ATTACHMENT #1

State of New Jersey

CHRIS CHRISTIE
Governor

KIM GUADAGNO
Lt. Governor

DEPARTMENT OF ENVIRONMENTAL PROTECTION
Mail Code - 401-02B
Water Pollution Management Element
Bureau of Nonpoint Pollution Control
P.O. Box 420 – 401 E. State St.
Trenton, NJ 08625-0420
Tel: 609-633-7021/ Fax: 609 777-0432

BOB MARTIN
Commissioner

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Date 05/21/2015

Katherine Fling
NJ DEPT OF HUMAN SERVICES
PO BOX 700 - 222 S WARREN ST
Trenton, NJ , 08625-0700

Re: Final Ground Water Renewal Permit Action
NJPDES Discharge to Ground Water Permit No. NJ0070955
New Lisbon Developmental Center
Woodland Twp., Burlington County

Dear Katherine Fling:

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

No written comments were received on the draft action during the comment period, and no provisions of the draft permit have been changed in the final permit. Therefore, the right by you, or any third party, to contest the permit conditions in an adjudicatory hearing is hereby waived pursuant to N.J.A.C. 7:14A-15.13.

As per N.J.A.C. 7:14A-4.2(e)3, any person planning to continue discharging after the expiration date of an existing NJPDES permit shall file an application for renewal at least 180 calendar days prior to the expiration of the existing permit

Questions or comments regarding the final action should be addressed to Matt Klewin at (609) 292-0407

Sincerely,

Ron Bannister, P.G. Section Chief,
Bureau of Nonpoint Pollution Control

Enclosures: Final Permit

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: NJ0070955

Final: Ground Water Renewal Permit Action

Permittee:
NJ DEPT OF HUMAN SERVICES
PO BOX 700 - 222 S WARREN ST
Trenton, NJ 08625-0700

Co-Permittee:
—

Property Owner:
NJ DEPT OF HUMAN SERVICES
PO BOX 700 - 222 S WARREN ST
Trenton, NJ 08625-0700

Location Of Activity:
NEW LISBON DEVELOPMENTAL CTR
RT 72
Woodland Twp., NJ 08064-0000

Authorization(s) Covered Under This Approval	Issuance Date	Effective Date	Expiration Date
GW -Discharge to Groundwater	5/20/2015	06/01/2015	05/31/2020

By Authority of:
Commissioner's Office

DEP AUTHORIZATION
Ron Bannister, P.G., Section Chief
Bureau of Nonpoint Pollution Control
Division of Water Quality

(Terms, conditions and provisions attached hereto)

New Jersey Department of Environmental Protection
Division of Water Quality
Bureau of Nonpoint Pollution Control (Ground Water)
401 East State Street, Trenton, NJ 08625

FACT SHEET

This fact sheet sets forth the principal facts and the significant factual, legal, and policy considerations examined during preparation of the permit.

PERMIT ACTION: Ground Water Renewal Permit Action

Category "P": Spray Irrigation-Sanitary
Category "S": Surface Impoundment-Sanitary

Name and Address of the Applicant:

NJ Department of Human Services
P.O Box-700 222 S Warren St
Trenton, NJ 08625-0700

Name and Address of the Facility/Site:

New Lisbon Developmental Center
Route 72
Woodland Twp., NJ 08064-0000

Name and Classification of the Receiving Water:

I-PL
Cohansey Formation

Description of the Facility/Site:

This facility is a residential treatment center for the developmentally disabled. There are 860 residents and 1240 staff members. A wastewater treatment plant discharges the treated effluent into four holding surface impoundments where then it is discharged onto a 35.3 acre spray field.
The permittee must monitor one (1) monitoring wells and four (4) piezometers that are located in and around the spray field. The monitoring well will be MW-3. There is a discharge monitoring point (P01P) which is located at a point prior to discharge to the surface impoundments.

Location of the Facility:

Woodland Township
Burlington County
Lots: 1-6
Block: 601

Type and Quantity of the Wastes, Fluids, or Pollutants (as applicable):

The maximum flow of the sanitary wastewater is 200,000 gpd (gallons per day). The sanitary wastewater is treated at the on-site wastewater treatment plant. The wastewater is then directed to four (4) surface impoundments for temporary storage until the wastewater is directed to a spray field for final disposal.

Name, Bureau, and Phone Number of Contact Person:

Matthew Klewin, Environmental Specialist 3
Bureau of Nonpoint Pollution Control – (609) 292-0407

Permit Summary Table:

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

1	N.J.S.A. 58:10A-1 *et seq.*, New Jersey Water Pollution Control Act.*
2	N.J.A.C. 7:14A-1 *et seq.*, New Jersey Pollutant Discharge Elimination System Regulations.*
3	NJPDES-DGW Permit NJ0070955
4	Ground Water Monitoring Well Sampling Data submitted under NJPDES Permit NJ0070955
5	DMR Data Submitted Under NJPDES-DGW Permit No. NJ0070955
6	The NJPDES-DGW Permit Renewal Application Submitted 7/24/96
7	Statewide Water Quality Management Planning Rules (N.J.A.C. 7:15)*
8	Sludge Quality Assurance Regulations (N.J.A.C. 7:14C)*
9	Ground Water Quality Standards (N.J.A.C. 7:9-6)*

*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 (NJPDES) N.J.A.C. 7:14A-1 *et seq*. The permit has been developed pursuant to these regulations and is based on the administrative record, which contains any permit application submitted, correspondence concerning the permit, the Fact Sheet and documents cited therein, the results of any past monitoring, the draft permit, and any past permits issued to the facility under these regulations.

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	N.J.A.C. 7:14A-6.10 & 6.8(h)
Hotline/Two Hour & Twenty-four Hour Reporting	N.J.A.C. 7:14A-6.10(c) & (d)
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. Requirements Incorporated by Reference

a. For new construction, expansion 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 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.

2. Operator Notification

a. Pursuant to N.J.A.C. 7:10A-1.1 et seq. every wastewater system not exempt pursuant to N.J.A.C. 7:10A-1.1(b) requires a licensed operator. The operator of a system shall meet the Department's requirements pursuant to N.J.A.C. 7:10-1.1 and any amendments. The name of the proposed operator, where required, shall be submitted to the Department at the address below, in order that his/her qualifications may be determined prior to initiating operation of the treatment works.

i. Notifications shall be submitted to:

NJDEP
Examination and Licensing Unit
P.O. Box 417
Trenton, New Jersey 08625
(609)777-1012

b. The permittee shall notify the Department of any changes in licensed operator within two weeks of the change.

B. General Conditions

1. Scope

a. The issuance of this permit shall not be considered as a waiver of any applicable federal, state, and local rules, regulations and ordinances.

2. Permit Renewal Requirement

a. Permit conditions remain in effect and enforceable until and unless the permit is modified, renewed or revoked by the Department.

b. Submit a complete permit renewal application: 180 days before the Expiration Date.

3. Notification of Non-Compliance

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

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

4. Notification of Changes

a. The permittee shall give written notification to the Department of any planned physical or operational alterations or additions to the permitted facility when the alteration is expected to result in a significant change in the permittee's discharge and/or residuals use or disposal practices including the cessation of discharge in accordance with N.J.A.C. 7:14A-6.7.

b. Prior to any change in ownership, the current permittee shall comply with the requirements of N.J.A.C. 7:14A-16.2, pertaining to the notification of change in ownership.

5. 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.

6. Operation Requirements

a. The permittee shall notify the applicable Bureau of Water Compliance and Enforcement office and the Bureau of Permit Management, prior to initiating discharges from newly constructed discharge facilities.

7. Contingency Requirements

a. When a regulated unit causes contravention of the Ground Water Quality Standards of N.J.A.C. 7:9-6, corrective measures shall be implemented to address the problem. Such measures may include more extensive monitoring of the soil and ground water, remediation of the release, or an upgrade or closure of the existing system.

b. 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 O & M Manual.

ii. Immediately contact the Department's Emergency Hotline at 1-877-927-6337 and contact the appropriate regional Bureau of Water Compliance and Enforcement. For details on reporting time frames please refer to N.J.A.C. 7:14A-6.2 and 6.10.

iii. Notify the Bureau of Engineering to determine if a Treatment Works Approval is required prior to repairing the failing regulated unit.

iv. If a new or altered regulated unit is to be constructed, the permittee must first obtain approval through modification of a GWPP or by applying for a NJPDES Permit modification, demonstrate that the alteration or new system shall reasonably improve the existing situation and obtain a letter approving the technical information before applying for a Treatment Works Approval. The NJPDES permit may be modified at a later date to reflect the change in the disposal systems if the improvement significantly changes the conditions of the permit.

v. For 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 continue to implement the measures outlined in the facility's O & M Manual until the failing disposal area drains and returns to operational status. If the failing disposal area is determined to be under-sized for the given flow or physically clogged, Department approved measures must be taken to rectify the situation

8. Residuals Management

a. The permittee shall comply with land-based sludge management criteria and shall conform with the requirements for the management of residuals and grit and screenings under N.J.A.C. 7:14A-6.15(a), which includes:

i. Standards for the Use or Disposal of Residual, N.J.A.C. 7:14A-20;

ii. Section 405 of the Federal Act governing the disposal of sludge from treatment works treating domestic sewage;

iii. The Solid Waste Management Act, N.J.S.A. 13:1E-1 et seq., and the Solid Waste Management Rules, N.J.A.C. 7:26;

iv. The Sludge Quality Assurance Regulations, N.J.A.C. 7:14C;

v. The Statewide Sludge Management Plan promulgated pursuant to the Water Quality Planning Act, N.J.S.A. 58:11A-1 et seq., and the Solid Waste Management Act, N.J.S.A. 13:1E-1 et seq.; and

vi. The provisions concerning disposal of sewage sludge and septage in sanitary landfills set forth at N.J.S.A. 13:1E-42 and the Statewide Sludge Management Plan.

vii. Residual that is disposed in a municipal solid waste landfill unit shall meet the requirements in 40 CFR Part 258 and/or N.J.A.C. 7:26 concerning the quality of residual disposed in a municipal solid waste landfill unit. (That is, passes the Toxicity Characteristic Leaching Procedure and does not contain "free liquids" as defined at N.J.A.C. 7:14A-1.2.)

b. If any applicable standard for residual use or disposal is promulgated under section 405(d)of the Federal Act and Sections 4 and 6 of the State Act and that standard is more stringent than any limitation on the pollutant or practice in the permit, the Department may modify or revoke and reissue the permit to conform to the standard for residual use or disposal.

c. The permittee shall make provisions for storage, or some other approved alternative management strategy, for anticipated downtimes at a primary residual management alternative. The permittee shall not be permitted to store residual beyond the capacity of the structural treatment and storage components of the treatment works. N.J.A.C. 7:14A-20.8(a) and N.J.A.C. 7:26 provide for the temporary storage of residuals for periods not exceeding six months, provided such storage does not cause pollutants to enter surface or ground waters of the State. The storage of residual for more than six months is not authorized under this permit. However, this prohibition does not apply to residual that remains on the land for longer than six months when the person who prepares the residual demonstrates that the land on which the residual remains is not a surface disposal site or landfill. The demonstration shall explain why residual must remain on the land for longer than six months prior to final use or disposal, discuss the approximate time period during which the residual shall be used or disposed and provide documentation of ultimate residual management arrangements. Said demonstration shall be in writing, be kept on file by the person who prepares residual, and submitted to the Department upon request.

d. The permittee shall comply with the appropriate adopted District Solid Waste or Sludge Management Plan (which by definition in N.J.A.C. 7:14A-1.2 includes Generator Sludge Management Plans), unless otherwise specifically exempted by the Department.

e. The preparer must notify and provide information necessary to comply with the N.J.A.C. 7:14A-20 land application requirements to the person who applies bulk residual to the land. This shall include, but not be limited to, the applicable recordkeeping requirements and certification statements of 40 CFR 503.17 as referenced at N.J.A.C 7:14A-20.7(j).

f. The preparer who provides biosolids to another person who further prepares the biosolids for application to the land must provide this person with notification and information necessary to comply with the N.J.A.C. 7:14A-20 land application requirements.

g. Any person who prepares bulk residual in New Jersey that is applied to land in a State other than New Jersey shall comply with the requirement at N.J.A.C. 7:14A-20.7(b)1.ix and/or 20.7(b)1.x, as applicable, to provide written notice to the Department and to the permitting authority for the State in which the bulk residual is proposed to be applied.

PART III
LIMITS AND MONITORING REQUIREMENTS

MONITORED LOCATION GROUP: MW-Group

Monitored Location Group Members

MW-3

GW Mon. Well WCR - Quarterly Reporting Requirements:

Submit a Quarterly WCR: within twenty-five days after the end of every month 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:** 06/01/2015 **PHASE End Date:**

Parameter	Sample Point	Compliance Quantity	Units	Sample Type	Monitoring Period
Coliform, Fecal General	Monitoring Well	REPORT	#/100ML	Grab	January thru December
Depth To H2o From Infiltrative Surface	Monitoring Well	REPORT	FEET	Measured	January thru December
Depth To H2o From Origin Ground Level	Monitoring Well	REPORT	FEET	Measured	January thru December
Depth To Water Table From Top Of Casing	Monitoring Well	REPORT	FEET	Measured	January thru December

MONITORED LOCATION:	ROCK FORMATION:	DISCHARGE CATEGORY(IES):
P01P	Cohansey	GW - Discharge to Groundwater

Location Description

Sample point P01P shall be at a point prior to the discharge of the sanitary wastewater into the surface impoundments.

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:

Sample location P01P shall be at a point prior to discharge of the sanitary wastewater into the surface impoundments.

Table III - B - 1: Ground Water DMR Limits and Monitoring Requirements

PHASE: Final **PHASE Start Date:** 06/01/2015 **PHASE End Date:**

Parameter	Sample Point	Limit	Limit	Units	Limit	Limit	Limit	Units	Frequency	Sample Type
Flow Rate	Effluent Gross Value	REPORT Monthly Average	.2 Daily Maximum	MGD	*****	*****	*****	*****	Continuous	Continuous
January thru December	QL	***	***		***	***	***			
Nitrogen, Total (as NO3 + NH3)	Effluent Gross Value	*****	*****	*****	*****	*****	2.0 Daily Maximum	MG/L	2/Month	Composite
January thru December	QL	***	***		***	***	***			
pH	Effluent Gross Value	*****	*****	*****	REPORT Daily Minimum	*****	REPORT Daily Maximum	SU	2/Month	Grab
January thru December	QL	***	***		***	***	***			
Coliform, Fecal General	Effluent Gross Value	*****	*****	*****	*****	*****	200 Instant Maximum	#/100ML	2/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:
Sample location P01P shall be at a point prior to discharge of the sanitary wastewater into the surface impoundments.

Table III - B - 1: Ground Water DMR Limits and Monitoring Requirements

PHASE: Final **PHASE Start Date:** 06/01/2015 **PHASE End Date:**

Parameter	Sample Point	Limit	Limit	Units	Limit	Limit	Limit	Units	Frequency	Sample Type
Organics-Volatile Tot	Effluent Gross Value	*****	*****	*****	*****	*****	REPORT Instant Maximum	UG/L	2/Year	Grab
January thru December	QL	***	***		***	***	***			

PART IV

SPECIFIC REQUIREMENTS: NARRATIVE

Notes and Definitions

A. Footnotes

1. Conditions Associated with Both Discharge Monitoring and Ground Water Monitoring

a. All completed monitoring forms shall be submitted to: Division of Water Quality, Bureau of Permit Management, Monitoring Reports Unit, P.O. Box 029, Trenton, New Jersey 08625

b. 40 CFR Part 136-Method 624 shall be used to identify and monitor for the volatile organic compounds at N.J.A.C. 7:14A-4, Appendix A. The analyses shall include the identification of 15 unknown peaks. For tentatively identified compounds, a forward library search must be performed. If the spectra do not meet the criteria of identification of the Library, the compound shall be reported as "unknown". If possible, an additional classification of the unknown compound shall be presented (e.g. unknown aromatic, unknown hydrocarbon, etc.).

c. The method detection limits (MDL) specified in 40 CFR Part 136-Method 624 and/or 625 should be achieved, and the quality assurance and quality control methods specified in 40 CFR Part 136-Method 624 and 625 shall be utilized. Documentation of these quality assurance and quality control measures, including the results of field and trip blanks, must be submitted within 30 days of a written request from the Department.

d. After the first year of sampling, the permittee may propose another analytical method for Departmental approval. Such a proposal shall be accompanied by a statement explaining how the method adequately monitors all the compounds of concern.

e. The Department reserves the right to direct the permittee to use other analytical methods by giving the permittee 30 days written notice to do so.

f. In ground water samples, pursuant to prevailing Safe Drinking Water Act (PL 1993C.523) Regulations, any positive result for fecal coliform is in violation of the Maximum Contaminant Level (MCL) and is, therefore, an exceedence of the ground water quality standards.

   i. By membrane filtration, no colonies to be present in any standard portion.

   ii. By multiple tube fermentation technique, with a standard 10 ml dilution, no positive reaction in any portion of any sample.

g. The parameter pH is to be field determined.

B. Definitions

1. Conditions Associated with Both Discharge Monitoring and Ground Water Monitoring

a. "Aliquot" means a sample of specified volume used to make up a total composite sample.

b. "Annual" ("year") means monitoring conducted at a minimum of once every twelve calendar months.

c. "Composite" means a combination of individual (or continuously taken) samples (aliquots) collected at periodic intervals over the entire discharge day. The composite should be flow proportional; either the time interval between each aliquot or the volume of each aliquot should be proportional to either the flow at the time of sampling or the total flow since the collection of the previous aliquot. Aliquots may be collected manually or automatically.

d. "Daily" ("day") means monitoring conducted every calendar day, including weekends and holidays.

e. "Grab" means an individual sample collected over a period not exceeding 15 minutes.

f. "Month(ly)" means monitoring conducted at a minimum of once every calendar month.

g. "Quarter(ly)" means monitoring conducted at a minimum frequency of once every three calendar months.

Discharge to Groundwater

A. Monitoring Requirements

1. Conditions Associated with Discharge Monitoring in Part III

a. Discharge Sample P01P shall be taken prior to discharge to the surface impoundments.

b. All discharge monitoring shall be conducted as specified in Part III.

c. All discharge sampling shall be conducted in accordance with the Department's current Field Sampling Procedures Manual; or an alternate method approved by the Department in writing.

d. Unless otherwise noted, all discharge limitations are instantaneous maximum limitations.

e. Chlorine shall not be incorporated into the treatment process

f. A continuously recording flow measuring device shall be used to determine the daily flow into the surface impoundment.

g. The effluent loading at spray irrigation sites shall not exceed 1.81 inches per week (in/wk). The permittee shall maintain, on-site, records of daily spray volumes of the sanitary wastewater to the spray field.

h. The maximum application period will be four (4) hours of effluent distribution followed by a minimum four (4) hours of rest. Resting periods should be long enough to allow soil surface to equilibrate with atmospheric oxygen, but short enough to keep surface microbes in an active state.

i. 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

j. The discharge of non-sanitary waste is a violation of this permit

2. Conditions Associated with Ground Water Monitoring in Part III

a. The permittee shall maintain one(1) existing ground water monitoring wells (MW-3,), and four (4) piezometers (PW-2, PW-5, PW7 and PW-10).

b. All ground water monitoring shall be conducted as specified in Part III.

c. Ground Water Quality Standards (GWQS) are to be achieved in MW-3.

d. For existing discharges, ground water monitoring shall begin upon EDP. If new wells are required for existing discharges, the new wells shall be incorporated into the existing monitoring schedule.

e. The upgradient well(s) must sampled first and then the downgradient wells may be sampled in any order.

f. The permittee shall measure the depth to ground water in piezometers PW-2, PW-5, PW-7, and PW-10 and utilize this data to determine depth to ground water from the infiltrative surface of the spray field. Monitoring shall be done monthly beginning the month of the effective date of the permit. All ground water elevations must be determined before evacuation and /or sampling of the well. Results shall be kept on-site in accordance with Part IV, Discharge to Ground Water, B., 2., e., of this permit.

Discharge to Groundwater

g. The permittee must develop a sampling plan in accordance with the method specified in N.J.A.C. 7:14A-7.7 of the NJPDES regulations 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.

h. Each analysis required by this permit (except for those parameters that are field determined) shall be performed by a New Jersey Certified Laboratory that is certified to perform that analysis .

3. Conditions Associated with Residuals Monitoring in Part III

a. For the purposes of monitoring sludge quality, sample collection, preservation and analysis shall be performed in a manner consistent with 40 CFR 503.8 and the Sludge Quality Assurance regulations (N.J.A.C. 7:14C) unless other test procedures have been approved by the Department in writing or as otherwise specified in this permit.

B. Reporting Requirements

1. Conditions Associated with Discharge Monitoring in Part III

a. The permittee shall submit discharge monitoring data on Discharge Monitoring Report (DMR) forms or Wastewater Characterization Report (WCR) forms in accordance with Part III of this permit.

b. Failure to submit sampling data on DMR's is a permit violation and may place the permittee subject to civil and administrative penalties pursuant to N.J.S.A. 58:10A-10 et seq.

c. DMRs shall be postmarked no later than the 25th day of the month following the completed monitoring period and should be received by the Department no later than the 1st day of the next month.

d. If a priority pollutant is detected above the MDL, the permittee must provide written notification, by certified mail to the Chief, Bureau of Nonpoint Pollution Control at P.O. Box 029, Trenton, New Jersey 08625. Notification shall be made within seven (7) days of receiving the analytical results and is in addition to reporting this analytical result on a DMR. After reviewing the analytical results for any priority pollutant required to be monitored, 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 wastestream; develop and implement measures to ensure that contamination of the system will not occur. The permittee shall comply with any deadline or requirement imposed by the Department regarding additional monitoring or removal of the substance(s) from the system.

2. Conditions Associated with Ground Water Monitoring in Part III

a. The permittee shall submit Ground Water Monitoring data on WCR's.

b. A "Monitoring Report Submittal Form" shall always be submitted with an original signature.

c. Failure to submit ground water sampling data on the appropriate forms is a permit violation and may place the permittee subject to civil and administrative penalties pursuant to N.J.S.A 58:10A-10 et seq.

d. The report shall be postmarked no later than the 25th day of the month following the completed monitoring period and should be received by the Department no later than the 1st day of the next month.

e. The submission of ground water monitoring reports is not required for wells that are sampled for water level measurements only. These reports shall be kept on site and made available to the Department upon request.

3. Conditions Associated with Residuals Monitoring in Part III

a. For purposes of reporting sludge quality, the permittee shall report monitoring results on the DMR's or other monitoring report forms where forms are specified, and all applicable information required on the forms shall be entered in the manner specified therein before submission.

C. Recordkeeping Requirements

1. Conditions Associated with Monitoring Requirements in Part III

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. The permittee shall retain copies of all reports required by a NJPDES permit and records of all data used to complete the application for a NJPDES permit for a period of at least 5 years unless otherwise required by 40 CFR Part 503.

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

D. Submission Requirements

1. Plot Plan

a. Submit a plot plan: within 90 days from the effective date of the permit (EDP) and thereafter when site conditions change to the BNPC. The plot plan shall include:

i. Legal site boundaries surveyed by a licensed New Jersey land surveyor within the last twelve (12) months. If the permittee has a survey of the property which is older than 1 year, the survey may be submitted to fulfill this requirement if the survey is signed and sealed by a New Jersey licensed land surveyor certifying that the survey reflects the current site boundaries as measured by the latest standards.

ii. The location of all regulated units. Each regulated unit shall be identified as Unit #1, Unit #2, etc. For example, a subsurface disposal bed would be labeled Bed #1 and a spray irrigation field would be labeled Spray Field #1. The plot plan shall include all pertinent information about the regulated unit such as whether a basin is lined, the exact location of the discharge monitoring point including a description of the sampling device if applicable, its label (T01T for Subsurface Disposal Bed #1 and P01P for Spray Field #1).

iii. The location of all existing and proposed ground water monitoring wells, piezometers and water supply wells. Include a table on the plan which lists, a) the latitude and longitude of each well to the nearest one-tenth of a second; b) the vertical elevation of each well to the nearest one-hundredth of a foot at top of casing, based on the most current New Jersey Control Survey datum; c) ground surface elevation to the nearest one-hundredth of a foot, d) the "Well Permit Number" issued by the Bureau of Water Allocation; e) the monitoring well number as identified in this permit; f) the total depth of the well advancement to the nearest one-hundredth (1/100) of a foot; g) the depth to the top of screen or top of open hole length (i.e., bottom of casing) to the nearest one-hundredth (1/100) of a foot; h) the length of screen or open hole to the nearest one-hundredth (1/100) of a foot; i) the internal diameter of the well in inches; and j) the depth to static water table from the top of casing to the nearest one-hundredth (1/100) of a foot at the time of installation.

iv. The location of discharge monitoring point P01P, if applicable.

2. Operations & Maintenance Manual

a. Prepare Operation and Maintenance (O&M) Manual: within 90 days from the effective date of the permit (EDP).

b. The permittee shall submit written verification to the Department that the O & M Manual has been or will be completed in accordance with the time frame above.

c. If the items required in the O & M Manual are addressed in another document which has been approved by the Department, the permittee may submit a letter to the BNPC referencing which document contains the applicable information.

d. The most recent version of the O & M Manual as well as all records of maintenance and inspections must be kept on-site at all times and be available for inspection upon request by the Department.

e. The permittee must educate all appropriate personnel and licensed operators (as applicable) as to the contents and procedures of the O & M Manual to ensure proper implementation.

f. The O & M Manual shall include, at a minimum, the following provisions, as applicable:

i. A list of all pollutants generated and/or discharged to all units regulated by this permit.

ii. A schedule of the required inspections for all monitoring devices (piezometers, ground water monitoring wells, lysimeters, flow meters, etc.).

iii. Requirements established in this permit for unit-specific maintenance and inspection.

iv. Assessment of emergency situations which affect the discharge activities as outlined in N.J.A.C. 7:14A-6.12(d)3. Emergency procedures in the O & M Manual 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.

v. Procedures for correcting emergency situations.

vi. Procedures for notifying the appropriate agencies.

vii. Location of any onsite temporary or permanent pollutant storage areas.

viii. Provisions for utilizing previously approved and constructed diversion mechanisms, if applicable. These provisions shall include the ability to monitor for permit compliance.

g. After an emergency situation has been corrected, the permittee shall review the emergency procedures in place and submit, if necessary, an updated O & M Manual.

h. The permittee shall notify in writing the appropriate Bureau of Water Compliance and Enforcement office no less than 180 days prior to the expected closure of the regulated unit requesting current closure requirements. The permittee, upon receipt of these requirements, shall submit a closure plan the permit issuing bureau for review and approval.

3. General Provisions

a. All the above referenced materials shall be submitted, as applicable, to the following address:
Department of Environmental Protection, Mail Code-401-02B, Division of Water Quality,
Bureau of Nonpoint Pollution Control
P.O. Box 420
-401 East State Street, Trenton, New Jersey 08625-0420.

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 as specified in the O&M Manual is a violation of this permit.

b. The permittee shall notify the Department in writing whenever there is a change in operation which could potentially effect the characteristics of a regulated discharge.

c. When a regulated unit poses a potential health risk or hazard, measures must be taken to restrict unauthorized access to the site or unit and to minimize the potential for contact with the pollutants.

d. If the discharge from a regulated unit causes contravention of the GWQS, the permittee is required to implement corrective measures in accordance with the contingency requirements outlined in this permit.

2. Requirements for Spray Irrigation Systems

a. The following discharge unit specific items should be addressed in the facility's O & M Manual.

i. A schedule of physical inspections of entire visible spray field on a weekly basis during periods of active discharge. During this inspection the permittee should look for areas of buildup of solids, ponding or channeling, excessive or lack of vegetative growth (could be an indicator of broken or leaking pipes, valves, or overloading of the discharge, etc.).

ii. A schedule of tilling, growth and harvesting of vegetation to ensure appropriate cover of the spray field.

iii. A schedule of spray irrigation systems maintenance activities which includes, at a minimum, examination of all valve connections, spray heads, pumps, etc. for evidence of wear and/or corrosion.

b. Discharge to spray fields is permitted year-round, with the following restrictions; the discharge shall not be land applied on bare ground, when the ambient air temperature is at or below 32 degrees F; when the ground surface is covered with a layer of snow or ice which will inhibit the vertical permeability of the spray field or even distribution of the discharge; when the ground surface is saturated; or, when sustained winds are excessive such that aerosols are predictably carried outside the permitted spray area. NOTE: Aerosol transmission as a result of wind gusts is not a permit violation.

c. The O & M Manual shall include established Critical Limits and shall be updated as necessary with respect to operation changes. Critical Limits are site conditions, which are established through actual site specific data, which when exceeded, require the cessation of spray events during marginal and, up to, prohibited periods where wind velocity transport of aerosols, soil temperature, and/or precipitation can potentially inhibit the discharge to the spray field. (Critical Limits are to be established as required below.)

   i. Wind velocity must be determined prior to initiating any given spray event. In order to determine wind velocity, the permittee must install an anemometer. During the first year of the permit, the permittee is to determine the critical velocity limit above which spraying should not occur.

   ii. A manual soil temperature probe shall be used prior to initiating a spray event during the months of November through March, inclusive. The probe shall measure the soil temperature at a depth of one inch. A minimum of three locations, within the spray field at least 500 feet apart, shall be tested. Spraying shall not commence when the soil temperature is below 40 degrees Fahrenheit.

   iii. Spraying shall not occur during periods of precipitation which would overload the capacity of the spray field. If the spray irrigation system is operated manually, it shall be the responsibility of the operator to ensure that the discharge ceases during these events.

   iv. The permittee shall not load the spray area at a rate of greater than 1.81 inches per week.

d. The permittee must keep records of wind speed and temperature measurements. These records must include information regarding the date, time and location of the measurements. The records must be made available to the Department upon request. Failure to monitor the temperature and wind speed and maintain records is a permit violation.

e. If the discharge is stored onsite for any length of time, in order to accommodate the discharge from those periods when spray is prohibited, the discharge must be adequately treated so as not to create nuisance or vermin conditions.

f. Unless otherwise approved by the Department, a minimum of two (2) feet of unsaturated soil shall be maintained during all periods of spray irrigation between the highest elevation of the mounded ground water table and the ground surface throughout the area of spray irrigation. Piezometers shall be installed within the disposal area to determine the maximum ground water elevation encountered by the mounded ground water table underneath the spray field. In the event that the mounded ground water table is within two (2) feet of the ground surface, the permittee shall immediately implement corrective measures outlined in the O & M Manual to re-establish the required unsaturated zone. If a spray field or portion of the spray field system must be removed from service, the permittee shall follow the facility's O & M Manual for proper notification and remedial procedures, as previously defined in this permit.

3. Requirements for all Basins

a. For the purpose of this permit, a basin is a collective term used to describe a variety of regulated units at NJPDES-DGW permitted facilities. Examples of these basins are infiltration/percolation lagoons or surface impoundments which may be referenced by the permittee as retention, settling, storage or detention ponds, basins, lagoons, lined or unlined basins. The common feature of these basins is that they are topographic depressions or bermed areas designed to hold, treat and/or transmit pollutants.

b. Unauthorized discharges from basins are prohibited.

c. The following items should be addressed in the facility's O & M Manual.

   i. A schedule of physical inspections of all visible portions and areas surrounding the basin unit(s) to:
   Ensure that the liner material and berms have remained structurally sound;
   - Detect evidence of any deterioration, breakout, malfunctions or improper operation of the over-topping control system;
   - Detect sudden drops in the level of the basin contents not associated with normal operation of the regulated unit;
   - Detect erosion or other signs of deterioration in berms or other containment devices;
   - Detect the presence of liquids in the leak detection system, if employed.

   ii. A protective cover shall be maintained on earthen dikes to prevent erosion and maintain integrity. However, the dikes shall be free of vegetation having invasive root systems that could displace the earthen materials upon which the structural integrity of the dike is dependent.

   iii. A course of action shall be outlined for procedures to be implemented in the event the basin must be removed from service for an extended period of time for reasons other than routine maintenance and/or scheduled rotation of permitted discharge areas. This course of action must address how the discharge will be handled which can include diversion of the discharge to a previously approved reserved disposal area.

d. No basin that was removed from service due to structural collapse, overtopping or nonuse may be restored to service unless that portion of the basin which failed was repaired.

   i. If the basin was removed from service due to actual or imminent bank or side wall failure, a New Jersey licensed Professional Engineer shall certify by signature and seal the structural integrity of the bank and side wall prior to the redirection of flow to the basin. Said certification shall be received by the Department prior to the resumption of discharge to the basin.

   ii. If a basin was inactive for more than six months due to structural collapse or overtopping, the permittee shall obtain a certification from a New Jersey licensed Professional Engineer that it is structurally sound. The certification shall be signed and sealed by the New Jersey licensed Professional Engineer and shall establish that the banks, dikes, and foundation of the basin will withstand the physical and chemical stresses of resumed operation. If the basin is lined, the certification shall also state that the lined basin will not discharge to ground water.

   iii. If the original basin system or portions thereof were insufficient or inadequate, the permittee shall propose a new upgraded system. The new basin system will be installed upon issuance of a TWA from the Bureau of Engineering. A new site plan shall be submitted along with any necessary revisions to the O & M Manual.

   iv. The basin may not become operational unless all inspections and necessary repairs have been completed.

4. **Requirements for Surface Impoundments.**

   a. The following items should be addressed in the facility's O & M Manual.

      i. The liner shall be maintained at its design permeability of 1x[10 -7] cm/sec. The integrity of all surface impoundments must be periodically evaluated. Additionally, the Department may, at any time, require the certification of structural integrity based on visual observations made during facility Compliance Evaluation Inspections or other Department site visits.

      ii. Repaired or replaced liners must be tested for integrity prior to resuming discharge.

   b. In regulated units with double liners, the permittee shall collect and remove pumpable liquids in the sumps of the leachate collection system to minimize the head on the bottom liner.

F. Conditions Relating to Ground Water Monitoring Wells

1. **Well Installation & Abandonment Requirements**

   a. 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.

   b. All wells must be installed by a licensed New Jersey well driller pursuant to N.J.S.A. 58:4A-6 and constructed according to the specifications outlined in the latest edition of the Department's Field Sampling Procedures Manual for the appropriate site conditions (bedrock formation, unconsolidated, and confined unconsolidated aquifers).

      i. At the time of construction, the well driller must possess a valid well permit number for each well.

   c. Replacement wells that are installed within 10 feet of the 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. Replacement wells must be sampled between the fourteenth day and the thirtieth day after their installation and development. The requirement to replace a damaged well does not relieve the permittee from compliance with their monitoring schedule.

   d. Inadequate or damaged wells must be properly sealed and abandoned pursuant to N.J.S.A. 58:4A-4.1 et. seq. All sealing must be performed by a New Jersey licensed well driller who is certified to seal wells. Instructions regarding sealing, a list of certified drillers to seal wells, and well abandonment forms may be obtained by contacting the Bureau of Water Allocation at (609) 292-2957.

2. **Maintenance & Record Keeping**

   a. At a minimum, each well shall be inspected during each sampling event 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.

FACILITY SUBMITTALS

1. GDR - General Discharge Requirements

Task Description	Actual Due Date
Submit a Complete Permit Renewal Application	12/03/2019

2. GW - Discharge to Groundwater

Task Description	Actual Due Date
Submit a Plot Plan	08/30/2015
Prepare Operation and Maintenance (O&M) Manual	08/30/2015