



State of New Jersey

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DEPARTMENT OF ENVIRONMENTAL PROTECTION
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Division of Water Quality
Bureau of Ground Water, Residuals, and Permit Administration
P.O. Box 420 – 401 E State St
Trenton, NJ 08625-0420
Phone: (609) 984-4428
www.state.nj.us/dep/dwq/

April 25, 2024

Re: **DRAFT NJPDES DGW MASTER GENERAL PERMIT - NEW**
Category: GWSD - Discharge to Ground Water - Sanitary Discharges
NJPDES Permit No.: NJ0309672; Program Interest No. 50577
NJPDES Master General Permit Program Interest
Statewide

Dear Interested Parties:

Enclosed is the draft New Jersey Pollutant Discharge Elimination System (NJPDES) permit action identified above which has been issued in accordance with N.J.A.C. 7:14A.

Notice of this draft permit action will appear in The Times of Trenton, The Star-Ledger, The Press of Atlantic City and in the May 1, 2024 DEP Bulletin. The DEP Bulletin is available on the internet at <http://www.state.nj.us/dep/bulletin>. In accordance with N.J.A.C. 7:14A-15.10(c)l.i, the public comment period will close thirty days after the last newspaper publication. The procedures for submitting comments or requesting a public hearing on this draft action are detailed in the enclosed public notice.

If you have questions or comments regarding the draft action, please contact Gina Talamo of my staff at gina.talamo@dep.nj.gov.

Sincerely,

Kerri Standowski, Environmental Specialist 3
Ground Water Permitting and Onsite Unit
Bureau of Ground Water, Residuals, and Permit Administration

Enclosures

c: Permit Distribution List

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List of Acronyms

BEEP	Bureau of Environmental Engineering and Permitting
BGRPA	Bureau of Ground Water, Residuals and Permit Administration
BOD	Biological Oxygen Demand
COD	Chemical Oxygen Demand
DCL	Design Criteria Level
DGW	Discharge to Ground Water
DMR	Discharge Monitoring Report form
EDP	Effective Date of Permit
EDPA	Effective Date of Permit Authorization
FOG	Fats, Oils and Grease
GWSD	Discharge to Ground Water – Sanitary Discharges
GP	General Permit
GWQS	Ground Water Quality Standards
MG/L	Milligrams per Liter
ML	Milliliters
MRF	Monitoring Report Form
N.J.A.C.	New Jersey Administrative Code
N.J.S.A.	New Jersey Statutes Annotated
NJDEP	New Jersey Department of Environmental Protection
NJPDES	New Jersey Pollutant Discharge Elimination System
NSF	National Sanitation Foundation
O&M	Operation and Maintenance
RFA	Request For Authorization
RL	Reporting Limit
TSS	Total Suspended Solids
TWA	Treatment Works Approval
UG/L	Micrograms per Liter
UIC	Underground Injection Control
UV	Ultraviolet
VOC	Volatile Organic Compounds
WCR	Wastewater Characterization Report

New Jersey Department of Environmental Protection
Division of Water Quality
Bureau of Ground Water, Residuals, and Permit Administration

PUBLIC NOTICE

Notice is hereby given that the New Jersey Department of Environmental Protection (Department or NJDEP) proposes to issue a new Ground Water Master General Permit under New Jersey Pollutant Discharge Elimination System (NJPDES) Discharge to Ground Water Permit No. NJ0309672 in accordance with N.J.A.C. 7:14A, and by authority of the Water Pollution Control Act at N.J.S.A. 58:10A-1 for the following discharge:

Applicant or Permittee:

NJPDES Master General Permit
Discharge Category GWSD
Per Individual Notice of Authorization

Facility:

NJPDES Master General Permit
Discharge Category GWSD
Per Individual Notice of Authorization

This action is a new Master General Permit (NJ0309672) for Ground Water Sanitary Discharges (Category GWSD). Eligibility for this permit includes facilities where the aggregate volume of sanitary wastewater on the property is greater than 2,000 gallons per day (gpd) but less than or equal to 20,000 gpd, as calculated pursuant to N.J.A.C. 7:9A-7.4.

The group of dischargers eligible for this general permit are categorized as facilities with sanitary discharges to Individual Subsurface Sewage Disposal Systems. These types of facilities involve the same or substantially similar operations with respect to the nature of the discharge activity and the type of waste discharged. This category of facilities engages in similar disposal practices, requires the same operating conditions and standards for disposal, and requires the same monitoring and/or inspections of the system as a first defense against the threat to human health and the environment. The Department has determined that this group of dischargers is more appropriately controlled under a general permit than under separate, individual permits, which is consistent with N.J.A.C. 7:14A-6.13(b)4.

This new draft NJPDES Master General Permit has been prepared on the administrative record filed at the NJDEP, 401 East State Street, Trenton, New Jersey 08625. Copies of the draft document are obtainable, for a nominal charge, and the administrative record is available for inspection by appointment only, Monday through Friday. If you are interested in scheduling an appointment or requesting specific information regarding the draft document, please contact the Bureau of Ground Water, Residuals, and Permit Administration staff at dwq_groundwater@dep.nj.gov.

Written comments must be submitted by certified mail (return receipt requested), or by other means which provides verification of the date of delivery to the Department to Attention: Comments on Public Notice NJPDES Permit No. NJ0309672, Mail Code 401-02B, Bureau of Ground Water, Residuals, and Permit Administration, P.O. Box 420, Trenton, NJ 08625-0420. Comments shall be submitted by the close of the public comment period, which closes thirty (30) calendar days after the last newspaper publication. Comments submitted via e-mail to dwq_groundwater@dep.nj.gov will also be accepted by the Department. All persons who believe that any condition of this draft document is inappropriate or that the Department's decision to issue this draft document is inappropriate, must raise all reasonable arguments and factual grounds supporting their position, including all supporting materials, during the public comment period.

The Department will respond to all significant and timely comments upon issuance of the final permit decision. Each person who has submitted written comments or requested notice will receive notice of the Department's permit decision.

New Jersey Department of Environmental Protection
Division of Water Quality
Bureau of Ground Water, Residuals, and Permit Administration
401 East State Street, Trenton, NJ 08625

FACT SHEET

Permit Action: New Ground Water Master General Permit

Category: GWSD – Ground Water Sanitary Discharges (GP)

1 Description of the Master General Permit:

This is a new Master General Permit (NJ0309672) for Ground Water Sanitary Discharges (Category GWSD). Eligibility for this permit is limited to facilities which discharge sanitary sewage to ground water via an individual subsurface sewage disposal system(s) where the aggregate daily design flow for the property is greater than 2,000 gallons per day (gpd) but less than or equal to 20,000 gpd, as calculated pursuant to N.J.A.C. 7:9A-7.4. Any single-family home(s) on the property served by their own individual subsurface sewage disposal system shall be excluded from the calculation of aggregate daily design flow.

Individual subsurface sewage disposal systems are commonly known as septic systems. Septic systems are designed to treat and dispose of sanitary wastewater. A typical septic system has four main components: a pipe from the building where sanitary sewage is generated (building sewer); a solids settling tank, otherwise known as a septic tank; a disposal unit in the form of either a seepage pit or disposal field; and soil for infiltration to the ground. The sanitary sewage flows from the building to the septic tank where solids are settled out. After settling has occurred, and the septic tank reaches a certain capacity, the sanitary wastewater flows from the septic tank to the seepage pit or disposal field. Here, the sanitary wastewater is dispersed and infiltrates the ground, further treating and disposing of the wastewater before reaching the ground water.

2 Description of Eligible Facilities:

This New Jersey Pollutant Discharge Elimination System - Discharge to Ground Water (NJPDES-DGW) Master General Permit (NJ0309672) is issued in accordance with NJPDES Regulations, N.J.A.C. 7:14A-1 *et seq.* and authorizes the discharge of sanitary sewage to ground water by facilities which are served by septic systems. For the purposes of this permit, a sanitary discharge means sanitary sewage discharged from a dwelling or other establishment having a daily design flow that exceeds 2,000 gpd but does not exceed 20,000 gpd. Total daily volume of sanitary sewage is calculated in accordance with N.J.A.C. 7:9A-7.4.

Sanitary sewage is defined at N.J.A.C. 7:14A-1.2 and means any liquid waste containing animal or vegetable matter in suspension or solution, or water carried wastes resulting from the discharge of water closets, laundry tubs, washing machines, sinks, dishwashers or any other source of water carried wastes of human origin or containing putrescible material. This term specifically excludes industrial, hazardous or toxic wastes and materials. Any discharge resulting from activities other than those described is prohibited.

Any discharges associated with non-sanitary waste are not eligible for authorization under this general permit.

Facilities discharging to septic systems, including septic tanks discharging to seepage pits, septic tanks discharging to disposal fields or other septic systems may qualify for this permit. This could include those septic systems that were issued a local approval in accordance with the Standards for Individual Subsurface Sewage

Disposal Systems, N.J.A.C. 7:9A, or its regulatory precursors. Existing systems that are not malfunctioning may continue to be utilized, provided that they meet the requirements of this permit. Any system that is malfunctioning and needs to be replaced will require the issuance of a Treatment Works Approval (TWA) from the Department. It is important to note that cesspools are not systems. Thus, existing cesspools, regulated under this permit, shall be replaced with a new system when their existence is discovered.

The Department recognizes that, in certain instances, activities regulated under this permit may be located on the same property as a single-family home. Systems serving one single-family home on one individual property with a design flow of less than 2,000 gallons per day are exempt under N.J.A.C. 7:14A-7.4(a)l, N.J.A.C. 7:14A-8.1(b)2ii and N.J.A.C. 7:9A-3.10(a) from NJPDES-DGW and Underground Injection Control requirements and is therefore outside the scope of this permit. Such systems must be designed, constructed, installed, and operated in compliance with N.J.A.C. 7:9A and are typically regulated by local health departments.

The flow from single-family home(s) served by their own individual subsurface sewage disposal system(s) shall be excluded from the design volume for determination of permit applicability. Such discharges are regulated by the local administrative authority (i.e., local health department). See Part II C.1.a.i.

The flow from a single-family home(s) shall be included in the design volume for determination of permit applicability under the following circumstances:

1. The flow from the single-family home is directed to a combined system that also captures flow from other regulated activities onsite;
2. The flow from the single-family home is directed to a combined system that also captures flow from one or more additional single-family homes on the property; or
3. The design volume for the system serving the single-family home is greater than 2,000 gpd.

If the calculated flow from a facility is 2,000 gpd or less, but the property includes a single-family home(s) that pushes the aggregate flow on the property over 2,000 gpd, a NJPDES permit for Discharges to Ground Water is not required when the single-family home is on its own system and does not fall within the three circumstances for inclusion in the design volume for permit applicability as described above. In this instance, the property would fall under the jurisdiction of the local administrative authority.

New or expanding facilities with a proposed disturbance within environmentally sensitive areas, as detailed in Part II C.2.e, are not eligible for this permit.

This general permit does not address, and is not an approval of, any past activity which was conducted at the site that has or may have adversely affected the ground waters of the State.

3 General Eligibility Criteria:

The group of dischargers eligible for this general permit are categorized as facilities with sanitary discharges to Individual Subsurface Sewage Disposal Systems. These types of facilities involve the same or substantially similar operations with respect to the nature of the discharge activity and the type of waste discharged. This category of facilities engages in similar disposal practices, requires the same operating conditions and standards for disposal, and requires the same monitoring and/or inspections of the system as a first defense against the threat to human health and the environment. The Department has determined that this group of dischargers is more appropriately controlled under a general permit than under separate, individual permits, which is consistent with N.J.A.C. 7:14A-6.13(b)4.

4 Request for Authorization:

A complete application is considered to be the Request for Authorization (RFA). An RFA consists of a NJPDES-1 form, Form R, a topographic map, a Plot Plan signed and sealed by a New Jersey P.E., a GWSD Facility Information Form, Pinelands Certification (where applicable), Highlands approval (where applicable), and Site-Specific Technical Information, as specified in Part II C.3.a.

Additional information may be required by the Department to be included as part of the RFA if the Department determines that such additional information (including other data, reports, specifications, plans, permits, or other information) is reasonably necessary to determine whether to authorize the discharge under this permit.

A facility which has submitted a complete application for an Individual Discharge to Ground Water permit in accordance with N.J.A.C. 7:14A-4 may, at the discretion of the Department, be authorized under this general permit. The decision to issue an authorization shall be based upon the applicability of the criteria, outlined in the paragraph above, to each individual facility. If it is determined that the facility meets the outlined criteria, the Department will issue an individual authorization under this general permit.

For projects located within the jurisdiction of the Pinelands Commission (as defined in N.J.S.A. 13:18A-1 et seq.), either a Certificate of Compliance, a Certificate of Filing, a Development Approval, or other approval from the Pinelands Commission is required. A written statement from the Pinelands Commission that no approval is necessary also satisfies this requirement. The New Jersey Pinelands Commission can be contacted at:

New Jersey Pinelands Commission
P.O. Box 359
15 Springfield Road
New Lisbon, New Jersey 08064
<https://www.state.nj.us/pinelands/home/contact/>
Phone: (609) 894-7300

For new or expanding projects located within the Highlands Region, only projects proposed within non-conforming municipalities of the Highlands Planning Area are eligible for this permit and must include a written statement from the Highlands Council identifying the municipality's status of conformance. The Highlands Council can be contacted at:

New Jersey Highlands Council
100 North Road (Route 513)
Chester, New Jersey 07930
<https://www.nj.gov/njhighlands/about/contact/index.html>
Phone: (908) 879-6737
Email: highlands@highlands.nj.gov

5 Summary of Permit Conditions:

The parameters associated with typical sanitary discharges include Nitrate, Ammonia and Fecal Coliform. Monitoring requirements for these parameters will vary based on the level of treatment provided for each individual system regulated on the property. The goal of the permit conditions is to ensure that Ground Water Quality Standards (GWQS) are met at the property line or nearest sensitive receptor (e.g. potable well, surface water body, wetlands, etc.).

A. Summary of Treatment Options and Point of Compliance

The following three treatment options are covered under this permit:

Treatment Option 1: Facilities utilizing a conventional septic system without the addition of advanced treatment and ultraviolet disinfection prior to discharge to the disposal field(s). These facilities will be required to meet the GWQS for Nitrate, Ammonia, and Fecal Coliform in the designated downgradient monitoring wells.

Treatment Option 2: Facilities utilizing advanced treatment, but not incorporating ultraviolet disinfection in their system prior to discharge to the disposal field(s). Based on the incorporation of advanced treatment in the system, these facilities will be required to meet the GWQS for Nitrate and Ammonia prior to the point of discharge to the disposal field and meet the GWQS for Fecal Coliform in the designated downgradient monitoring wells.

Treatment Option 3: Facilities utilizing advanced treatment and ultraviolet disinfection in their system prior to discharge to the disposal field. Based on the incorporation of advanced treatment and ultraviolet disinfection in the system, these facilities will be required to meet the GWQS for Nitrate, Ammonia, and Fecal Coliform prior to the point of discharge to the disposal field(s).

*Facilities located within the Pinelands Preservation or Protection Areas will be required to meet a nitrate limit of 2 mg/L at either the point of discharge or downgradient monitoring wells. Facilities unable to meet the limit will not be eligible for authorization under this permit.

*New or expanding facilities located within non-conforming municipalities of the Highlands Planning Area will be required to meet a nitrate limit of 6 mg/L at either the point of discharge or downgradient monitoring wells. Facilities unable to meet the limit will not be eligible for authorization under this permit.

GWQS Point of Compliance Based on Level of Treatment			
	Nitrate	Ammonia	Fecal Coliform
Treatment Option 1	Downgradient Monitoring Well	Downgradient Monitoring Well	Downgradient Monitoring Well
Treatment Option 2	Point of Discharge	Point of Discharge	Downgradient Monitoring Well
Treatment Option 3	Point of Discharge	Point of Discharge	Point of Discharge

Points of discharge will be monitored on a monthly basis, and monitoring wells will be monitored on a quarterly basis, in accordance with Part III of this permit.

In addition to the monitoring requirements for the sanitary parameters mentioned above, the discharge to each septic system on the property shall be monitored on a continuous basis for flow and annually for Volatile Organics to ensure these compounds are not present in the waste stream.

B. Ground Water Monitoring and Piezometer Well Installation Requirements

Ground water monitoring wells are wells that are drilled into the underlying aquifer and used to monitor the ground water quality. These wells are required to be sampled on a quarterly basis to ensure that the regulated activity is not negatively impacting ground water quality.

For those facilities using Treatment Options 1 or 2, an upgradient monitoring well will be required. The upgradient monitoring well shall be installed in a location that is upgradient of the regulated activities on the subject property and otherwise be installed in accordance with Part IV.G.2 of the permit. Data from the upgradient monitoring well may assist the permittee and the Department in determining if water quality issues can be attributed to an offsite source.

In addition, a minimum of two (2) downgradient monitoring wells for each disposal area on the property will be required for those facilities incorporating Treatment Options 1 or 2. The number and installation of monitoring wells shall be determined by the number and spacing of disposal areas. If proposed monitoring wells are determined to be representative of multiple disposal areas on the property, the number of wells required to be installed may be reduced by the Department on a case-by-case basis. This determination will be made during the Department's technical review of the permit application. The downgradient monitoring wells shall be installed in a location that is downgradient of the regulated activities on the subject property and otherwise be installed in accordance with Part IV.G.2 of the permit. Data from the downgradient monitoring wells serves to ensure that the discharge activities are not causing a contravention of the GWQS.

Piezometer wells are wells that are installed and used to collect water level data but are not used for the collection of groundwater samples. For purposes of this permit, piezometer wells need to be drilled to the depth of the water table for each septic disposal area to gain water level measurement information. The purpose of the piezometer measurements is to ensure an adequate unsaturated zone beneath the disposal field to allow infiltration of the wastewater through the soil to primarily treat the wastewater prior to reaching the water table and to indicate there is no standing water in the septic system disposal bed. This can be an indication of whether a disposal field is functioning appropriately. Generally speaking, piezometer wells need to be closer to the septic bed than ground water monitoring wells to ensure the drainage through the bed is not impeded.

All facilities authorized under this permit will be required to install a minimum of one (1) piezometer well per disposal area. The number and installation of piezometer wells shall be determined by the number and spacing of disposal areas. This determination, in addition to the location of the piezometer well(s), will be made during the Department's technical review of the permit application.

Piezometer Well measurements shall be reported on a quarterly basis, and shall include the following information:

- Depth to ground water from infiltrative surface (calculated to the nearest 0.1 feet); and
- Depth to ground water from top of piezometer well casing (measured to the nearest 0.1 feet).

The permittee shall install all ground water monitoring and piezometer wells required by this permit within ninety (90) days of the effective date of the permit. Please refer to Part IV.G.1 of the permit.

C. Discharge and Ground Water Monitoring Requirements

For each treatment option, below is a description of the monitoring that will be applied, including the monitoring designator(s), monitoring parameters, frequency of monitoring and the location upon which each sample shall be taken.

Treatment Option 1: Facilities with no advanced treatment or UV disinfection:

Discharge monitoring requirements (T0XT): This permit requires daily flow monitoring of the sanitary wastewater discharged to the septic system(s) on the property. The sample point for flow monitoring will be at a location prior to discharge to the disposal field. The daily maximum and monthly average of the daily flows, ammonia, and nitrate shall be reported on monthly Monitoring Report Forms (MRFs) and submitted to the Department. Annual monitoring for Volatile Organics is required and shall be reported on MRFs to the Department to ensure that non-sanitary waste is not being discharged.

Ground water monitoring requirements (MW01 and MW0X): This permit requires quarterly sampling of the ground water monitoring wells. Monitoring wells, one located upgradient, and two located downgradient for each disposal area, shall be sampled quarterly for Ammonia, Nitrate, and Fecal Coliform and shall be reported on MRFs to the Department. Compliance with the GWQS for Ammonia, Nitrate, and Fecal Coliform shall be met in the downgradient monitoring wells.

Treatment Option 2: Facilities with advanced treatment but no UV disinfection:

Discharge monitoring requirements (T0YT): This permit requires daily flow monitoring of the sanitary waste discharged to the septic system(s) on the property. The sample point for discharge monitoring will be at a location prior to discharge to the disposal field. The daily maximum and monthly average of the daily flows shall be reported on MRFs and submitted to the Department. Annual monitoring for Volatile Organics is required and shall be submitted on MRFs to the Department to ensure that non-sanitary waste is not being discharged. The daily maximum and monthly average of Ammonia and Nitrate shall be reported monthly on MRFs and submitted to the Department. Compliance with the GWQS for Ammonia and Nitrate shall be met at the point of discharge.

Ground water monitoring requirements (MW01 and MW0Y): This permit requires quarterly sampling of the ground water monitoring wells. Monitoring wells, one located upgradient, and two located downgradient for each disposal area, shall be sampled quarterly for Ammonia, Nitrate, and Fecal Coliform and shall be reported on MRFs to the Department. Compliance with the GWQS for Fecal Coliform shall be met in the downgradient monitoring wells.

Treatment Option 3: Facilities with advanced treatment and UV disinfection:

Discharge monitoring requirements (T0ZT): This permit requires daily flow monitoring of the sanitary waste discharged to the septic system(s) on the property. The sample point for flow monitoring shall be at a location prior to discharge to the disposal field. The daily maximum and monthly average of the daily flows shall be reported on MRFs and submitted to the Department. Annual monitoring for Volatile Organics is required and shall be submitted on MRFs to the Department to ensure that non-sanitary waste is not being discharged. The daily maximum and monthly average of Ammonia and Nitrate and the daily maximum of Fecal Coliform shall be reported monthly on MRFs and submitted to the Department. Compliance with the Ground Water Quality Standards (GWQS) for Ammonia, Nitrate, and Fecal Coliform shall be met at the point of discharge.

Facilities with food service:

High Strength Waste Parameters (THSW): For those facilities with food service components, quarterly monitoring for the THSW parameters will be required. Reporting shall be submitted for Biological Oxygen Demand (BOD), Total Suspended Solids, Oil and Grease, and Chemical Oxygen Demand (COD). A Design Criteria Level (DCL) has been established for each parameter. Exceedances of the DCL may result in the requirement of upgrades to the high strength waste pretreatment components of the system.

The sample point for facilities with a food service component shall be at a location prior to discharge to the disposal field. For instance, if T01T is the designator used for a system serving a food service facility, the parameters under THSW will be included in the monitoring requirements for that discharge point.

Facilities in Pinelands Preservation or Protection Areas:

Facilities located in Pinelands Preservation or Protection Areas will have a nitrate limitation of 2 mg/L in their monitoring requirements.

“Sample Point – Pinelands” is only applicable to facilities which are located within the Pinelands Protection or Preservation Areas. A nitrate limit of 2 mg/L shall be met at the point of discharge or in the downgradient monitoring wells.

Facilities in Highlands Planning Area:

New or expanding facilities located in non-conforming municipalities within the Highlands Planning Area will have a nitrate limitation of 6 mg/L in their monitoring requirements.

“Sample Point – Highlands” is only applicable to new or expanding facilities which are located within non-conforming municipalities within the Highlands Planning Area. A nitrate limit of 6 mg/L shall be met at the point of discharge or in the downgradient monitoring wells.

All completed MRFs shall be submitted via NJDEP's Electronic MRF Submissions Service. Information regarding registration for NJDEP's Electronic MRF Submissions Service can be found at www.state.nj.us/dep/dwq/mrf.htm.

6 Contact Information:

For further information regarding this permit please visit the Division of Water Quality website at <https://dep.nj.gov/dwq/> or contact the Bureau of Ground Water, Residuals, and Permit Administration Ground Water Unit at dwq_groundwater@dep.nj.gov.

7 Administrative Record:

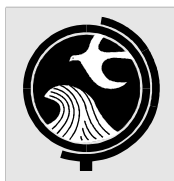
The following items were used to formulate the basis of the permit:

1	New Jersey Water Pollution Control Act (N.J.S.A. 58:10A) *
2	New Jersey Pollutant Discharge Elimination System Regulations (N.J.A.C. 7:14A-1)*
3	Statewide Water Quality Management Planning Rules (N.J.A.C. 7:15)*
4	Ground Water Quality Standards (N.J.A.C. 7:9C)*
5	The Standards for Individual Subsurface Sewage Disposal Systems (N.J.A.C. 7:9A)*
6	Pinelands Comprehensive Management Plan (N.J.A.C. 7:50)*
7	Highlands Water Protection and Planning Act Rules (N.J.A.C. 7:38)*
8	Highlands Regional Master Plan*

*The document is part of the administrative record but is not physically included in the record.

The discharge described above is a regulated activity under the New Jersey Water Pollution Control Act,

N.J.S.A. 58:10A-1 *et seq.*, and its implementing regulations, the New Jersey Pollutant Discharge Elimination System Regulations (NJPDES) N.J.A.C. 7:14A-1 *et seq.* The permit has been developed pursuant to the administrative record identified above.



NEW JERSEY POLLUTANT DISCHARGE ELIMINATION SYSTEM

The New Jersey Department of Environmental Protection hereby grants you a NJPDES permit for the facility/activity named in this document. This permit is the regulatory mechanism used by the Department to help ensure your discharge will not harm the environment. By complying with the terms and conditions specified, you are assuming an important role in protecting New Jersey's valuable water resources. Your acceptance of this permit is an agreement to conform with all of its provisions when constructing, installing, modifying, or operating any facility for the collection, treatment, or discharge of pollutants to waters of the state. If you have any questions about this document, please feel free to contact the Department representative listed in the permit cover letter. Your cooperation in helping us protect and safeguard our state's environment is appreciated.

Permit Number: NJ0309672

Program Interest Number: 50577

DRAFT: New Ground Water Master General Permit

Permittee:

NJPDES Master General Permit
Category GWSD
Per Individual Notice of Authorization
Division of Water Quality
401-02B; P.O. Box 420
401 East State Street
Trenton, NJ 08625

Co-Permittee:

Property Owner:

NJPDES Master General Permit
Category GWSD
Per Individual Notice of Authorization
Division of Water Quality
401-02B; P.O. Box 420
401 East State Street
Trenton, NJ 08625

Location Of Activity:

NJPDES Master General Permit
Category GWSD
Per Individual Notice of Authorization
Division of Water Quality
401-02B; P.O. Box 420
401 East State Street
Trenton, NJ 08625

Authorization(s) Covered Under This Approval	Issuance Date	Effective Date	Expiration Date
GWSD – Ground Water Sanitary Discharges (GP)			

By Authority of:
Commissioner's Office

DEP AUTHORIZATION
Stephen Boyer, Section Chief
Bureau of Ground Water, Residuals, and Permit Administration
Division of Water Quality

(Terms, conditions and provisions attached hereto)

PART I GENERAL REQUIREMENTS: NJPDES

A. General Requirements of all NJPDES Permits

1. Requirements Incorporated by Reference

- a. The permittee shall comply with all conditions set forth in this permit and with all the applicable requirements incorporated into this permit by reference. The permittee is required to comply with the regulations, including those cited in paragraphs b. through e. following, which are in effect as of the effective date of the final permit.
- b. General Conditions
 - Penalties for Violations N.J.A.C. 7:14-8.1 et seq.
 - Incorporation by Reference N.J.A.C. 7:14A-2.3
 - Toxic Pollutants N.J.A.C. 7:14A-6.2(a)4i
 - Duty to Comply N.J.A.C. 7:14A-6.2(a)1 & 4
 - Duty to Mitigate N.J.A.C. 7:14A-6.2(a)5 & 11
 - Inspection and Entry N.J.A.C. 7:14A-2.11(e)
 - Enforcement Action N.J.A.C. 7:14A-2.9
 - Duty to Reapply N.J.A.C. 7:14A-4.2(e)3
 - Signatory Requirements for Applications and Reports N.J.A.C. 7:14A-4.9
 - Effect of Permit/Other Laws N.J.A.C. 7:14A-6.2(a)6 & 7 & 2.9(c)
 - Severability N.J.A.C. 7:14A-2.2
 - Administrative Continuation of Permits N.J.A.C. 7:14A-2.8
 - Permit Actions N.J.A.C. 7:14A-2.7(c)
 - Reopener Clause N.J.A.C. 7:14A-6.2(a)10
 - Permit Duration and Renewal N.J.A.C. 7:14A-2.7(a) & (b)
 - Consolidation of Permit Process N.J.A.C. 7:14A-15.5
 - Confidentiality N.J.A.C. 7:14A-18.2 & 2.11(g)
 - Fee Schedule N.J.A.C. 7:14A-3.1
 - Treatment Works Approval N.J.A.C. 7:14A-22 & 23
- c. Operation And Maintenance
 - Need to Halt or Reduce not a Defense N.J.A.C. 7:14A-2.9(b)
 - Proper Operation and Maintenance N.J.A.C. 7:14A-6.12
- d. Monitoring And Records
 - Monitoring N.J.A.C. 7:14A-6.5
 - Recordkeeping N.J.A.C. 7:14A-6.6
 - Signatory Requirements for Monitoring Reports N.J.A.C. 7:14A-6.9
- e. Reporting Requirements
 - Planned Changes N.J.A.C. 7:14A-6.7
 - Reporting of Monitoring Results N.J.A.C. 7:14A-6.8
 - Noncompliance Reporting
 - Hotline/Two Hour & Twenty-four Hour Reporting N.J.A.C. 7:14A-6.10 & 6.8(h)
 - Written Reporting N.J.A.C. 7:14A-6.10(e) & (f) & 6.8(h)
 - Duty to Provide Information N.J.A.C. 7:14A-2.11, 6.2(a)14 & 18.1
 - Schedules of Compliance N.J.A.C. 7:14A-6.4
 - Transfer N.J.A.C. 7:14A-6.2(a)8 & 16.2

PART II

GENERAL REQUIREMENTS: DISCHARGE CATEGORIES

A. Additional Requirements Incorporated By Reference

1. Additional Requirements for Ground Water Discharges

- a. Conditions for General Permits at N.J.A.C. 7:14A-6.13.
- b. Requirements for Discharges to Ground Water at N.J.A.C. 7:14A-7.
- c. Additional Requirements for Underground Injection Control (UIC) Program at N.J.A.C. 7:14A-8.

B. General Conditions

1. Scope

- a. The General Permit applies to all areas of the State of New Jersey.
- b. The issuance of this permit shall not be considered as a waiver of any applicable federal, state, and local rules, regulations, and ordinances.
- c. Permit conditions remain in effect and enforceable until and unless the permit is modified, renewed, or revoked by the Department.

2. Requirements for Treatment Works Approval

- a. For new construction, expansion, alterations, or major repairs of regulated discharge units subject to N.J.A.C. 7:14A-22 and 23, the permittee shall obtain a Treatment Works Approval. For new construction, the permittee shall, prior to discharge, obtain the necessary Treatment Works Approval(s) to design, construct and operate a discharge unit capable of meeting any limits set forth in this permit.
 - i. Please note single-family homes properly excluded from the scope of this permit (i.e., on their own systems) are under the jurisdiction of the local Health Department. All approvals for the design and construction of these systems shall be directed to the appropriate local Health Department.

3. Access to Information

- a. The permittee shall allow an authorized representative of the Department, upon the presentation of credentials, to enter upon a person's premises, for purposes of inspection, and to access/copy any records that must be kept under the conditions of this permit.

4. Notification of Non-Compliance

- a. The permittee shall notify the Department of all non-compliance when required in accordance with N.J.A.C. 7:14A-6.10 by contacting the DEP HOTLINE at 1-877-WARNDEP (1-877-927-6337).

- b. The permittee shall submit a written report as required by N.J.A.C. 7:14A-6.10 within five (5) days.

5. Notification of Facility Changes

- a. The permittee shall give written notification to the Department of any planned physical or operational alterations or additions to the permitted facility when the alteration is expected to result in a significant change in the permittee's discharge and/or residuals use of disposal practices including the cessation of discharge in accordance with N.J.A.C. 7:14A-6.7.
- b. The permittee shall notify the Water Quality Management Plan (WQMP) program, as well as the applicable Bureau of Water Compliance and Enforcement office and the Bureau of Ground Water, Residuals, and Permit Administration (BGRPA), prior to initiating discharges from newly constructed, or altered, discharge facilities.

- i. Contact information, regarding the Bureau of Water Compliance and Enforcement offices, is as follows:

Bureau of Water Compliance & Enforcement - Northern
(Jurisdiction: Counties of Bergen, Essex, Hudson, Hunterdon, Morris, Passaic, Somerset, Sussex, Union, and Warren)
Mailing Address: 7 Ridgedale Avenue, Cedar Knolls, NJ 07927
Email: water_north@dep.nj.gov
Phone: (973) 656-4099

Bureau of Water Compliance & Enforcement - Southern
(Jurisdiction: Counties of Atlantic, Burlington, Camden, Cape May, Cumberland, Gloucester, Mercer, Middlesex, Monmouth, Ocean, and Salem)
Mailing Address: 2 Riverside Drive, Suite 201, Camden, NJ 08103
Email: water_south@dep.nj.gov
Phone: (856) 614-3655.

- ii. Contact information for BGRPA is as follows:

Bureau of Ground Water, Residuals, and Permit Administration
Mailing Address: Mail Code 401-02B, P.O. Box 420 401 E. State St., Trenton, NJ 08625-0420
Email: dwq_groundwater@dep.nj.gov
Phone: (609) 984-4428.

- iii. Contact information for the WQMP group is as follows:

Email: wqmp.publiccomments@dep.nj.gov.

6. Licensed Operator Requirements

- a. Pursuant to N.J.A.C. 7:10A-1.1 et seq., every wastewater system not exempted pursuant to N.J.A.C. 7:10A-1.10(c) requires a licensed operator. The operator of a system shall meet the Department's requirements pursuant to N.J.A.C. 7:10A-1.1. The name of the proposed operator, where required, shall be submitted to the Department at the address below, in order for the qualifications of the operator to be verified prior to initiating operation of the treatment works.
- b. Notifications shall be submitted to:

- i. NJDEP
Bureau of Licensing and Registration
Mail Code 401-04E
P.O. Box 420
Trenton, New Jersey 08625-0420
(609) 984-6507
- c. In accordance with N.J.A.C. 7:10A-1.10(c)6, a licensed operator is not required for the public wastewater treatment system that has obtained a NJPDES general permit authorization to discharge pursuant to N.J.A.C. 7:14A for the Class V Injection Well (septic system) which relies solely upon gravitational means or an automatic siphon to convey a discharge.
- d. The permittee shall notify the Bureau of Licensing and Registration of any changes in licensed operator within two weeks of the change.

7. Authorized Service Provider Requirements

- a. The owner of a system that includes an advanced wastewater pretreatment device, including all drip dispersal systems, that is covered under this General Permit shall have in place a service contract with an authorized service provider in conformity with N.J.A.C. 7:9A-12.3.

8. Notification of Change in Ownership and/or Permittee/Operating Entity

- a. As set forth at N.J.A.C. 7:14A-16.2, prior to any change in ownership and/or the permittee/operating entity, the current permittee shall provide written notice to the Department at least thirty (30) days prior to the proposed transfer date.
 - i. Written notice to the Department shall be in the form of a completed Application for Transfer of a NJPDES Permit form, which is available on the Department's website or by contacting the appropriate permitting program.

9. Notification of Facility Contact Changes

- a. The permittee shall notify the Department within two weeks of a change in contact information for any of the following persons associated with the facility/permit:
 - i. Permittee/Operating Entity Contact;
 - ii. Property Owner Contact;
 - iii. Facility Contact; or
 - iv. Fees/Billing Contact.
- b. Notification to the Department shall be in the form of a completed Contact Information Update form (i.e. NJPDES-2 form), which is available on the Department's website or by contacting the appropriate permitting program.

10. Standard Reporting Requirements - Monitoring Report Forms (MRFs)

- a. All MRFs shall be submitted via the electronic NJPDES MRF submission service which can be accessed via the NJDEP's Online Business Portal. Information regarding registration for the electronic NJPDES MRF submission service can be found on the Division of Water Quality's MRF website.

- i. Each permittee must establish and maintain at least one "Facility Administrator" for the electronic NJPDES MRF submission service. The Facility Administrator is an approved user who can certify and submit MRFs, as well as manage other users' access to online MRFs for their permit. To establish or make changes to a Facility Administrator, the permittee shall complete and submit a "NJPDES AGREEMENT FOR ELECTRONIC SUBMISSION OF MONITORING REPORT FORM" which can be found on the Division of Water Quality's MRF website.
- b. MRF data submission shall be in accordance with the guidelines and provisions outlined in the Department's Electronic Data Interchange (EDI) agreement with the permittee.
- c. MRFs shall be submitted at the frequencies identified in Part III of this permit.
- d. All MRFs shall be certified by the highest ranking official having day-to-day managerial and operational responsibilities for the discharging facility.
- e. The highest-ranking official may delegate responsibility to certify the MRFs in his or her absence. Authorizations for other individuals to certify shall be made in accordance with N.J.A.C. 7:14A-4.9(b).
- f. Monitoring results shall be submitted in accordance with the current NJPDES MRF Reference Manual and any updates thereof.
- g. If monitoring for a parameter is not required in a monitoring period, the permittee must report "CODE=N" for that parameter.
- h. If, for a monitored location, there are no discharge events during an entire monitoring period, the permittee must notify the Department when submitting the monitoring results by checking the "No Discharge this monitoring period" box on the paper or electronic version of the monitoring report submittal form.

C. Eligibility

1. Authorized Discharges

- a. Eligibility for this permit is limited to facilities which discharge sanitary sewage to ground water via an individual subsurface sewage disposal system(s) where the aggregate daily design flow for the property is greater than 2,000 gallons per day (gpd) but less than or equal to 20,000 gpd, as calculated pursuant to N.J.A.C. 7:9A-7.4.
 - i. The aggregate volume of sanitary sewage on the property shall not include the discharge from a single-family home served by its own individual subsurface sewage disposal system as outlined in C.2.c below.

2. Discharges Not Authorized

- a. Discharges to ground water with design flows greater than 20,000 gpd, as calculated pursuant to N.J.A.C. 7:9A-7.4.
- b. Discharges to ground water containing any non-sanitary waste.
- c. Discharges to ground water from a single-family home served by its own individual subsurface sewage disposal system. Consistent with N.J.A.C. 7:14A-7.4(a)1 and N.J.A.C. 7:14A-8.1(b)2ii and N.J.A.C. 7:9A-3.10(a), such systems are exempt from the NJPDES-DGW and Underground Injection Control requirements, provided the system is designed, constructed, installed and operated in compliance with the Realty Improvement Sewerage and Facilities Act, N.J.S.A. 58:11-23 et seq., and the Department's Standards for Individual Subsurface Sewage Disposal Systems, N.J.A.C. 7:9A.

- d. Discharges to ground water from new or expanding schools that are inconsistent with the adopted WQMP.
- e. Discharges to ground water from new or expanding facilities with a proposed disturbance in the following environmentally sensitive areas, which are located partially or wholly outside the adopted sewer service area:
 - i. Areas mapped as endangered or threatened wildlife species habitat as identified on the Department's most recent Landscape Maps of Habitat for Endangered, Threatened or Other Priority Wildlife as Rank 3, 4 and 5. The data are available for download at the NJDEP Bureau of GIS webpage by selecting "Environment" and searching for the term "landscape"; and
 - ii. Areas mapped as Natural Heritage Priority Sites. The Natural Heritage Priority Site data is available as a digital data download at the NJDEP Bureau of GIS webpage by selecting "Environment" and searching for "Natural Heritage Priority Sites in New Jersey."
- f. Discharges to ground water from new or expanding facilities within the Highlands Region, excluding facilities located within non-conforming municipalities of the Highlands Planning Area.
- g. Facilities which are not eligible for authorization under this permit should contact BGRPA at (609) 984-4428, or dwq_groundwater@dep.nj.gov, to discuss other permitting options.

3. Request for Authorization

- a. A Request for Authorization (RFA) under this general permit shall include the following documents:
 - i. NJPDES-1 form;
 - ii. Form R - Domestic;
 - iii. Topographic Map;
 - iv. GWSD Inventory Form; and
 - v. Pinelands approval (where applicable). For projects located within the jurisdiction of the Pinelands Commission (as defined in N.J.S.A. 13:18A-1 et seq.), either a Certificate of Compliance, a Certificate of Filing, a Development Approval, or other approval from the Pinelands Commission is required. A written statement from the Pinelands Commission that no approval is necessary also satisfies this requirement.
 - vi. Highlands approval (where applicable). For new or expanding projects located within the Highlands Region, only projects proposed within non-conforming municipalities of the Highlands Planning Area are eligible for this permit and must include a written statement from the Highlands Council identifying the municipality's status of conformance.
 - vii. For existing dischargers which do not propose to expand the sewage-generating activities on site, the following site-specific information is required:
 - Plot Plan, signed and sealed by a New Jersey licensed P.E. which provides measured distances between all structures, system components, wells, and property lines. This should include location of all septic systems and related components (septic tanks, pumping tanks, distribution boxes, disposal fields, seepage pits, etc.);
 - Well records for any well within 100 feet of an individual subsurface sewage disposal system;
 - Direction of ground water flow on the property; and
 - Estimated depth of seasonal high water table (SHWT) for each disposal field area.

- viii. For new dischargers, or for existing dischargers which are proposing an expansion of sewage-generating activities, in addition to the information required in vii. above, a full Technical Report is required, in accordance with the Technical Manual for NJPDES Discharge to Ground Water Permits.
- ix. Additional information may be required by the Department to be included as part of the RFA if the Department determines that such additional information (including other data, reports, specifications, plans, permits, or other information) is reasonably necessary to determine whether to authorize the discharge under this permit.
- b. Authorizations under this permit shall become effective upon notification from the Department, as allowed pursuant to N.J.A.C. 7:14A-6.13(d)5.iii.
- c. For all facilities authorized under this general permit, the authorization expiration date is the same as the master general permit's expiration date. The effective date on each facility's authorization page is the date the authorization was individually issued to that facility.
- d. Facilities with existing individual NJPDES-DGW permits that meet the eligibility requirements for this general permit and submit a RFA as described in 3.a. above, will have their individual NJPDES-DGW permit revoked only after a valid authorization under this general permit is issued.

4. Exclusions

- a. Any owner, operator and/or discharger authorized under this general permit may request to be excluded from the coverage of the general NJPDES permit by applying for an individual permit or for another general permit for which the facility is eligible. The owner, operator and/or discharger shall submit an application in accordance with N.J.A.C. 7:14A-4, with reasons supporting the request, to the NJDEP. The request shall be processed under N.J.A.C. 7:14A-15, 16 and 17. The request shall be granted by the issuance of an individual permit if the reasons cited by the owner, operator and/or discharger are adequate to support the request.

5. Requiring an Individual or another General Permit

- a. Pursuant to N.J.A.C. 7:14A-6.13(e) the Department may require any facility authorized under this permit to apply for and obtain an individual permit or seek and obtain authorization under another general permit.

6. Submission of a Request for Authorization

- a. A completed RFA shall be electronically submitted to the Permit Administration Section via email at dwq_pas@dep.nj.gov.
- b. After review of the RFA, the Department will either:
 - i. Issue notification of authorization under this permit; or
 - ii. Deny authorization under this permit and require submittal of an application for an individual permit; or
 - iii. Deny authorization under this permit and require submittal of an RFA for another general permit.
- c. The Department may notify a person that the discharge is authorized under a general permit, even if the person has not submitted an RFA. A person so notified may nonetheless request an individual permit under C.4 above.

7. Automatic Renewal of Authorization

- a. Authorization under this permit will be automatically renewed when this permit is reissued, pursuant to N.J.A.C. 7:14A-6.13(d)9 provided the discharge authorized under this permit continues to be eligible. The Department shall issue a notice of renewed authorization to the facility.
- b. A permittee shall provide a corrected RFA to the Department within 90 days of the effective date of a renewed authorization under this general permit if any information in its most recently submitted RFA is no longer true, accurate, and/or complete.

PART III

LIMITS AND MONITORING REQUIREMENTS

MONITORED LOCATION:

MW01 Upgradient Mon Well

ROCK FORMATION:

Brunswick

DISCHARGE CATEGORY(IES):

GWSD - Discharge to Ground Water -
Sanitary Discharge (GP)

Location Description

Upgradient ground water monitoring well to determine background ground water quality. Monitoring on this report form will be required for facilities that are meeting standards at downgradient wells. (This will include facilities that do not have both advanced wastewater treatment and UV disinfection)

GW Mon. Well WCR - Quarterly Reporting Requirements:

Submit a Quarterly WCR: within twenty-five days after the end of every quarterly monitoring period beginning from the effective date of the permit (EDP).

Table III - A - 1: GW Mon. Well WCR - Quarterly Limits and Monitoring Requirements

PHASE: Final

PHASE Start Date:

PHASE End Date:

Parameter	Sample Point	Compliance Quantity	Units	Sample Type	Monitoring Period
Nitrogen, Ammonia Total (as N)	Effluent Gross Value	REPORT	MG/L	Grab	January thru December
Nitrogen, Nitrate Total (as N)	Effluent Gross Value	REPORT	MG/L	Grab	January thru December
Coliform, Fecal General	Effluent Gross Value	REPORT	#/100ML	Grab	January thru December

MONITORED LOCATION:
MW0X Downgradient Mon WellROCK FORMATION:
BrunswickDISCHARGE CATEGORY(IES):
GWSD - Discharge to Ground Water -
Sanitary Discharge (GP)**Location Description**

Downgradient ground water monitoring well. Monitoring on this report form will be required for facilities that rely on attenuation to comply with GWQS.

GW Mon. Well WCR - Quarterly Reporting Requirements:

Submit a Quarterly WCR: within twenty-five days after the end of every quarterly monitoring period beginning from the effective date of the permit (EDP).

Comments:

Nitrate Nitrogen Compliance Quantity limit of 2 MG/L is only applicable to facilities located within the Pinelands Protection or Preservation Areas.

Nitrate Nitrogen Compliance Quantity limit of 6 MG/L is only applicable to new or expanding facilities located within non-conforming municipalities of the Highlands Planning Area.

Table III - B - 1: GW Mon. Well WCR - Quarterly Limits and Monitoring Requirements**PHASE:** Final**PHASE Start Date:****PHASE End Date:**

Parameter	Sample Point	Compliance Quantity	Units	Sample Type	Monitoring Period
Nitrogen, Ammonia Total (as N)	Effluent Gross Value	3	MG/L	Grab	January thru December
Nitrogen, Nitrate Total (as N)	Effluent Gross Value	10	MG/L	Grab	January thru December
Nitrogen, Nitrate Total (as N)	Pinelands	2	MG/L	Grab	January thru December
Nitrogen, Nitrate Total (as N)	Highlands	6	MG/L	Grab	January thru December
Coliform, Fecal General	Effluent Gross Value	10	#/100ML	Grab	January thru December

MONITORED LOCATION:
MW0Y Downgradient Mon WellROCK FORMATION:
BrunswickDISCHARGE CATEGORY(IES):
GWSD - Discharge to Ground Water -
Sanitary Discharge (GP)**Location Description**

Downgradient ground water monitoring well. Monitoring on this report form will be required for facilities that utilize advanced treatment, but rely on attenuation to comply with GWQS for fecal coliform.

GW Mon. Well WCR - Quarterly Reporting Requirements:

Submit a Quarterly WCR: within twenty-five days after the end of every quarterly monitoring period beginning from the effective date of the permit (EDP).

Table III - C - 1: GW Mon. Well WCR - Quarterly Limits and Monitoring Requirements**PHASE:** Final**PHASE Start Date:****PHASE End Date:**

Parameter	Sample Point	Compliance Quantity	Units	Sample Type	Monitoring Period
Nitrogen, Ammonia Total (as N)	Effluent Gross Value	REPORT	MG/L	Grab	January thru December
Nitrogen, Nitrate Total (as N)	Effluent Gross Value	REPORT	MG/L	Grab	January thru December
Coliform, Fecal General	Effluent Gross Value	10	#/100ML	Grab	January thru December

MONITORED LOCATION:

PZ-X GW Mon. Well

ROCK FORMATION:DISCHARGE CATEGORY(IES):GWSD - Discharge to Ground Water -
Sanitary Discharge (GP)**Location Description**

Sample point at a location adjacent to disposal area to determine the depth of ground water from the infiltrative surface of the disposal area.

Elevation of the top of casing:

Elevation of the infiltrative surface:

Elevation of the existing ground surface:

GW Discharge WCR - Quarterly Reporting Requirements:

Submit a Quarterly WCR: within twenty-five days after the end of every quarterly monitoring period beginning from the effective date of the permit (EDP).

Table III - D - 1: GW Discharge WCR - Quarterly Limits and Monitoring Requirements**PHASE:** Final**PHASE Start Date:****PHASE End Date:**

Parameter	Sample Point	Compliance Quantity	Units	Sample Type	Monitoring Period
Depth To H ₂ O From Infiltrative Surface	Monitoring Well	REPORT	FEET	Calculated	January thru December
Depth To Water Table From Top Of Casing	Monitoring Well	REPORT	FEET	Measured	January thru December

MONITORED LOCATION:

T0XT Discharge Mon Point

ROCK FORMATION:

Brunswick

DISCHARGE CATEGORY(IES):GWSD - Discharge to Ground Water -
Sanitary Discharge (GP)**Location Description**

T0XT is a placeholder and will be labeled as T01T in individual authorizations. Sample point at a location prior to discharge to the disposal mechanism (bed, field, seepage pit, etc.). The monitoring requirements on this form will be applied to facilities not incorporating advanced wastewater pretreatment or UV disinfection prior to the point of discharge to disposal area.

Contributing Waste Types

Sanitary

Ground Water DMR Reporting Requirements:

Submit a Monthly DMR: within twenty-five days after the end of every month beginning from the effective date of the permit (EDP).

Comments:

The daily maximum flow rate of 20,000 gpd is the highest permissible flow rate that can be authorized under this permit. However, the daily maximum limit for flow rate in each individual authorization will be based on the RFA submitted.

Table III - E - 1: Ground Water DMR Limits and Monitoring Requirements**PHASE:**Final**PHASE Start Date:****PHASE End Date:**

Parameter	Sample Point	Limit	Limit	Units	Limit	Limit	Limit	Units	Frequency	Sample Type
Flow Rate	Effluent Gross Value	REPORT Monthly Average	20000 Daily Maximum	GPD	*****	*****	*****	*****	Continuous	Continuous
January thru December	QL	***	***		***	***	***			
Nitrogen, Ammonia Total (as N)	Effluent Gross Value	*****	*****	*****	*****	REPORT Monthly Average	REPORT Daily Maximum	MG/L	1/Month	Grab
January thru December	QL	***	***		***	***	***			
Nitrogen, Nitrate Total (as N)	Effluent Gross Value	*****	*****	*****	*****	REPORT Monthly Average	REPORT Daily Maximum	MG/L	1/Month	Grab
January thru December	QL	***	***		***	***	***			

Ground Water DMR Reporting Requirements:

Submit a Monthly DMR: within twenty-five days after the end of every month beginning from the effective date of the permit (EDP).

Comments:

The daily maximum flow rate of 20,000 gpd is the highest permissible flow rate that can be authorized under this permit. However, the daily maximum limit for flow rate in each individual authorization will be based on the RFA submitted.

Table III - E - 1: Ground Water DMR Limits and Monitoring Requirements**PHASE:**Final**PHASE Start Date:****PHASE End Date:**

Parameter	Sample Point	Limit	Limit	Units	Limit	Limit	Limit	Units	Frequency	Sample Type
Coliform, Fecal General	Effluent Gross Value	*****	*****	*****	*****	REPORT Monthly Geo Avg	REPORT Daily Maximum	#/100ML	1/Month	Grab
January thru March	QL	***	***		***	***	***			

GW Discharge WCR - Annual Reporting Requirements:

Submit an Annual WCR: within twenty-five days after the end of every 12 month monitoring period beginning from the effective date of the permit (EDP).

Table III - E - 2: GW Discharge WCR - Annual Limits and Monitoring Requirements**PHASE:**Final**PHASE Start Date:****PHASE End Date:**

Parameter	Sample Point	Compliance Quantity	Units	Sample Type	Monitoring Period
1,3-Dichloropropene	Effluent Gross Value	1.0	UG/L	Grab	January thru December
Dichlorobromomethane	Effluent Gross Value	1.0	UG/L	Grab	January thru December
Carbon Tetrachloride	Effluent Gross Value	1.0	UG/L	Grab	January thru December
1,2-Dichloroethane	Effluent Gross Value	2.0	UG/L	Grab	January thru December

GW Discharge WCR - Annual Reporting Requirements:

Submit an Annual WCR: within twenty-five days after the end of every 12 month monitoring period beginning from the effective date of the permit (EDP).

Table III - E - 2: GW Discharge WCR - Annual Limits and Monitoring Requirements**PHASE:** Final**PHASE Start Date:****PHASE End Date:**

Parameter	Sample Point	Compliance Quantity	Units	Sample Type	Monitoring Period
Bromoform	Effluent Gross Value	4.0	UG/L	Grab	January thru December
Chloroform	Effluent Gross Value	70.0	UG/L	Grab	January thru December
Toluene	Effluent Gross Value	600.0	UG/L	Grab	January thru December
Benzene	Effluent Gross Value	1.0	UG/L	Grab	January thru December
Acrolein	Effluent Gross Value	5.0	UG/L	Grab	January thru December
Acrylonitrile	Effluent Gross Value	2.0	UG/L	Grab	January thru December
Chlorobenzene	Effluent Gross Value	50.0	UG/L	Grab	January thru December
Chlorodibromomethane	Effluent Gross Value	1.0	UG/L	Grab	January thru December
Ethylbenzene	Effluent Gross Value	700.0	UG/L	Grab	January thru December
Methyl Bromide	Effluent Gross Value	10.0	UG/L	Grab	January thru December
Methylene Chloride	Effluent Gross Value	3.0	UG/L	Grab	January thru December
Tetrachloroethylene	Effluent Gross Value	1.0	UG/L	Grab	January thru December
1,1-Dichloroethane	Effluent Gross Value	50.0	UG/L	Grab	January thru December
1,1-Dichloroethylene	Effluent Gross Value	1.0	UG/L	Grab	January thru December
1,1,1-Trichloro-ethane	Effluent Gross Value	30.0	UG/L	Grab	January thru December

GW Discharge WCR - Annual Reporting Requirements:

Submit an Annual WCR: within twenty-five days after the end of every 12 month monitoring period beginning from the effective date of the permit (EDP).

Table III - E - 2: GW Discharge WCR - Annual Limits and Monitoring Requirements**PHASE:** Final**PHASE Start Date:****PHASE End Date:**

Parameter	Sample Point	Compliance Quantity	Units	Sample Type	Monitoring Period
1,1,2-Trichloro-ethane	Effluent Gross Value	3.0	UG/L	Grab	January thru December
1,1,2,2-Tetrachloro-ethane	Effluent Gross Value	1.0	UG/L	Grab	January thru December
1,2-Dichloropropane	Effluent Gross Value	70.0	UG/L	Grab	January thru December
1,2-trans-Dichloro-ethylene	Effluent Gross Value	100.0	UG/L	Grab	January thru December
Vinyl Chloride	Effluent Gross Value	1.0	UG/L	Grab	January thru December
Acetone	Effluent Gross Value	6000	UG/L	Grab	January thru December

MONITORED LOCATION:

T0YT Discharge Mon Point

ROCK FORMATION:

Brunswick

DISCHARGE CATEGORY(IES):GWSD - Discharge to Ground Water -
Sanitary Discharge (GP)**Location Description**

T0YT is a placeholder and will be labeled as T01T in individual authorizations. Sample point at a location prior to discharge to the disposal mechanism (bed, field, seepage pit, etc.). The monitoring requirements on this form will be applied to facilities that incorporate advanced wastewater pretreatment, but do not utilize UV disinfection prior to the point of discharge to disposal area.

Contributing Waste Types

Sanitary

Ground Water DMR Reporting Requirements:

Submit a Monthly DMR: within twenty-five days after the end of every month beginning from the effective date of the permit (EDP).

Comments:

Daily max limit for flow will be established in each individual NOA based on the RFA. Daily max limit of 2 MG/L for Nitrate only applies to facilities located within Pinelands Protection or Preservation Areas. Daily max limit of 6 MG/L only applies to new/expanding facilities within non-conforming municipalities of the Highlands Planning Area.

Table III - F - 1: Ground Water DMR Limits and Monitoring Requirements**PHASE:**Final**PHASE Start Date:****PHASE End Date:**

Parameter	Sample Point	Limit	Limit	Units	Limit	Limit	Limit	Units	Frequency	Sample Type
Flow Rate	Effluent Gross Value	REPORT Monthly Average	20000 Daily Maximum	GPD	*****	*****	*****	*****	Continuous	Continuous
January thru December	QL	***	***		***	***	***			
Nitrogen, Ammonia Total (as N)	Effluent Gross Value	*****	*****	*****	*****	REPORT Monthly Average	3 Daily Maximum	MG/L	1/Month	Grab
January thru December	QL	***	***		***	***	***			
Nitrogen, Nitrate Total (as N)	Effluent Gross Value	*****	*****	*****	*****	REPORT Monthly Average	10 Daily Maximum	MG/L	1/Month	Grab
January thru December	QL	***	***		***	***	***			
Nitrogen, Nitrate Total (as N)	Pinelands	*****	*****	*****	*****	REPORT Monthly Average	2 Daily Maximum	MG/L	1/Month	Grab
January thru December	QL	***	***		***	***	***			

Ground Water DMR Reporting Requirements:

Submit a Monthly DMR: within twenty-five days after the end of every month beginning from the effective date of the permit (EDP).

Comments:

Daily max limit for flow will be established in each individual NOA based on the RFA. Daily max limit of 2 MG/L for Nitrate only applies to facilities located within Pinelands Protection or Preservation Areas. Daily max limit of 6 MG/L only applies to new/expanding facilities within non-conforming municipalities of the Highlands Planning Area.

Table III - F - 1: Ground Water DMR Limits and Monitoring Requirements**PHASE:** Final**PHASE Start Date:****PHASE End Date:**

Parameter	Sample Point	Limit	Limit	Units	Limit	Limit	Limit	Units	Frequency	Sample Type
Nitrogen, Nitrate Total (as N)	Highlands	*****	*****	*****	*****	REPORT Monthly Average	6 Daily Maximum	MG/L	1/Month	Grab
January thru December	QL	***	***		***	***	***			
Coliform, Fecal General	Effluent Gross Value	*****	*****	*****	*****	REPORT Monthly Geo Avg	REPORT Daily Maximum	#/100ML	1/Month	Grab
January thru December	QL	***	***		***	***	***			

GW Discharge WCR - Annual Reporting Requirements:

Submit an Annual WCR: within twenty-five days after the end of every 12 month monitoring period beginning from the effective date of the permit (EDP).

Table III - F - 2: GW Discharge WCR - Annual Limits and Monitoring Requirements**PHASE:** Final**PHASE Start Date:****PHASE End Date:**

Parameter	Sample Point	Compliance Quantity	Units	Sample Type	Monitoring Period
1,3-Dichloropropene	Effluent Gross Value	1.0	UG/L	Grab	January thru December
Dichlorobromomethane	Effluent Gross Value	1.0	UG/L	Grab	January thru December

GW Discharge WCR - Annual Reporting Requirements:

Submit an Annual WCR: within twenty-five days after the end of every 12 month monitoring period beginning from the effective date of the permit (EDP).

Table III - F - 2: GW Discharge WCR - Annual Limits and Monitoring Requirements**PHASE:** Final**PHASE Start Date:****PHASE End Date:**

Parameter	Sample Point	Compliance Quantity	Units	Sample Type	Monitoring Period
Carbon Tetrachloride	Effluent Gross Value	1.0	UG/L	Grab	January thru December
1,2-Dichloroethane	Effluent Gross Value	2.0	UG/L	Grab	January thru December
Bromoform	Effluent Gross Value	4.0	UG/L	Grab	January thru December
Chloroform	Effluent Gross Value	70.0	UG/L	Grab	January thru December
Toluene	Effluent Gross Value	600.0	UG/L	Grab	January thru December
Benzene	Effluent Gross Value	1.0	UG/L	Grab	January thru December
Acrolein	Effluent Gross Value	5.0	UG/L	Grab	January thru December
Acrylonitrile	Effluent Gross Value	2.0	UG/L	Grab	January thru December
Chlorobenzene	Effluent Gross Value	50.0	UG/L	Grab	January thru December
Chlorodibromomethane	Effluent Gross Value	1.0	UG/L	Grab	January thru December
Ethylbenzene	Effluent Gross Value	700.0	UG/L	Grab	January thru December
Methyl Bromide	Effluent Gross Value	10.0	UG/L	Grab	January thru December
Methylene Chloride	Effluent Gross Value	3.0	UG/L	Grab	January thru December
Tetrachloroethylene	Effluent Gross Value	1.0	UG/L	Grab	January thru December
1,1-Dichloroethane	Effluent Gross Value	50.0	UG/L	Grab	January thru December

GW Discharge WCR - Annual Reporting Requirements:

Submit an Annual WCR: within twenty-five days after the end of every 12 month monitoring period beginning from the effective date of the permit (EDP).

Table III - F - 2: GW Discharge WCR - Annual Limits and Monitoring Requirements**PHASE:** Final**PHASE Start Date:****PHASE End Date:**

Parameter	Sample Point	Compliance Quantity	Units	Sample Type	Monitoring Period
1,1-Dichloroethylene	Effluent Gross Value	1.0	UG/L	Grab	January thru December
1,1,1-Trichloro-ethane	Effluent Gross Value	30.0	UG/L	Grab	January thru December
1,1,2-Trichloro-ethane	Effluent Gross Value	3.0	UG/L	Grab	January thru December
1,1,2,2-Tetrachloro-ethane	Effluent Gross Value	1.0	UG/L	Grab	January thru December
1,2-Dichloropropane	Effluent Gross Value	70.0	UG/L	Grab	January thru December
1,2-trans-Dichloro-ethylene	Effluent Gross Value	100.0	UG/L	Grab	January thru December
Vinyl Chloride	Effluent Gross Value	1.0	UG/L	Grab	January thru December
Acetone	Effluent Gross Value	6000	UG/L	Grab	January thru December

MONITORED LOCATION:

T0ZT Discharge Mon Point

ROCK FORMATION:

Brunswick

DISCHARGE CATEGORY(IES):GWSD - Discharge to Ground Water -
Sanitary Discharge (GP)**Location Description**

T0ZT is a placeholder and will be labeled as T01T in individual authorizations. Sample point at a location prior to discharge to the disposal mechanism (bed, field, seepage pit, etc.). The monitoring requirements on this form will be applied to facilities that incorporate advanced wastewater pretreatment and UV disinfection prior to the point of discharge to disposal area.

Contributing Waste Types

Sanitary

Ground Water DMR Reporting Requirements:

Submit a Monthly DMR: within twenty-five days after the end of every month beginning from the effective date of the permit (EDP).

Comments:

Daily max limit for flow will be established in each individual NOA based on the RFA. Daily max limit of 2 MG/L for Nitrate only applies to facilities located within Pinelands Protection or Preservation Areas. Daily max limit of 6 MG/L only applies to new/expanding facilities within non-conforming municipalities of the Highlands Planning Area.

Table III - G - 1: Ground Water DMR Limits and Monitoring Requirements**PHASE:**Final**PHASE Start Date:****PHASE End Date:**

Parameter	Sample Point	Limit	Limit	Units	Limit	Limit	Limit	Units	Frequency	Sample Type
Flow Rate	Effluent Gross Value	REPORT Monthly Average	20000 Daily Maximum	GPD	*****	*****	*****	*****	Continuous	Continuous
January thru December	QL	***	***		***	***	***			
Nitrogen, Ammonia Total (as N)	Effluent Gross Value	*****	*****	*****	*****	REPORT Monthly Average	3 Daily Maximum	MG/L	1/Month	Grab
January thru December	QL	***	***		***	***	***			
Nitrogen, Nitrate Total (as N)	Effluent Gross Value	*****	*****	*****	*****	REPORT Monthly Average	10 Daily Maximum	MG/L	1/Month	Grab
January thru December	QL	***	***		***	***	***			
Nitrogen, Nitrate Total (as N)	Pinelands	*****	*****	*****	*****	REPORT Monthly Average	2 Daily Maximum	MG/L	1/Month	Grab
January thru December	QL	***	***		***	***	***			

Ground Water DMR Reporting Requirements:

Submit a Monthly DMR: within twenty-five days after the end of every month beginning from the effective date of the permit (EDP).

Comments:

Daily max limit for flow will be established in each individual NOA based on the RFA. Daily max limit of 2 MG/L for Nitrate only applies to facilities located within Pinelands Protection or Preservation Areas. Daily max limit of 6 MG/L only applies to new/expanding facilities within non-conforming municipalities of the Highlands Planning Area.

Table III - G - 1: Ground Water DMR Limits and Monitoring Requirements**PHASE:** Final**PHASE Start Date:****PHASE End Date:**

Parameter	Sample Point	Limit	Limit	Units	Limit	Limit	Limit	Units	Frequency	Sample Type
Nitrogen, Nitrate Total (as N)	Highlands	*****	*****	*****	*****	REPORT Monthly Average	6 Daily Maximum	MG/L	1/Month	Grab
January thru December	QL	***	***		***	***	***			
Coliform, Fecal General	Effluent Gross Value	*****	*****	*****	*****	REPORT Monthly Geo Avg	200 Daily Maximum	#/100ML	1/Month	Grab
January thru December	QL	***	***		***	***	***			

GW Discharge WCR - Annual Reporting Requirements:

Submit an Annual WCR: within twenty-five days after the end of every 12 month monitoring period beginning from the effective date of the permit (EDP).

Table III - G - 2: GW Discharge WCR - Annual Limits and Monitoring Requirements**PHASE:** Final**PHASE Start Date:****PHASE End Date:**

Parameter	Sample Point	Compliance Quantity	Units	Sample Type	Monitoring Period
1,3-Dichloropropene	Effluent Gross Value	1.0	UG/L	Grab	January thru December
Dichlorobromomethane	Effluent Gross Value	1.0	UG/L	Grab	January thru December

GW Discharge WCR - Annual Reporting Requirements:

Submit an Annual WCR: within twenty-five days after the end of every 12 month monitoring period beginning from the effective date of the permit (EDP).

Table III - G - 2: GW Discharge WCR - Annual Limits and Monitoring Requirements**PHASE:** Final**PHASE Start Date:****PHASE End Date:**

Parameter	Sample Point	Compliance Quantity	Units	Sample Type	Monitoring Period
Carbon Tetrachloride	Effluent Gross Value	1.0	UG/L	Grab	January thru December
1,2-Dichloroethane	Effluent Gross Value	2.0	UG/L	Grab	January thru December
Bromoform	Effluent Gross Value	4.0	UG/L	Grab	January thru December
Chloroform	Effluent Gross Value	70.0	UG/L	Grab	January thru December
Toluene	Effluent Gross Value	600.0	UG/L	Grab	January thru December
Benzene	Effluent Gross Value	1.0	UG/L	Grab	January thru December
Acrolein	Effluent Gross Value	5.0	UG/L	Grab	January thru December
Acrylonitrile	Effluent Gross Value	2.0	UG/L	Grab	January thru December
Chlorobenzene	Effluent Gross Value	50.0	UG/L	Grab	January thru December
Chlorodibromomethane	Effluent Gross Value	1.0	UG/L	Grab	January thru December
Ethylbenzene	Effluent Gross Value	700.0	UG/L	Grab	January thru December
Methyl Bromide	Effluent Gross Value	10.0	UG/L	Grab	January thru December
Methylene Chloride	Effluent Gross Value	3.0	UG/L	Grab	January thru December
Tetrachloroethylene	Effluent Gross Value	1.0	UG/L	Grab	January thru December
1,1-Dichloroethane	Effluent Gross Value	50.0	UG/L	Grab	January thru December

GW Discharge WCR - Annual Reporting Requirements:

Submit an Annual WCR: within twenty-five days after the end of every 12 month monitoring period beginning from the effective date of the permit (EDP).

Table III - G - 2: GW Discharge WCR - Annual Limits and Monitoring Requirements**PHASE:** Final**PHASE Start Date:****PHASE End Date:**

Parameter	Sample Point	Compliance Quantity	Units	Sample Type	Monitoring Period
1,1-Dichloroethylene	Effluent Gross Value	1.0	UG/L	Grab	January thru December
1,1,1-Trichloro-ethane	Effluent Gross Value	30.0	UG/L	Grab	January thru December
1,1,2-Trichloro-ethane	Effluent Gross Value	3.0	UG/L	Grab	January thru December
1,1,2,2-Tetrachloro-ethane	Effluent Gross Value	1.0	UG/L	Grab	January thru December
1,2-Dichloropropane	Effluent Gross Value	70.0	UG/L	Grab	January thru December
1,2-trans-Dichloro-ethylene	Effluent Gross Value	100.0	UG/L	Grab	January thru December
Vinyl Chloride	Effluent Gross Value	1.0	UG/L	Grab	January thru December
Acetone	Effluent Gross Value	6000	UG/L	Grab	January thru December

MONITORED LOCATION:
THSW High Strength Waste MPROCK FORMATION:
BrunswickDISCHARGE CATEGORY(IES):
GWSD - Discharge to Ground Water -
Sanitary Discharge (GP)**Location Description**

Monitoring on this report form will be required for facilities that have a food service component at their facility.

Contributing Waste Types

Sanitary

GW Discharge WCR - Quarterly Reporting Requirements:

Submit a Quarterly WCR: within twenty-five days after the end of every quarterly monitoring period beginning from the effective date of the permit (EDP).

Comments:

Monitoring on this form is required for any facility with a food service component.

Table III - H - 1: GW Discharge WCR - Quarterly Limits and Monitoring Requirements**PHASE:** Final**PHASE Start Date:****PHASE End Date:**

Parameter	Sample Point	Compliance Quantity	Units	Sample Type	Monitoring Period
BOD, 5-Day (20 oC)	Effluent Gross Value	REPORT DCL = 155	MG/L	Grab	January thru December
Solids, Total Suspended	Effluent Gross Value	REPORT DCL = 155	MG/L	Grab	January thru December
Oil and Grease	Effluent Gross Value	REPORT DCL = 70	MG/L	Grab	January thru December
Chemical Oxygen Demand (COD)	Effluent Gross Value	REPORT DCL = 500	MG/L	Grab	January thru December

PART IV

SPECIFIC REQUIREMENTS: NARRATIVE

Notes and Definitions

A. Footnotes

1. Notes

- a. "Sample Point – Pinelands" is only applicable to facilities which are located within the Pinelands Protection or Preservation Areas. A nitrate (as N) limit of 2 mg/L shall be met either at the point of discharge or in the downgradient monitoring wells.
- b. "Sample Point – Highlands" is only applicable to new or expanding facilities which are located within non-conforming municipalities within the Highlands Planning Area. A nitrate (as N) limit of 6 mg/L shall be met either at the point of discharge or in the downgradient monitoring wells.

B. Definitions

1. Definitions

- a. "Advanced wastewater pretreatment device" means a National Sanitation Foundation (NSF) International Standard 40 or Standard 245 certified technology which may be incorporated as a part of an onsite wastewater treatment system, which bears the NSF mark and is designed, installed, operated, monitored and maintained in accordance with that certification and this chapter. This definition also includes those technologies that are authorized for use in the Pinelands Area through the Pinelands Advanced Wastewater Treatment Systems Pilot Program at N.J.A.C. 7:50-10.23.
- b. "Aliquot" means a sample of specified volume used to make up a total composite sample.
- c. "Annual(ly)" means monitoring conducted at a minimum of once every twelve calendar months.
- d. "Authorized service provider" means an individual who maintains an advanced wastewater pretreatment device and/or drip dispersal system in accordance with N.J.A.C. 7:9A-12.3, who monitors the system remotely and who responds appropriately to alarm conditions. This individual must either hold an S2 or greater license pursuant to N.J.A.C. 7:10A; or have completed all training required by a manufacturer of an advanced wastewater pretreatment device that is listed by the Department in accordance with N.J.A.C. 7:9A-8.3; and/or be a listed system integrator of a drip dispersal system in accordance with N.J.A.C. 7:9A-10.8.
- e. "Cesspool" means a covered pit with open-jointed lining into which untreated sewage is discharged, the liquid portion of which is disposed of by leaching into the surrounding soil, the solids or sludge being retained within the pit.
- f. "Daily" means monitoring conducted every calendar day, including weekends and holidays.

- g. "Design Criteria Level (DCL)" means a pollutant concentration that the Department has determined that, when exceeded, represents a level of concern. For the purpose of this permit, design criteria are established as design goals for high strength wastewater pretreatment that actively treats and reduces fats, oils and grease (FOG), total suspended solids (TSS) and biochemical (BOD) and chemical (COD) oxygen demand and are not established as numeric effluent limitations. Sampling results exceeding the design criteria will not be deemed violations.
- h. "Flow Rate" means the volume per time unit given to the flow of gases or other fluid substance which emerges from an orifice, pump, or turbine or passes along a conduit or channel.
- i. "Food service" means those activities associated with the handling, preparing or serving of food and/or drinks for sale to any individual or group that does not work at the facility that will result in the generation of wastewater. These activities are typically characterized by the use of heating, cooling, cooking or cleaning equipment including walk-in refrigeration units, stoves, fryers, ovens, warmers, steamers, dishwashers and sinks typically used for food or dish washing. Examples of food service include, but are not limited to, cafes, snack bars, ice cream making, bakeries, and wineries/breweries/distilleries (with and without tasting rooms).
- j. "Grab sample" means an individual sample collected over a period not exceeding 15 minutes.
- k. "In-kind repair" means to replace worn, damaged, defective, or inoperable wastewater pumps, septic tanks, and associated components, provided that the capacity and location of a given component will not change. It also includes rehabilitation or replacement of existing building sewer lines to the septic tanks or sewer lines that lead to the disposal field, as well as disposal field repairs due to mechanical problems, such as a broken pipe or tree root obstruction. It does not include disposal field replacement, which requires a Treatment Works Approval (TWA) in accordance with N.J.A.C. 7:14A-22 et seq.
- l. "Individual subsurface sewage disposal system" (also called "septic system" or "system"), per N.J.A.C. 7:9A, means a collection of components for disposal of sanitary sewage into the ground which is designed and constructed to treat sanitary sewage in a manner that will retain most of the settleable solids in a septic tank or may incorporate an advanced wastewater pretreatment device and discharges liquid effluent of typical domestic strength to a disposal field. A system may include advanced wastewater pretreatment. Cesspools, privies, latrines, pit toilets, outhouses, composting or waterless toilets, direct discharges to the ground surface or water courses, and illegally constructed or altered treatment or disposal mechanisms are not systems.
- m. "Month(ly)" means monitoring conducted at a minimum of once every calendar month.
- n. "Non-sanitary waste" means any waste not considered to be from human origin or contain putrescible material and is considered to be industrial, hazardous, or toxic.
- o. "Property" means:
 - i. A single lot as defined by municipal lot and block or right of way; or
 - ii. The combined area contained within the legal boundaries of two or more contiguous lots where, for any part of each of those lots, there is a shared pecuniary, possessory or other substantial common interest by one or more persons (such as common ownership and/or operation or a common plan of development or sale).
- p. "Quarter(ly)" means monitoring conducted at a minimum frequency of once every three calendar months.

- q. “Regulated Unit” means any part of a wastewater disposal system, including but not limited to all toilets, piping, drains, sewers, septic tanks, grease traps, distribution boxes, dosing tanks, disposal tanks, disposal fields, etc., that is monitored under the requirements of this permit.
- r. “Sanitary Sewage” means any liquid waste containing animal or vegetable matter in suspension or solution, or the water carried wastes resulting from the discharge of water closets, laundry tubs, washing machines, sinks, dishwashers, or any other source of water carried wastes of human origin or containing putrescible material, in accordance with N.J.A.C. 7:14A-1.2. This term specifically excludes industrial, hazardous or toxic wastes and materials.
- s. “Single-family home” for the purposes of this permit means a structure designed for residential use by one family. This does not include congregate living facilities, apartments, condominiums, townhouses and/or duplex homes.

Discharge to Ground Water - Sanitary Discharge (GP)

A. Monitoring Requirements

1. Conditions Associated with Both Discharge and Ground Water Monitoring

- a. All monitoring shall be conducted as specified in Part III.
- b. The Permittee shall perform all water/wastewater analyses in accordance with the analytical test procedures specified in 40 C.F.R. 136, unless other test procedures have been approved by the Department in writing or as otherwise specified in the permit.
- c. All monitoring required by this permit shall be performed by a laboratory certified by the Department for the analysis of those specific parameters in accordance with N.J.A.C. 7:18.
- d. The permittee must develop and maintain a sampling plan that details the sampling and analytical procedures for all parameters under Part III of this permit, pursuant to N.J.A.C. 7:14A-7.7 and in the latest version of the Department's Field Sampling Procedures Manual.
 - i. This sampling plan must utilize field and trip blanks as specified in the Field Sampling Procedures Manual.
 - ii. The permittee must submit the sampling plan within 30 days of a written request from the Department.
- e. Parameters with a "Report" requirement have no limit established by this permit. The permittee is still required to analyze the discharge sample for the parameter and report its value. Failure to sample and report the value is a permit violation.

2. Conditions Associated with Discharge Monitoring

- a. Sampling shall begin with commencement of discharge.
- b. Discharge Monitoring Sample(s) shall be taken prior to discharge to the disposal area(s).
- c. Daily maximum flow from each discrete discharge(s) on the regulated property shall be monitored and reported on the appropriate monitoring report form.
 - i. A continuously recording in-line flow measuring device shall be used to determine daily flow. Alternatively, other methods, such as counting pump cycles or monitoring water use for each regulated unit, may be used instead of a continuous flow monitoring device.

3. Conditions Associated with Ground Water Monitoring

- a. The permittee shall maintain a minimum of one (1) piezometer well per disposal area, as specified in Part III, unless otherwise authorized by the Department.
- b. If advanced wastewater treatment with ultraviolet (UV) disinfection is incorporated in the system and compliance with the GWQS is achieved prior to the point of discharge to disposal area, ground water monitoring wells will not be required.
- c. The following applies to facilities that will not achieve compliance with the GWQS prior to the point of discharge to disposal area.
 - i. The permittee shall maintain a minimum of three (3) ground water monitoring wells, one (1) upgradient and two (2) downgradient, for each disposal area as specified in Part III, unless otherwise authorized by the Department.

Discharge to Ground Water - Sanitary Discharge (GP)

- ii. The upgradient monitoring well must be sampled first and then the downgradient wells may be sampled in any order.
- iii. GWQS are to be achieved in the downgradient monitoring wells.

B. Reporting Requirements

1. Conditions Associated with Discharge and Ground Water Monitoring

- a. The permittee shall submit monitoring data on the applicable Monitoring Report Forms (MRFs) as set forth in Part III of this permit.
- b. Failure to submit sampling data on the MRFs as specified in Part III is a permit violation and may subject the permittee to civil and administrative penalties pursuant to N.J.S.A. 58:10A-10 et seq.
- c. If any Volatile Organic Compound (VOC) is detected above the Reporting Limit (RL) but below the Compliance Quantity limit (GWQS) as set forth in Part III, the permittee shall investigate and eliminate the source of the VOC. The permittee shall document investigations and actions taken, reports of which shall be kept onsite and made available for review upon request from the Department.
- d. If any VOC result exceeds the Compliance Quantity limit (GWQS) as set forth in Part III, the permittee must notify BGRPA within seven (7) days of receiving the analytical result. This is in addition to reporting this analytical result on the required MRF. After reviewing the analytical results, the Department may require the permittee to: increase the monitoring frequency for the substance in question; impose ground water quality monitoring for that substance; locate and remove the source of the substance from the waste stream; and/or develop and implement measures to ensure that contamination of the system will not occur. The permittee shall comply with any deadline or requirement imposed by the Department regarding additional monitoring or removal of the substance(s) from the wastestream.

C. Recordkeeping Requirements

1. Conditions Associated with Discharge and Ground Water Recordkeeping

- a. The permittee shall retain records of all monitoring information including all calibration and maintenance records, all original strip chart recordings for continuous monitoring instrumentation, copies of all reports, and all data used to complete the application for this permit.
- b. Records of monitoring information shall include the date, locations and time of the sampling or measurements, the individual who performed the sampling or measurements, the date the samples were collected, the date the samples were analyzed, the individual who performed the analysis, the analytical method used, and the results.
- c. Records referenced in a. and b. above shall be retained by the permittee for a minimum period of at least five (5) years.
- d. All records shall be available for Department review during periodic inspections or submitted upon written request.

D. Plot Plan

1. Plot Plan Requirements

- a. The Plot Plan, submitted as part of the complete RFA, shall be maintained and kept onsite. A revised Plot Plan shall be submitted within sixty (60) days of a change in site conditions.
- b. The Plot Plan shall include, at a minimum:
 - i. Property boundaries, including municipal tax block and lot information;
 - ii. The location of all regulated units. The regulated unit includes any part of a wastewater disposal system, including but not limited to all toilets, piping, drains, sewers, septic tanks, grease traps, distribution boxes, dosing tanks, disposal fields, seepage pits, cesspools, etc. that are monitored under the requirements of this permit. Each regulated unit shall be identified as Unit #1, Unit #2, etc.;
 - iii. The location of each discharge monitoring point. Each discharge monitoring point shall be identified as T01T for Unit #1, T02T for Unit #2, etc.;
 - iv. The location of all existing and proposed wells (water supply, monitoring, piezometer, irrigation, etc.);
 - v. The location of all existing and proposed structures located on the site and their associated regulated units, if applicable. Structures include, but are not limited to, residential homes, barns, commercial buildings, farm stands, sheds, garages, etc.;
 - vi. The location of all surface water bodies, wetlands;
 - vii. The location of all soil borings, soil test pits and permeability tests;
 - viii. The location of all existing and proposed roadways;
 - ix. The location of stormwater management facilities (i.e., detention/retention basins, catch basins, drainage swales, etc.);
 - x. The location of all underground storage tanks; and all rock outcrops or sinkholes, gullies and other erosional features; and
 - xi. The direction of ground water flow.

E. Conditions Relating to Underground Injection Control (UIC) Discharges

1. General Provisions

- a. The permittee shall maintain, or supply, an adequate disposal area as required by N.J.A.C. 7:9A.
- b. Failure to operate and maintain treatment works and facilities, which are installed or used by the permittee to achieve compliance with the terms and conditions of the permit, is a violation of this permit.
- c. When a regulated unit poses a potential health risk or hazard, measures must be taken to restrict unauthorized access to the site or unit and to minimize the potential for contact with the pollutants.
- d. When any regulated unit must be removed from service for reasons other than routine maintenance and/or scheduled rotation; or creates an unpermitted discharge; or fails hydraulically, the permittee is required to implement the corrective action as outlined in Part IV.F.3.

- e. If discharge from a regulated unit exceeds the design criteria levels (DCL) provided in Part IV.E.2., or causes contravention of the GWQS, the permittee is required to implement corrective measures in accordance with the requirements outlined in Part IV.F.3. of this permit.
- f. Chlorine shall not be incorporated into the treatment process.

2. High Strength Waste Requirements for Food Service

- a. High strength wastewater pretreatment shall be incorporated into all systems which have a food service component as defined in Part IV. Notes and Definitions Section B.1.i.
- b. The wastewater pretreatment components shall be designed to meet the following design criteria level:
 - i. Total Suspended Solids (TSS): ≤ 155 mg/L;
 - ii. Five-Day Biochemical Oxygen Demand (BOD5) ≤ 155 mg/L;
 - iii. Chemical Oxygen Demand (COD) ≤ 500 mg/L; and
 - iv. Fats, Oils and Grease (FOG) ≤ 70 mg/L.
- c. Grease removal components must be equipped with audio and visual alarms to identify when the storage capacity of the system has reached 75 percent. When the storage capacity reaches 75 percent, the operator of the system shall take immediate steps to maintain design criteria levels by ensuring that grease is removed from the system. Disposal of grease must be done in compliance with all applicable Federal, State, and local requirements.
- d. The high strength wastewater pretreatment design criteria levels, from each discrete regulated unit on the subject property, shall be monitored and reported in accordance with Part III.
- e. If the sampling results for any regulated unit exceed any of the high strength wastewater pretreatment DCL as depicted in Part III for 3 consecutive monitoring periods, the permittee shall evaluate the system and determine the cause of the exceedance.
- f. The permittee shall provide a plan to BGRPA to address the consecutive exceedances within 90 days of identification as identified in e. above. Such plan may require additional treatment and shall include the following:
 - i. The corrective measures to be implemented, including the additional treatment, if applicable, to meet the high strength wastewater pretreatment design criteria levels.
 - ii. Additional treatment, if applicable, shall be designed to actively remove fats, oils, and grease, as well as reduce total suspended solids, biological and chemical oxygen demand, and shall be incorporated into septic system design.
 - iii. The permittee shall implement the plan within six (6) months of submission to BGRPA.
- g. If the facility continues to exceed the high strength wastewater pretreatment DCLs after corrective measures have been implemented, the Department may revoke the authorization under this general permit and regulate the facility under a more appropriate permit document, such as an individual NJPDES permit or authorization under another general permit, pursuant to N.J.A.C. 7:14A-6.13 and 16.4.

- h. All the above-mentioned materials shall be submitted, as applicable, to:
dwq_groundwater@dep.nj.gov.

F. Conditions Relating to Operation and Maintenance

1. Operation and Maintenance Plan

- a. The permittee shall develop and implement an Operation and Maintenance (O&M) Plan within 90 days of the effective date of the permit authorization (EDPA).
- b. The O&M Plan shall ensure the proper continued functioning of all regulated units, and shall include the following information:
 - i. A schedule of the maintenance and inspections of the regulated unit(s) at a frequency of 1/month as established in Part IV.F.2;
 - ii. A schedule of the recommended inspections and calibrations for all flow monitoring devices at the frequency prescribed by the specific device manufacturer;
 - iii. Assessment of emergency situations which may affect the discharge activities as outlined in N.J.A.C. 7:14A-6.12(d)3. Emergency procedures in the O&M Plan shall not create an unpermitted discharge or contravene any rules or regulations. If the discharge flows to the regulated units without the aid of pumps, the emergency plan only needs to address equipment and emergency procedures;
 - iv. Procedures for correcting emergency situations;
 - v. Procedures for notifying the appropriate agencies; and
 - vi. Location of any onsite temporary or permanent pollutant storage areas.
- c. After an emergency situation has been corrected, the permittee shall review the emergency procedures in place and, if necessary, update the O&M Plan.
- d. The O&M Plan shall be kept onsite and available for review upon request by the Department.

2. Visual Inspections

- a. Visual inspections shall be conducted monthly, at a minimum, for systems which operate year-round. For systems operated seasonally, at least one visual inspection must be conducted each month (or part of months) of operation.
 - i. A visual inspection of an individual subsurface sewage disposal system includes, but is not limited to, an inspection of all septic tanks, pumps, siphons, distribution boxes, and disposal fields.
- b. When an inspection of the individual subsurface sewage disposal system identifies that maintenance is required to ensure continued proper operation of the system, said maintenance must be performed without delay.
 - i. Within 48 hours of discovery of maintenance needs, the permittee shall determine the course of action that will be taken to address the problem.
- c. The visual inspections shall evaluate the system for evidence of malfunction.

- i. Evidence of malfunctioning systems shall include, but not be limited to, hydraulic failure and/or unpermitted discharge, breakout, ponding, wet areas, odors and an overabundance or loss of vegetative cover.
- d. If evidence of malfunction is discovered, the permittee shall institute corrective action as specified in Section F.3. below.
- e. The permittee shall develop a visual inspection log which, at a minimum, provides detailed records of the monthly visual inspections and outlines any actions which are required.
- f. The inspection log shall be maintained on site at all times and shall be available to the Department upon request. The permittee may choose any organized method of recordkeeping.

3. Corrective Action

- a. If the system is found to be malfunctioning in accordance with Section F.2., the permittee shall institute, at a minimum, the following corrective actions:
 - i. Immediately cease discharge to the affected disposal area and, if necessary, pump and haul wastewater;
 - ii. Contact the appropriate Regional Enforcement Bureau in Part II.B.5.b. above (and the NJDEP Hotline at 1-877-927-6337 if required by N.J.A.C. 7:14A-6.10) and the BGRPA at dwq_groundwater@dep.nj.gov to report the malfunction as soon as possible after it is observed;
 - iii. Follow procedures for emergency situations outlined in the facility's O&M Plan; and
 - iv. Determine the probable cause of malfunction and have a New Jersey Licensed P.E. design a remedy.
- b. If the cause of malfunction was determined to be unintentional overloading of the disposal area due to unequal distribution of the discharge or heavy rain, snow melt, etc., the permittee shall continue to implement the measures outlined in the facility's O&M Plan and shall not resume discharging until the affected disposal area drains and returns to operational status. If the failing disposal area is determined to be under-sized for the given flow or physically clogged, Department-approved measures must be taken to rectify the situation.
- c. If a regulated unit needs to be replaced or altered, the permittee shall contact the Bureau of Environmental Engineering and Permitting (BEEP) at (609) 984-4429 to determine if a Treatment Works Approval (TWA) is required. The permittee shall demonstrate that the replacement or altered system will adequately correct the malfunction.
 - i. The permittee is allowed to perform in-kind repairs to the system without the need for a TWA; however, the permittee shall contact BEEP for this determination prior to implementing the repair.
- d. All repairs, alterations, and/or modifications to individual subsurface sewage disposal systems that involve the practice of engineering, as defined by N.J.S.A. 45:8-28(b), shall be conducted under the supervision of a New Jersey Licensed P.E.

4. Elimination of Cesspools

- a. Any facility with cesspools, outhouses or privies that are operating or not properly closed shall submit a closure plan within 3 months of the EDPA or discovery.

- i. The closure plan must include an estimated timeframe for when the facility will submit a TWA to replace the cesspools, outhouses or privies with an adequate individual subsurface sewage disposal system and include final closure dates.
- b. Implementation of the closure plan must begin within 6 months of EDPA or discovery.
- c. Any facilities that need to amend or modify a cesspool closure plan may do so in consultation with BGRPA.
- d. Any cesspool(s) shall be closed in accordance with the requirements of Part IV.F.5 below.

5. Closure Requirements

- a. The permittee shall properly close any existing regulated units which will not be utilized, in accordance with the procedures outlined in N.J.A.C. 7:14A-23.34. Proper closure shall include, but is not limited to, the following procedures:
 - i. Adequate sealing of the influent and effluent lines;
 - ii. Proper disposal of all physical facilities including the treatment units (septic tanks), outfall lines, and all mechanical and electrical equipment and piping; and
 - iii. Elimination of any piping where there may be a cross-connection (receiving both sanitary and any other discharge).
- b. At least 60 days prior to taking the facility or certain regulated units out of service, the permittee shall notify the appropriate Department Enforcement Bureau identified in Part II.B.5.b above.

G. Conditions Relating to Ground Water Wells

1. Requirements for Piezometer Well

- a. The piezometer well shall be utilized to determine depth of ground water from the infiltrative surface of the disposal area.
- b. Within thirty (30) days of EDPA for an existing piezometer well or within thirty (30) days of installation of a new piezometer well, the permittee shall submit the following piezometer well information to the Department:
 - i. Elevation of the top of casing;
 - ii. Elevation of the infiltrative surface; and
 - iii. Elevation of the existing ground surface.

2. Well Installation and Abandonment Requirements

- a. The permittee shall install any wells required by this permit within ninety (90) days of EDPA unless otherwise approved by the Department in writing.
- b. The permittee shall provide a minimum of 2 weeks notification to BGRPA prior to installing any wells required by this permit. At the permittee's option, a representative of BGRPA will assist in field locating the wells prior to the installation of the wells or, if possible, on the day the wells are to be drilled.

- c. Satisfactory ground water monitor wells are defined in N.J.A.C. 7:14A-9.4 of the NJPDES regulations and shall be subject to Departmental approval. If the wells do not meet these standards, they must be replaced with satisfactory wells.
- d. All wells must be installed by a licensed New Jersey well driller and constructed according to the specifications outlined in N.J.A.C. 7:9D for the appropriate site conditions (bedrock formation, unconsolidated, and confined unconsolidated aquifers). At the time of construction, the well driller must possess a valid well permit number for each well.
- e. Replacement wells that are installed within 10 feet of damaged wells require Department notification at the same time the well certification forms are submitted. Replacement wells installed greater than 10 feet from the damaged wells require prior written approval from the Department. The requirement to replace a damaged well does not relieve the permittee from compliance with their monitoring schedule.
- f. Inadequate or damaged wells must be properly sealed and abandoned pursuant to N.J.S.A. 58:4A-4.1 et. Seq. All sealing must be performed by a New Jersey licensed well driller of the proper class. Regulations regarding well decommissioning and a list of New Jersey licensed well drillers may be obtained by contacting the Bureau of Water Allocation and Well Permitting at (609) 984-6831.

3. Well Certifications

- a. For a new well, Monitoring Well Certification Forms A and B shall be submitted within thirty (30) days of installation.
- b. For an existing well, Monitoring Well Certification Forms A and B shall be submitted with the application. If the information required on the Certifications (Forms A and B) cannot be determined or the well is not adequately constructed to meet the requirements of this permit, the Department may require its replacement. Criteria to be used by the Department in judging the adequacy of a well will be related to the well's ability to provide a representative ground water sample from the interval of the formation which the Department requires to be sampled.
- c. Monitoring Well Certification Forms can be found at:
https://www.nj.gov/dep/dwq/forms_ground.htm and shall be submitted to BGRPA at:
dwq_groundwater@dep.nj.gov.

4. Maintenance and Record Keeping

- a. At a minimum, each well shall be inspected on a regular basis for structural integrity and/or damage.
 - i. The permittee shall maintain a complete inspection record indicating dates of inspection, inspector's name, and conditions observed.
 - ii. These records shall be made available to the Department upon request.
 - iii. Failure to maintain complete and accurate records, or to submit them upon request, is a violation of this permit.

NJPDES MASTER GENERAL PERMIT PROGRAM INTEREST, Trenton

Permit No.NJ0309672
DGW240002 Ground Water Master General Permit New