



State of New Jersey

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Governor

DEPARTMENT OF ENVIRONMENTAL PROTECTION
Mail Code 401-02B

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Lt. Governor

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/

March 14, 2024

Re: **FINAL NJPDES-DGW PERMIT**
Ground Water Master General Permit – New
Category: GFSD – Discharge to Ground Water – Sanitary Discharges at Farms (GP)
NJPDES Permit No. NJ0347833; Program Interest No.: 50577
NJPDES Master General Permit Program Interest
Trenton City, Mercer County

Dear Interested Parties:

Enclosed is a **final** New Jersey Pollutant Discharge Elimination System (NJPDES) permit action identified above which has been issued in accordance with N.J.A.C. 7:14A. This action authorizes the discharge of sanitary sewage to ground water from farms that utilize individual subsurface sewage disposal systems.

Comments were received on the draft NJPDES New Master General Permit No. NJ0347833 issued on December 7, 2023 and public noticed in the Trenton Times on December 12, 2023, The Star Ledger on December 12, 2023, The Press of Atlantic City on December 14, 2023 and the DEP Bulletin on December 20, 2023. The public comment period ended on January 19, 2024. A summary of the significant and relevant comments received on the draft action during the public comment period, the Department's responses, and an explanation of any changes from the draft action have been included in the Response to Comments document attached hereto as per N.J.A.C. 7:14A-15.16.

Pursuant to N.J.A.C. 7:14A-6.13, persons seeking authorization under a general permit shall submit to the NJDEP a written request for authorization. Upon reissuance of this general permit, existing authorizations shall be automatically renewed as allowed pursuant to N.J.A.C. 7:14A-6.13(d)9.

If you have questions regarding the final action, please contact me at Stephen.Boyer@dep.nj.gov.

Sincerely,

Stephen Boyer, Section Chief
Bureau of Ground Water, Residuals, and Permit Administration

c: Per Distribution List
Michele Christopher, NJDEP, Bureau Chief (BGRPA), michele.christopher@dep.nj.gov
Kerri Standowski, NJDEP, Environmental Specialist 3 (BGRPA), kerri.standowski@dep.nj.gov
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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
FOG	Fats, Oils, and Grease
GFSD	Discharge to Ground Water - Sanitary Discharges at Farms
GP	General Permit
GWCF	Discharge to Ground Water -Sanitary Discharges from Commercial Activities at Farms
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 Work Approval
UG/L	Micrograms per Liter
UIC	Underground Injection Control
UV	Ultraviolet
VOC	Volatile Organic Compounds
WCR	Waste Characterization Report

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: GFSD – Discharge to Ground Water - Sanitary Discharges at Farms (GP)

Description of Permit Action:

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.

This action is a new master general permit (NJ0347833) for Sanitary Wastewater Discharges on farms (Category GFSD). Eligibility for this permit is limited to farms where the aggregate volume of sanitary wastewater on the property (excluding a single family home(s) on its own system(s)) is greater than 2,000 gallons per day. A master general permit for Sanitary Wastewater Discharges from Commercial Farm Activities (NJ0136263) was issued on December 23, 2021 (Category GWCF). This new subject master general permit serves to replace the GWCF in order to remove the ambiguity on what constitutes a commercial farm activity and capture all regulated discharges of sanitary sewage to ground water via individual subsurface sewage disposal systems on farms. With the issuance of the new GFSD master general permit the GWCF will be revoked, and existing authorizations under the GWCF will be reissued under the GFSD.

Name and Address of the Applicant:

Indicated on Individual Authorization

Name and Address of the Facility/Site:

Indicated on Individual Authorization

Location of the Facility:

Statewide

Name and Classification of Receiving Water:

Ground Waters of the State
Classes I, II & III

Description of Eligible Facilities:

This New Jersey Pollutant Discharge Elimination System - Discharge to Ground Water (NJPDES-DGW) new general permit (NJ0347833) is issued in accordance with the NJPDES Regulations, N.J.A.C. 7:14A-1 et seq. and authorizes the discharge to ground water of sanitary sewage from wastewater generating activities at farms that utilize individual subsurface sewage disposal systems. Eligibility for this permit is limited to farms with discharges of sanitary sewage to ground water via septic systems, where the aggregate volume of sanitary sewage on the property is greater than 2,000 gallons per day as calculated in accordance with N.J.A.C. 7:9A-7.4. This volume excludes systems serving one single family home on one individual property with a design flows less than 2,000 gallons per day.

The Department recognizes that, in certain instances, the farm 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 and 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. However, a single family home served by a septic system which also receives discharge from other uses, such as the farm activities regulated under this permit or additional residential uses, is not exempt from NJPDES-DGW and Underground Injection Control requirements unless the aggregate sanitary wastewater design flow of the property is less than 2,000 gallons per day. Such discharges may be regulated under this permit provided all eligibility requirements are satisfied. As such, the design flow of a single family home that is properly excluded from the scope of this permit (i.e., on its own system), will not be added into the aggregate design flow of the property for the purposes of determining eligibility for this permit.

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. Examples of sanitary discharges on farms, as defined within this permit, include, but are not limited to, food service, retail shops, day camps, wedding venues, rental apartment units, and festivals.

Any discharges associated with non-sanitary waste, including but not limited to, wastewater associated with the washing of crops, farm equipment, crop packaging processes, slaughter/butcher liquid waste, egg washing, or wine production waste are not eligible for authorization under this general permit.

Farms 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 by 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. 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.

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.

General Eligibility Criteria:

The group of dischargers eligible for this general permit are categorized as farms, as defined within this permit, with sanitary discharges to individual subsurface sewage disposal system(s). 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 in order to protect public 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.

Request for Authorization:

A complete application is considered to be the Request for Authorization (RFA). An RFA consists of a NJPDES-1 form, a topographic map, a Form R, a GFSD Facility Information Form, Pinelands Certification (where applicable), evidence that the property is a qualified farm, and Site Specific Technical Information as detailed in Part II C.3.a. of this permit. 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 eligibility under this master general 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. Please contact the New Jersey Pinelands Commission 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

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.).

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 well(s).

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 well(s).

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).

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

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.

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.1 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, one (1) downgradient monitoring well for each disposal area on the property will be required for those facilities incorporating Treatment Option 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 well(s) 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.1 of the permit. Data from the downgradient monitoring well(s) 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. 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 recorded on a quarterly basis and data kept onsite, and shall include the following information:

- Elevation of ground surface (measured to the nearest 0.1 feet). Please note that this measurement should remain constant;
- Depth to ground water from original ground surface (measured to the nearest 0.1 feet);
- Elevation of top of piezometer well casing above ground surface (measured to the nearest 0.1 feet) Please note that this measurement should remain constant after the initial installation of the piezometer well(s); 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

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 waste 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 shall be reported on 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 one 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 well(s).

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

Discharge monitoring requirements (TOYT): 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 (MW0I and MW0Y): This permit requires quarterly sampling of the ground water monitoring wells. Monitoring wells, one located upgradient, and one located downgradient for each disposal area, shall be sampled quarterly for 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 well(s).

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.

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/dwg/mrf.htm.

Contact Information:

For further information regarding the Sanitary Discharges at Farms General Permit NJ0347833 (Discharge Category GFSD) visit the Division of Water Quality website at <https://dep.nj.gov/dwq/about-dwq/#bgrpa> or contact the Bureau of Ground Water, Residuals, and Permit Administration Ground Water Unit staff at dwq_groundwater@dep.nj.gov.

Administrative Record:

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

1	N.J.S.A. 58:10A-1 <i>et seq.</i> , New Jersey Water Pollution Control Act.*
2	N.J.A.C. 7:14A-1 <i>et seq.</i> , New Jersey Pollutant Discharge Elimination System Regulations*
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 -1 et sec.)*
6	Pinelands Comprehensive Management Plan (N.J.A.C. 7:50)*
7	NJPDES Master General Permit No. NJ0136263*
8	Distribution List

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

RESPONSE TO COMMENTS

Comments were received on the draft NJPDES New Master General Permit No. NJ0347833 issued on December 7, 2023 and public noticed in the *Trenton Times* on December 12, 2023, *The Star Ledger* on December 12, 2023, *The Press of Atlantic City* on December 14, 2023 and the *DEP Bulletin* on December 20, 2023. The public comment period ended on January 19, 2023. The following person commented during the public comment period:

1. Theodore H. Bayer of Bayer- Risse Engineering, Inc. dated January 17, 2024.

A summary of the timely and significant comments received, the Department of Environmental Protection's (Department) responses to these comments, and an explanation of any changes from the draft action have been included below.

1. COMMENT:

Based on the Fact Sheet:

"Eligibility for this permit is limited to farms where the aggregate volume of sanitary wastewater on the property (excluding a single family home(s) on its own system(s)) is greater than 2,000 gallons per day."

How will farms with aggregate volume of sanitary wastewater on the property (excluding a single family home(s) on its own system(s)) less than 2,000 gallons per day (gpd) be permitted if the volume of sanitary wastewater from a single family residence(s) creates a total site flow greater than 2,000 gpd?

RESPONSE:

The flow from a single family home, as defined in the permit, served by its own individual subsurface sewage disposal system shall not be included in the calculation of aggregate flow for determination of permit applicability, assuming the design flow for that single family home is under 2,000 GPD. Such discharges are regulated by the local administrative authority (i.e., local health department). See Part II C.1.a. Assuming this is the case under the situation described by the Commenter, the property would not require a NJPDES permit since the flow from the single family home would not be counted towards the aggregate volume and the aggregate volume is under 2,000 GPD.

If the single family home does not meet the exemption requirements (as described above and in the permit at Part II C.2.c.), the flow from the single family home must be included in the aggregate volume of sanitary sewerage on the property. Examples of non-exempt single family homes include:

- a) The flow from the single family home is directed to a system that also captures flow from other regulated activities onsite;

- b) The flow from the single family home is directed to a system that also captures flow from one or more additional single family homes on the property; or
- c) The design volume for the system serving the single family home is greater than 2,000 gpd.

If the calculated flow from farm activities is 2,000 gpd or less, but the property includes a non-exempt single family home(s) that pushes the aggregate volume of sanitary sewerage on the property over 2,000 gpd, a NJPDES permit for Discharges to Ground Water is required.

Full eligibility requirements are set forth in Part II.C. of the permit.

No changes have been incorporated into the final permit as a result of this comment.

2. COMMENT:

Does the permit allow for multiple single-family residences on one site if the combined residential flow does not exceed 2,000 gpd?

Would all single-family residence systems on the property be designed, constructed, installed and operated in compliance with N.J.A.C. 7:9A and typically be regulated by local health departments if their combined flows are less than 2,000 gpd?

RESPONSE:

This depends on the specifics of the system. Multiple single-family homes, each served by their own individual subsurface sewage disposal system, which are designed, constructed, installed and operated in compliance with N.J.A.C. 7:9A, and each with a design volume of 2,000 gpd or less, are not included in the aggregate volume of sanitary sewerage on the property for permit applicability. In these cases, the number of homes or the aggregate flow from these homes is not relevant and such systems will continue to be regulated by the local administrative authority. However, the flow from a single-family home, served by its own individual subsurface sewage disposal system, will be included in the design volume for permit applicability, and regulated by this permit, when the design volume for that single family home is greater than 2,000 gpd.

No changes have been incorporated into the final permit as a result of this comment.

3. COMMENT:

Can the direction of groundwater flow be determined from existing wells and wells from surrounding properties?

RESPONSE:

Yes, the direction of ground water flow can be obtained from ground water elevations of existing wells and wells on surrounding properties. Any information used for determination of ground water flow must, to the satisfaction of the Department, adequately demonstrate direction of ground water flow on the property.

No changes have been incorporated into the final permit as a result of this comment.

4. COMMENT:

Is there a maximum distance that a piezometer well can be from a disposal area?

RESPONSE:

Piezometer wells are wells that are installed and used to collect water level data but are not used for the collection of groundwater samples. There is no set distance that a piezometer well is required to be located in relation to the system for which it is installed. However, generally, each piezometer well shall be located within the designated disposal area and as close to the disposal field as possible in order to be representative of the water level within the disposal field. The Department will be approving the number and location of each piezometer well, which will be identified in the permit authorization.

No changes have been incorporated into the final permit as a result of this comment.

5. COMMENT:

Does the depth of the seasonal high-water table need to be determined from the piezometer well or can this be determined through mottling/seepage observed within a soil log?

RESPONSE:

The direction of ground water flow is identified as a submission requirement as part of the Plot Plan at Part IV.D.1.b.xi and as part of the Site Specific Technical Information identified at Part IV.C.3.a.vi. The depth of the seasonal high-water table can be obtained from piezometer wells through direct observation only during the months of January through April. Alternatively, depth to seasonal high water can be obtained through mottling/seepage as observed from soil log data.

No changes have been incorporated into the final permit as a result of this comment.



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: NJ0347833

FINAL: Ground Water Master General Permit New

Permittee:

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

Co-Permittee:

Property Owner:

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

Location Of Activity:

NJPDES Master General Permit
Program Interest Category GFSD
Per Individual Notice of Authorization
Division of Water Quality
Mail Code 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
GFSD – Sanitary Discharges at Farms (GP)	03/14/2024	05/01/2024	04/30/2029

By Authority of:
Commissioner's Office

DEP AUTHORIZATION

Michele Christopher, 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 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, including the cessation of discharge in accordance with N.J.A.C. 7:14A-6.7.

- b. The permittee shall notify 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)
7 Ridgedale Avenue
Cedar Knolls, NJ 07927
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)
2 Riverside Drive
Suite 201
Camden, NJ 08103
856-614-3655.

- ii. Contact information for BGRPA is as follows:
- Mail Code 401-02B
Bureau of Ground Water, Residuals, and Permit Administration
P.O. Box 420
401 E State St
Trenton, NJ 08625-0420
609-984-4428

or

dwq_groundwater@dep.nj.gov

5. Licensed Operator Requirements

- a. The owner of a system(s) covered under this General Permit is not required to employ a licensed operator in accordance with N.J.A.C. 7:10A-1.10(c)5.

6. 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.

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

- a. Preceding any change in ownership and/or permittee/operating entity, the current permittee shall provide written notice to the Department at least thirty (30) days prior to the proposed transfer date as set forth in N.J.A.C. 7:14A-16.2.
- i. Permittees requesting a transfer of permit authorization shall submit the Department's Application for Transfer of a NJPDES Permit form available on the Department's website at https://dep.nj.gov/wp-content/uploads/dwq/pdf/forms_and_checklists/form_transfer.pdf.

8. Notification of Facility Contact Changes

- a. The permittee shall notify the Department within two weeks of a change to any of the following facility contacts:
 - i. Permittee/Operating Entity Contact;
 - ii. Property Owner Contact;
 - iii. Facility Contact; or
 - iv. Fees/Billing Contact.
- b. The Contact Information Update form shall be submitted to update specific contact information, which is available on the Department's website at https://dep.nj.gov/wp-content/uploads/dwq/pdf/forms_and_checklists/njpdess2.pdf. Please note, if there is any change (beyond contact information) to the Permittee/Operating Entity or Property/Land Owner (e.g. organization name change, sale of a facility), the Application for a Transfer of a NJPDES Permit form must be completed as outlined in B.7. above.

C. Eligibility

1. Authorized Discharges

- a. Eligibility for this permit is limited to farms with discharges of sanitary sewage to ground water via an individual subsurface sewage disposal system(s), where the aggregate volume of sanitary sewage on the property is greater than 2,000 gallons per day as calculated in accordance with 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 excluded pursuant to C.2.c. below.

2. Discharges Not Authorized

- a. Ground water discharges associated with any non-sanitary waste, including, but not limited to, wastewater associated with the washing of crops, farm equipment, crop packaging processes, slaughter/butcher liquid waste, egg washing, or wine production waste.
- b. Farms where the sanitary sewage generated is only from congregate living facilities or farm labor housing.
 - i. Such facilities may obtain authorization under the Farm Labor Housing General Permit Number NJ0309664.
- c. Discharges 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. New or expanding facilities with a proposed disturbance in the following environmentally sensitive areas as defined at N.J.A.C. 7:15-4.4(e):

- i. Areas mapped as endangered or threatened wildlife species habitat as identified on the Department's Landscape Maps of Habitat for Endangered, Threatened or Other Priority Wildlife as Rank 3, 4 and 5. The data are available as a download at the Department's webpage at <https://gisdata-njdep.opendata.arcgis.com> titled "Landscape Project Data"; and
- ii. Areas mapped as Natural Heritage Priority Sites. The Natural Heritage Priority Site data is available as a digital data download at the Department's webpage at <https://gisdata-njdep.opendata.arcgis.com> titled "Natural Heritage Priority Sites in New Jersey."
- e. 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. Topographic Map;
 - iii. Form R – Domestic Residuals;
 - iv. GFSD Facility Information Form;
 - v. Pinelands approvals (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. Evidence that the system(s) is located on a property, in whole or in part, that qualifies for property tax assessment under the Farm Land Assessment Act of 1964, N.J.S.A. 54:4-23.1 et seq. Generally acceptable evidence will be the applicant's most recently available municipal tax bill; and
 - vii. Site Specific Technical Information, including but not limited to:
 - Plot Plan, signed, and sealed by a New Jersey licensed P.E. which includes all the information detailed in Part IV.D.1.b. This includes but is not limited to 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.
- b. 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.

- c. 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. Authorization under this permit will be issued after the Department has reviewed the application and determined eligibility.
- d. 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 dependent on the date the authorization was individually issued to that facility.
- e. Facilities with existing individual NJPDES-DGW permits that meet the eligibility requirements for this general permit and submit an 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.
- b. An owner, operator, and/or discharger excluded from this general NJPDES permit solely because of an existing individual permit, may request that the individual permit be revoked or modified, as appropriate, and that the discharge be authorized by the general NJPDES permit. Upon revocation or modification of the individual permit, the permittee shall be authorized under the general permit.

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):GFSD - Discharge to Ground Water -
Farm 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 Well

ROCK FORMATION:
Brunswick

DISCHARGE CATEGORY(IES):
GFSD - Discharge to Ground Water -
Farm 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).

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
Coliform, Fecal General	Effluent Gross Value	10	#/100ML	Grab	January thru December

MONITORED LOCATION:
MW0Y Downgradient Mon Well

ROCK FORMATION:
Brunswick

DISCHARGE CATEGORY(IES):
GFSD - Discharge to Ground Water -
Farm 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
Coliform, Fecal General	Effluent Gross Value	10	#/100ML	Grab	January thru December

MONITORED LOCATION:

T0XT Discharge Mon Point

ROCK FORMATION:

Brunswick

DISCHARGE CATEGORY(IES):GFSD - Discharge to Ground Water -
Farm 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:

Daily maximum limit for flow rate will be established in each individual authorization based on the RFA submitted.

Table III - D - 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	2001 Daily Maximum	GPD	*****	*****	*****	*****	Continuous	Continuous
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 - D - 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
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

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 - D - 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
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
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):GFSD - Discharge to Ground Water -
Farm 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 maximum limit for flow rate will be established in each individual authorization 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	2001 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 NO3)	Effluent Gross Value	*****	*****	*****	*****	REPORT Monthly Average	10 Daily Maximum	MG/L	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 - 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
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

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
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
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):GFSD - Discharge to Ground Water -
Farm 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 maximum limit for flow rate will be established in each individual authorization based on the RFA submitted.

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	2001 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	***	***		***	***	***			

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 maximum limit for flow rate will be established in each individual authorization based on the RFA submitted.

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
Coliform, Fecal General	Effluent Gross Value	*****	*****	*****	*****	*****	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 - 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
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 - 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
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 - 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
1,1,2-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):
GFSD - Discharge to Ground Water -
Farm 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 - G - 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. All completed Monitoring Report Forms (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 <https://www.state.nj.us/dep/dwq/mrf.htm>.

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. "Congregate Living" means those activities at structures such as dormitories, motels, nursing/rest homes, group homes, assisted living facilities, boarding houses. These structures typically have one or more amenities and/or activities that service the establishment and not typically an individual unit, such as common bathrooms, kitchens, dining areas and/or laundry facilities.
- g. "Daily" means monitoring conducted every calendar day, including weekends and holidays.

- h. "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 biological (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.
- i. "Farm" for the purposes of this permit means a property, in whole or in part, that qualifies for property tax assessment under the Farm Land Assessment Act of 1964, N.J.S.A. 54:4-23.1 et seq.
- j. "Farm Labor Housing" means structures located on farm operation property that are being inhabited by the employees of the farm. These structures are typically dormitory style housing that may include amenities such as common bathrooms, kitchens, or laundry facilities.
- k. "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.
- l. "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).
- m. "Grab sample" means an individual sample collected over a period not exceeding 15 minutes.
- n. "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.
- o. "Month(ly)" means monitoring conducted at a minimum of once every calendar month.
- p. "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. Examples of non-sanitary waste on farms include, but are not limited to the wastewater associated with the washing of crops, farm equipment, crop packaging processes, slaughter/butcher liquid waste, egg washing, or wine production waste.
- q. "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).
- r. "Quarter(ly)" means monitoring conducted at a minimum frequency of once every three calendar months.

- s. "Regulated Unit" means any part of a wastewater disposal system, including but not limited to all septic tanks, grease traps, distribution boxes, dosing tanks, disposal tanks, and disposal fields, that is monitored under the requirements of this permit.
- t. "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. This term specifically excludes industrial, hazardous or toxic wastes and materials.
- u. "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 - Farm 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. 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 the 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.
- b. Piezometer Well measurements shall be recorded on a quarterly basis and data kept onsite, and shall include the following:
 - i. Elevation of ground surface (measured to the nearest 0.1 feet). Please note that this measurement should remain constant;
 - ii. Depth to ground water from original ground surface (measured to the nearest 0.1 feet);
 - iii. Elevation of top of piezometer well casing above ground surface (measured to the nearest 0.1 feet) Please note that this measurement should remain constant after the initial installation of the piezometer well(s); and
 - iv. Depth to ground water from top of piezometer well casing (measured to the nearest 0.1 feet).

Discharge to Ground Water - Farm Sanitary Discharge (GP)

- c. If advanced wastewater pretreatment 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.
- d. The following applies to facilities that will not achieve compliance with the GWQS prior to the point of discharge to each disposal area.
 - i. The permittee shall maintain a minimum of two (2) ground water monitoring wells, one upgradient and one downgradient, for each disposal area as specified in Part III, unless otherwise authorized by the Department.
 - ii. The upgradient monitoring well must be sampled first and then the downgradient well(s) may be sampled in any order.
 - iii. Ground Water Quality Standards (GWQS) are to be achieved in the downgradient monitoring well(s).

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) and at the frequency 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. 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.
- d. 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.

- e. 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 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 Requirements

- 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 5 years.
- d. All records shall be available for Department review during periodic inspections and shall be submitted upon written request.

D. Submission Requirements

1. Plot Plan

- a. 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 Ground Water Discharge Units

1. General Provisions

- a. 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.
- b. 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.
- c. 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 contingency requirements as outlined in Part IV.F.2.
- d. If the discharge from a regulated unit exceeds the design criteria provided in Part IV.E.3., or causes contravention of the GWQS, the permittee is required to implement corrective measures in accordance with the requirements outlined in Part IV.E.3. of this permit.
- e. The discharge of non-sanitary waste is a violation of this permit.
- f. Chlorine shall not be incorporated into the treatment process.

2. Requirements for Underground Injection Control (UIC) discharges

- a. The permittee shall maintain, or supply, an adequate disposal area as required by N.J.A.C. 7:9A.
- b. The immediate and surrounding area of the regulated unit(s) shall be inspected on, at least, a monthly basis for evidence of malfunctioning. Said evidence shall include, but not be limited to, breakout, ponding, wet areas, odors and an overabundance or loss of vegetative cover. The permittee shall keep detailed records of these inspections which shall be made available to the Department upon request.
 - i. For systems operated seasonally, at least one visual inspection shall be conducted during each month of operation.
- c. The permittee shall comply with the applicable provisions of the Additional Requirements for Underground Injection Control (UIC) Program, N.J.A.C. 7:14A-8.

3. High Strength Waste Requirements for Food Service

- a. High strength wastewater pretreatment components shall be incorporated into all systems which have a food service as defined in Part IV.A. Notes and Definitions.
- b. The wastewater pretreatment components shall be designed to meet the following design criteria levels:
 - i. Total Suspended Solids (TSS): $\leq 155\text{mg/l}$;
 - ii. Five-Day Biological Oxygen Demand (BOD5): $\leq 155\text{mg/l}$;
 - iii. Chemical Oxygen Demand (COD): $\leq 500\text{mg/l}$; and
 - iv. Fats, Oils and Grease (FOG): $\leq 70\text{mg/l}$.
- 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 design criteria levels (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 ninety (90) days of EDPA that ensures the proper continued functioning of all regulated units. The O&M Plan shall be kept onsite and made available for review upon request by the Department. At a minimum, the O&M Plan 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.E.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.
- b. After an emergency situation has been corrected, the permittee shall review the emergency procedures in place and, if necessary, update the O&M Plan.

2. Contingency Requirements

- a. 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 shall:
 - i. Immediately cease any unpermitted discharge and implement the appropriate section of the facility's Operation and Maintenance (O & M) Plan as required in Part IV.F. 1.
 - ii. Immediately contact the Department's Emergency Hotline at 1-877-927-6337 (or <https://dep.nj.gov/warndep/>) and the appropriate regional Bureau of Water Compliance and Enforcement as identified in Part II.B.4.b. For details on reporting time frames, please refer to N.J.A.C. 7:14A-6.10.
- b. For regulated units which rely on infiltration where the probable cause of hydraulic failure is unintentional overloading of the disposal area due to unequal distribution of the discharge or heavy rain, snow melt, etc., the permittee shall implement the measures outlined in the facility's O & M Manual until the failing disposal area drains and returns to operational status.
- 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 or dwq_twa@dep.nj.gov to determine if a Treatment Works Approval (TWA) is required. The permittee shall demonstrate to BEEP that the replacement or altered system will adequately correct the malfunction.
 - i. Additional information regarding BEEP can be found at <https://dep.nj.gov/dwq/about-dwq/#beep>.
 - ii. The permittee shall copy BGRPA on all correspondence with BEEP at dwq_groundwater@dep.nj.gov.

3. Abandonment Requirements

- a. The permittee shall, within three (3) months of Authorization under this General Permit, abandon any existing wastewater treatment units and disposal system(s) which will not be utilized. To properly abandon the disposal system(s), the permittee shall:
 - i. Adequately seal the influent and effluent lines;
 - ii. Properly dispose of all physical facilities including the treatment units (septic tanks), outfall lines, and all mechanical and electrical equipment and piping;
 - iii. Eliminate any piping where there may be a cross-connection (receiving both sanitary and any other discharge); and
 - iv. Contact the appropriate Bureau of Water Compliance and Enforcement as identified in Part II.B.4.b.

4. Elimination of Cesspools

- a. Any facility newly authorized under this permit that has any cesspools, outhouses or privies, or any permittee that discovers any cesspools, outhouses or privies not previously identified that are operating or not properly closed must submit a closure plan within 3 months of the EDPA or 3 months of discovery. Implementation of the closure plan must begin within 6 months of EDPA or discovery. 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. Any facilities that need to amend or modify a cesspool closure plan may do so in consultation with BGRPA.
- c. Any cesspool(s) shall be closed in accordance with the requirements of N.J.A.C. 7:14A-8.4(a)3i.

G. Conditions Relating to Ground Water Monitoring Wells**1. 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 of wells 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.

2. Well Certifications

- a. For a new well, Monitoring Well Certification Forms A and B shall be submitted.
- b. For an existing well, 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://dep.nj.gov/dwq/permitting_information/permits_application_forms_and_checklists/#DGW_
and shall be submitted to BGRPA at: dwq_groundwater@dep.nj.gov.

3. 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.NJ0347833
DGW230003 Ground Water Master General Permit New