Space Acquisition Unit

The Open Space Land Acquisition Unit works together with municipalities, sewerage and utility authorities, and other local government units for the purpose of providing low cost loans for open space land acquisition and conservation for passive purposes (hiking, cross country skiing, horseback riding, etc.). Each parcel or portion of a parcel to be funded through the Environmental Infrastructure Financing Program must demonstrate a water quality benefit. This funding can be used to fully fund the purchase or as a supplemental funding source to the Green Acres For additional information, please contact Scott Shymon at (609) 292-3859.

bureau of administration and management

Chief: Eugene J. Chebra, P.E.
Phone: (609) 633-1208
FAX: (609) 633-8165

NJDEP - DWQ
401 East State Street
P.O. Box 425
Trenton, NJ 08625

Administration Section

Vacant, Section Chief

This section monitors the financial integrity for the following programs: New Jersey Environmental Infrastructure Financing Program (NJIFP) which includes federal and state bond act monies, the Pinelands Infrastructure Fund, and the Sewage Infrastructure Improvement Act Program (SIIAP). This section is also responsible for maintaining a continuous cash flow to recipients by reviewing interim and final payments, conducting interim and final accounting system reviews and assisting the recipient in the overall financial management of the project.

Program Contact: William Datz, or David Shu, P.E.,(609) 633-1208
NJIFP and SIIAP Application Forms

Construction Control Section

William P. Machotka , P.E., Section Chief, (609) 633-1180

The Construction Section assures the integrity of the construction and initial operational phases of projects funded through The New Jersey Environmental Infrastructure Financing Program, The Pinelands Infrastructure Fund, Applicable Federal Grants and The Sewerage Infrastructure Improvement Act program. The section assists both public and private funded entities. The section insures all program requirements are complied with during the construction of funded projects by monitoring construction, payment, engineering and administrative activities. The section conducts inspections of funded projects to effectively monitor the construction phase to ensure that projects are being properly constructed in accordance with the approved plans and specifications and all State and Federal requirements. The section also ensures facilities achieve their designed benefit during initial operation. The section also assists with contract disputes and changes. The unit certifies payment requests are for work which has been acceptably completed and also performs loan adjustments and technical review of construction contract change orders to ensure projects are technically sound and in compliance with all State and federal requirements.

North Contact Person: Paul Hauch, Supervisor, (609) 633-1180

South Contact Person: Robert Hopkins , Supervisor, (609) 292-3025

New Jersey Pollutant Discharge Elimination System (NJPDES)

DIVISION: Water Quality – Watershed Permitting Element

GENERAL PHONE NUMBER: (609) 292-4543 **FAX NUMBER:** (609) 984-7938

WEB ADDRESS: **www.nj.gov/dep/dwq**

PROGRAM DESCRIPTION:

The NJPDES Permitting Program protects New Jersey's ground and surface water quality by assuring the proper treatment and discharge of wastewater and stormwater from various types of facilities and activities. This includes the generation, monitoring, and management of residual (commonly known as sludge) and residual derived products. It is unlawful for any person to discharge to surface water any pollutant, except in conformance with a valid NJPDES Discharge to Surface Water (DSW) permit. Dischargers to ground water that exceed 2,000 gallons per day are required to get a NJPDES Discharge to Ground Water (DGW) permit.

A NJPDES permit may be an individual permit tailored to a specific facility or an authorization under a general permit covering a group of similar facilities. The NJPDES program permit universe is greater than 5,200 individual permits and general permit authorizations. The program also regulates stormwater discharges at over 4,000 construction sites throughout the state in cooperation with local Soil Conservation Districts.

The Pretreatment Program protects local agency sewage treatment plants from non-domestic wastewater which may interfere with treatment processes, contaminate sewage sludge, or pass through sewage treatment plants. The division has approved local pretreatment programs at delegated local agencies (DLAs) that operate the larger municipal wastewater treatment plants in the state. The division oversees the implementation of pretreatment programs by DLAs, which issue NJPDES Significant Indirect User (SIU) permits in their systems. For areas of the state not serviced by a DLA, the division issues the SIU permits.

PERMITTING RESPONSIBILITIES:

1. DSW permits (municipal/domestic and industrial)
2. Stormwater Permits (municipal and industrial)
3. DGW permits (including the Underground Injection Control Program)
4. SIU permits (addressing indirect discharges of non-domestic wastewater to municipal sewer systems)
5. Residual permits (such as land application of sewage sludge, food processing wastes and potable water residual)

Treatment Works Approval

DIVISION: Water Quality - Municipal Financing & Construction Element

GENERAL PHONE NUMBER: (609) 984-6840 **FAX NUMBER:** (609) 633-8165

WEB ADDRESS: www.nj.gov/dep/dwq/twa.htm

PROGRAM DESCRIPTION:

This program governs the Treatment Works Approval (TWA), the Capacity Assurance Program (CAP) and the Sewer Ban Programs. The primary objective of these programs is to prevent degradation of the water of the state due to inadequately designed and/or poorly operated wastewater treatment and conveyance facilities. The TWA program regulates the construction and operation of domestic and industrial wastewater collection, conveyance and treatment systems. In general, TWA permits are required for building, installing, operating or modifying domestic and industrial treatment works including sewer extensions, sewage treatment systems, holding tanks, equalization tanks, residual treatment units and wastewater treatment and recycling systems.

The CAP is a regulatory tool by which the department and the affected treatment works owner/operator use a cooperative effort approach to assure future capacity at treatment facilities to enable continued growth in the service area communities. When the committed flow to a treatment works reaches 80 percent of permitted capacity, a CAP is instituted. This requires the exploration of measures that can be taken to assure future capacity. Through discussion and implementation of these measures, future capacity can be assured and an overload of the facility, which can lead to violations of discharge limits and penalties, can be avoided.

The Sewer Ban program is a means by which additional pollution from severely malfunctioning and/or overloaded facilities is prevented. The effect of a sewer connection ban is that no additional flow can be introduced into the treatment works, unless a sewer ban exemption is granted. This ban is in effect until the plant or conveyance facilities are again in compliance.

PERMITTING RESPONSIBILITIES:

This program reviews TWA applications to ensure that the design of the wastewater infrastructure associated with a proposed project complies with departmental regulations. For projects that are subject to the TWA regulations, a TWA permit is required prior to initiation of construction of a project. A TWA permit is issued to those projects that meet the standards.

To obtain a sewer ban exemption, an applicant would determine if their project qualifies under at least one of the sewer ban exemption criteria stated in N.J.A.C. 7:14A-22.22. If the criteria is met, an "Application for Exemption From a Sewer Connection Ban" (Form WFR-001) must be submitted, along with any supporting documentation to the public entity under ban for their approval. If approved by the public entity, the application is then submitted to this office for the department's concurrence

For those projects located in an area subject to a sewer ban, the project would be required to obtain a sewer ban exemption prior to issuance of a TWA.

Municipal Stormwater Regulation

DIVISION: Water Quality - Watershed Permitting Element

GENERAL PHONE NUMBER: (609) 633- 7021 **FAX NUMBER:** (609) 984-2147

WEB ADDRESS: **www.state.nj.us/dep/dwq/msrp_home.htm**

PROGRAM DESCRIPTION:

The program was developed in response to the U. S. Environmental Protection Agency's Phase II rules published in December 1999. The department issued final stormwater rules on February 2, 2004 and four NJPDES general permits authorizing stormwater discharges from Tier A and Tier B municipalities, as well as public complexes, and highway agencies that discharge stormwater from municipal separate storm sewers (MS4s). There are 462 Tier A municipalities and 100 Tier B municipalities.

The general permits address stormwater quality issues related to new development, redevelopment and existing development by requiring municipalities to implement a number of Statewide Basic Requirements (SBRs). All municipalities have a local stormwater coordinator and the department has case managers assigned to each municipality for compliance assistance (see below).

PERMITTING RESPONSIBILITIES:

The program issues the Tier A and Tier B Municipal Stormwater General Permits to regulated municipalities and provides technical assistance and outreach. Municipal program case managers are assigned to all municipalities within the respective county and may be reached through our office.

Onsite Wastewater Management

DIVISION: Water Quality - Watershed Permitting Element

GENERAL PHONE NUMBER: (609) 292-0407 **FAX NUMBER:** (609) 984-2147

WEB ADDRESS: www.state.nj.us/dep/dwq/owmp_main.htm

PROGRAM DESCRIPTION:

The Bureau of Non-point Pollution Control (BNPC) is responsible for the location, design, construction and installation of onsite wastewater treatment systems that discharge less then 2,000 gallons per day of sanitary sewage. The bureau provides oversight to boards of health and local health departments through the "Standards for Individual Subsurface Sewage Disposal Systems" (N.J.A.C. 7:9A- Chapter 199). The bureau also offers significant outreach to health departments and citizens to ensure that onsite systems are properly constructed and maintained in order to protect the quality of our state's ground water.

PERMITTING RESPONSIBILITIES:

The BNPC is responsible for reviewing and approving or denying Alternate Design Septic System Treatment Works Approval applications. These permits are required before a local health department can issue a construction approval for a septic system that does not conform to the regulations "Standards for Individual Subsurface Sewage Disposal Systems."

NJPDES Program Legal Authorities

Federal

33 U.S.C. 1251 et seq. Clean Water Act
42 U.S.C. 300F et seq. Safe Drinking Water Act
42 U.S.C. 6901 et seq. Solid Waste Disposal Act

State

N.J.S.A. 58:10A-1 et seq. New Jersey Water Pollution Control Act
N.J.S.A. 58:11A-1 et seq. Water Quality Planning Act
N.J.S.A. 58:11-49 et seq. Pretreatment (no official title)
N.J.S.A. 58:10-23.11 et seq. Spill Compensation and Control Act
N.J.S.A. 58:11-64 et seq. Water Supply and Wastewater Operator's Licensing Act
N.J.S.A. 13:1D-1 et seq. DEP Act of 1970
N.J.S.A. 13:1E-1 et seq. Solid Waste Management Act
N.J.S.A. 58:4A-4.1 et seq. Subsurface and Percolating Waters Act
N.J.A.C. 7:9-9.1 et seq. Sealing of Abandoned Wells
N.J.S.A. 58:12A-1 et seq. Safe Drinking Water Act
N.J.S.A. 58:25-23 et seq. Sewage Infrastructure Improvement Act
N.J.A.C. 7:9A - Standards for Individual Subsurface Sewage Disposal Systems
N.J.A.C. 7:9B - New Jersey Surface Water Quality Standards
N.J.A.C. 7:9C - New Jersey Ground Water Quality Standards
N.J.A.C. 7:14 - Water Pollution Control Act
N.J.A.C. 7:14A - New Jersey Pollutant Discharge Elimination System (NJPDES)
N.J.A.C. 7:14C - Sludge Quality Assurance Regulations (SQAR)
N.J.A.C. 7:15 - Water Quality Management Planning
N.J.A.C. 7:22A - Sewage Infrastructure Improvement Act Grants
N.J.A.C. 7:1C - 90-Day Construction Permits