



State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION

MAIL CODE 401-02B

DIVISION OF WATER QUALITY

BUREAU OF PRETREATMENT AND RESIDUALS

401 E. STATE STREET, P.O. BOX 420

TRENTON, NJ 08625-0420

www.state.nj.us/dep/dwq

CHRIS CHRISTIE
Governor

KIM GUADAGNO
Lt. Governor

BOB MARTIN
Commissioner

August 20, 2013

Re: Residual Master General Permit New
Cat: S2G -Sludge Quality Category 2 (GP)
NJPDES Permit No.: NJ0211672, Program Interest No.: 50577
NJPDES MASTER GENERAL PERMIT PROGRAM INTEREST
Trenton City, Mercer County

Dear Interested Party:

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 contains the conditions necessary to implement the provisions of the Sludge Quality Assurance Regulations for residual quality and quantity monitoring for Domestic Treatment Works that have a permitted flow between 0.1 and 0.999 MGD.

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.

Questions or comments regarding the final action should be addressed to Stephen Boyer at (609) 633-3823 or stephen.boyer@dep.state.nj.us.

Sincerely,

Anthony Pilawski, Environmental Specialist 4
Bureau of Pretreatment and Residuals
Water Pollution Management Element

Enclosures

cc: Permit Distribution List

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This Permit Package Contains the Items Listed Below

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**New Jersey Department of Environmental Protection
Division of Water Quality
Water Pollution Management Element
Bureau of Pretreatment and Residuals**

FACT SHEET

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

PERMIT ACTION: Residual Master General Permit New

1 Name and Address of the Applicant:

GENERAL PERMIT - CATEGORY S2G
PER INDIVIDUAL NOTICE OF AUTHORIZATION
Trenton, NJ 08625

2 Name and Address of the Facility/Site:

NJPDES MASTER GENERAL PERMIT - CATEGORY S2G
PER INDIVIDUAL NOTICE OF AUTHORIZATION
Trenton, NJ 08625

3 Description of the Facilities Covered by this Permit:

This New Jersey Pollutant Discharge Elimination System (NJPDES) new general permit is issued in accordance with N.J.A.C. 7:14A, and applies to those Domestic Treatment Works that have a permitted flow from 0.1 to 0.999 million gallons per day (MGD). Domestic Treatment Works (DTW) means all publicly owned treatment works as well as any other treatment works processing primarily domestic sewage and pollutants together with any ground water, surface water, stormwater or process wastewater that may be present. This general permit issued to the DTW generating the residual is intended to implement the provisions of the Sludge Quality Assurance Regulations (SQAR, N.J.A.C. 7:14C) for residual quality and quantity monitoring as well as other general conditions required by N.J.A.C. 7:14A-6.

Table 1 lists the names of the sixty-five (65) permittees believed to be eligible for authorization under this general permit.

4 Specific Authorization Criteria:

The Department has determined that a general permit is appropriate for this class of facilities since they generate the same type of wastes and engage in similar residual use or disposal practices. This general permit will cover the following class of facilities:

1. The source of sewage sludge must be from a DTW that has a permitted flow from 0.1 to 0.999 MGD.
2. Any out-of-state facility meeting the above criteria that transports sewage sludge into the State of New Jersey for use or disposal.

5 Request for Authorization:

All DTWs meeting the above criteria must submit a complete Request for Authorization (RFA) seeking authorization under this new general permit. RFA requirements are explained in Part II, General Requirements, B.8.a of this permit. Upon issuance of a new authorization under this general permit, any sludge monitoring requirements in an existing, individual non-residual permit will be deactivated. However, the Department may notify a person that the conditions relating to residual generation, use and disposal are authorized by a general permit, even if the person has not submitted a RFA. A person so notified will be covered under this general permit unless they request to be excluded from authorization under the general permit in accordance with Part II, General Requirements, B.7.a of this permit.

All existing authorizations will be automatically renewed upon reissuance of this general permit. However, the renewal of an authorization either requires a notice to the Department that there are no changes to the previous RFA, or a new RFA to be submitted to update any information that is no longer true, accurate and/or complete.

6 Summary of Modified Permit Conditions:

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.

7 Basis for Permit Conditions:

The Department administers a regulatory program for the use and management of residuals generated by domestic and industrial treatment works. Of fundamental importance is the need to control sludge quality. Under applicable laws, the Department is directed to issue permits to limit concentrations of heavy metals, pesticides, organic chemicals and other contaminants in sludge in conformance with land-based sludge management criteria. All treatment works with a discharge regulated under N.J.A.C. 7:14A must have permits that implement applicable technical standards for residuals management. This general permit issued to the domestic treatment works generating the residual is intended to implement the provisions of the Sludge Quality Assurance Regulations (SQAR, N.J.A.C. 7:14C) for residual quality and quantity monitoring as well as other general conditions required by N.J.A.C. 7:14A-6. These conditions are currently implemented through individual permits issued to applicable treatment works. However, the Department believes that these conditions are more appropriately controlled under a general permit than the individual permits for the following reasons:

1. The class of facilities covered by the general permit all have the same or similar operating conditions, standards for residual use or disposal, monitoring and reporting.
2. Sludge monitoring locations can change frequently. The Department can better accommodate sludge monitoring location changes and sludge monitoring report form changes through issuance of authorizations under this general permit specific to sludge monitoring requirements as opposed to individual permits which often address multiple discharge categories.
3. Pursuant to N.J.A.C. 7:14C-1.12(b) out-of-state DTW's are required to comply with the monitoring and reporting requirements of the SQAR. There is currently no mechanism to track the importation of sludge into the State. Implementation of the general permit will allow the Department to impose the same requirements on out-of-state facilities as are required by in-state facilities.

The SQAR were initially promulgated in October 1979. With the SQAR, the Department embarked on a major program of monitoring the quality and quantity of sludge generated throughout the State by domestic and industrial treatment works. For clarification, SQAR also applies to out-of-state sludge generators if they transport sludge into the State of New Jersey for use or disposal. The SQAR have been in effect for more than 30 years, and the information submitted by the treatment works with regard to their sludge has been extremely useful to the Department in evaluating sludge management plans and establishing land-based sludge management criteria, and to the generators in developing appropriate sludge management alternatives and implementing applicable pretreatment programs.

DTWs with a permitted flow from 0.1 to 0.999 MGD are considered a Category 2 pursuant to N.J.A.C. 7:14C-1.5. The category determines the frequency of sampling and analysis for all required sludge reports in accordance with N.J.A.C. 7:14C-1.8 as follows:

1. An annual Waste Characterization Report (WCR) which shall include: the total sludge removed for use or disposal on a wet basis (gallons, cubic yards or wet tons) per year; the total sludge removed for use or disposal on a dry basis (dry metric tons) per year; and the total solids content (percent by weight) for each form of sludge removed for use or disposal per year.
2. A monthly Residuals Transfer Report (RTR) which shall include the quantity of residuals accepted from each generator and sent to each management site on a wet basis (gallons, cubic yards, and/or metric tons) per month.
3. A semiannual Discharge Monitoring Report (DMR) which shall include analyses of the metals and other selected chemical parameters listed in Appendix, Table I of the SQAR for each form of sludge removed for use or disposal per six month period.

In accordance with N.J.A.C. 7:14C-1.6(b), where a DTW generates different types of sludges that are removed separately for use or disposal, separate composite samples for each different type of sludge shall be analyzed for the parameters under Part III of the permit. The Department will provide a separate monitored location designator for each different type of sludge with its own DMR and RTR for monitoring and reporting purposes.

As part of a Department-wide initiative to mandate electronic reporting of all data submittals, the Department amended N.J.A.C. 7:14C-1.7(b) to require mandatory electronic submittal of monitoring report forms. The Department administers the NJPDES Discharge Monitoring Report Online Service, which is a fully operational electronic reporting system with all the necessary legal, security, and electronic signature functionalities that provide a completely paperless reporting system. The Department anticipates that mandating electronic reporting will improve reliability of data entry, and decrease the number of reports being submitted late or being lost. The Department's web-based system streamlines reporting, which improves the quality of data flow, reduces reporting costs, offers on-line availability of reports and their processing status, and improves the Department's efficiency in data analysis, compliance assessment, and decision-making.

The issuance of a notice of authorization under this permit will constitute written notification that a permittee must enroll in the NJDEP Electronic Data Interchange (EDI) Online System to submit monitoring report forms electronically. Within 180 days after the effective date of a notice of authorization issued under this permit, the permittee must enroll in the EDI Online System at www.nj.gov/dep/online. Questions regarding the EDI Online System should be directed to Julio Collazo or Debbie Esposti at (609) 984-4428, or by email to NJPDES_EDI_SIGNUP@dep.state.nj.us. Until such time as permittee's NJPDES EDI agreement is

executed, paper monitoring report forms will continue to be provided by the Department and shall be submitted to Mail Code 401-02B, Division of Water Quality, Bureau of Pretreatment and Residuals, Permit Administration Section, P.O. Box 420, Trenton, New Jersey 08625-0420.

The documents listed below were instrumental in the Department's development of the permit conditions and monitoring requirements of this general permit:

1. New Jersey "Water Pollution Control Act" and amendments - N.J.S.A. 58:10A-1 et seq.
2. New Jersey "Solid Waste Management Act" and amendments - N.J.S.A. 13:1E-1 et seq.
3. United States Environmental Protection Agency "Standards for the use or disposal of sewage sludge" (40 CFR Part 503).
4. "New Jersey Pollutant Discharge Elimination System" (N.J.A.C. 7:14A).
5. Technical Manual for Residuals Management, May 1998.
6. USEPA Part 503 Implementation Guidance, EPA 833-R-95-001, October 1995. This document is a compilation of federal requirements, management practices and EPA recommended permit conditions for sewage sludge use and management practices.
7. USEPA A Plain English Guide to the EPA Part 503 Biosolids Rule, EPA/832/R- 93/003, September 1994.
8. New Jersey "Statewide Sludge Management Plan", January 2006.
9. New Jersey "Sludge Quality Assurance Regulations" (SQAR), N.J.A.C. 7:14C.
10. Technical Support Document for Land Application of Sewage Sludge, Volumes I and II, EPA 822/R-93-001a and 001b, November 1992.
11. USEPA Process Design Manual Land Application of Sewage Sludge and Domestic Septage, EPA/625/R-95/001, September 1995. This manual summarizes nationwide information concerning land application of sludges.
12. USEPA Environmental Regulations and Technology: Control of Pathogens and Vector Attraction in Sewage Sludge, EPA/625/R-92/013, revised October 1999.
13. USEPA Guide to the Biosolids Risk Assessments for the EPA Part 503 Rule, EPA-832-B-93-005, September 1995.
14. New Jersey Sludge Sampling and Analytical Guidance Document, January 2012, or as amended or supplemented.

8 Name, Bureau, and Phone Number of Contact Persons:

Please call the appropriate case manager in the Bureau of Pretreatment and Residuals at (609) 633-3823 based on the county in which the DTW is located as follows:

Stephen Boyer: Burlington, Camden, Cumberland, Mercer, Ocean Counties

Mitzi Kaiura: Morris and Sussex, and Union Counties

Jim Lunski: Cape May, Essex, Gloucester, Middlesex, and Monmouth Counties

John Murray: Bergen, Hudson, Somerset, and Warren Counties

Alan Workman: Atlantic, Hunterdon, Passaic, and Salem Counties

Table 1 - list of the 65 permittees believed to be eligible for authorization under this general permit

FACILITY NAME	NJPDES #	PI #	COUNTY	MUNICIPALITY
RAMAPO RIVER RESERVE WWTP	NJ0080811	47178	Bergen	Oakland Boro
ALBERT C WAGNER YOUTH CORRECTIONAL FACIL	NJ0026719	46684	Burlington	Bordentown City
KINGS GRANT STP	NJ0029203	46313	Burlington	Evesham Twp
FIELDSBORO WWTP	NJ0031810	46343	Burlington	Fieldsboro Boro
HOMESTEAD TREATMENT UTILITY	NJ0098663	46454	Burlington	Mansfield Twp
MANSFIELD FARMS	NJ0108120	47714	Burlington	Mansfield Twp
MEDFORD LAKES BOROUGH STP	NJ0021326	46591	Burlington	Medford Lakes Boro
RIVERTON STP	NJ0021610	46852	Burlington	Riverton Boro
PINELANDS WASTEWATER COMPANY	NJ0023736	46912	Burlington	Southampton Twp
NEW LISBON DEVELOPMENTAL CTR	NJ0070955	46695	Burlington	Woodland Twp
WRIGHTSTOWN BOROUGH STP	NJ0022985	47101	Burlington	Wrightstown Boro
WOODBINE DEVELOPMENTAL CENTER	NJ0021172	46694	Cape May	Woodbine Boro
WOODBINE AIRPORT BUSINESS PARK	NJ0142026	166779	Cape May	Woodbine Boro
BAYSIDE STATE PRISON	NJ0102849	46113	Cumberland	Maurice River Twp
HARRISON TOWNSHIP TREATMENT PLANT	NJ0020532	46426	Gloucester	Harrison Twp
RICHWOOD WWTP	NJ0154156	223529	Gloucester	Harrison Twp
SWEDESBORO WTP	NJ0022021	46967	Gloucester	Swedesboro Boro
HUDSON CNTY DEPT OF ROADS & PUBLIC PROPERTY	NJ0023566	46460	Hudson	Secaucus Town
MOUNTAINVIEW CORRECTIONAL INSTITUTION	NJ0028487	46651	Hunterdon	Clinton Twp
FRENCHTOWN WASTEWATER TREATMENT PLANT	NJ0029831	46366	Hunterdon	Frenchtown Boro
MILFORD SEWER UTILITY	NJ0021890	46608	Hunterdon	Milford Boro
READINGTON-LEBANON SA	NJ0098922	46831	Hunterdon	Readington Twp
STONY BROOK RGNL SEWERAGE AUTH	NJ0035301	46949	Mercer	Hopewell Twp
STONY BROOK RSA	NJ0035319	46950	Mercer	Pennington Boro
ALLENTOWN BORO WWTP	NJ0020206	46034	Monmouth	Allentown Boro
NAVAL WEAPONS STATION EARLE	NJ0023540	47036	Monmouth	Colts Neck Twp
MARLBORO PSYCHIATRIC HOSPITAL	NJ0022586	46582	Monmouth	Marlboro Twp
SANDY HOOK WTP	NJ0022314	46378	Monmouth	Middletown Twp
ROOSEVELT BORO WTP	NJ0022918	46858	Monmouth	Roosevelt Boro
BEACON HILL WTF	NJ0105228	47550	Monmouth	Upper Freehold Twp
CHATHAM GLEN STP	NJ0052256	46104	Morris	Chatham Twp
CHATHAM TWP MAIN STP	NJ0020290	46199	Morris	Chatham Twp
WHITE ROCK STP	NJ0026867	46495	Morris	Jefferson Twp
SUNRISE @ JEFFERSON LLC	NJ0133558	49693	Morris	Jefferson Twp
LONG HILL TOWNSHIP OF STP	NJ0024465	46757	Morris	Long Hill Twp
MENDHAM BORO	NJ0021334	46594	Morris	Mendham Boro
UNITED WATER ARLINGTON HILLS SEWERAGE CO	NJ0065226	46076	Morris	Mount Arlington Boro
CLOVERHILL STP	NJ0021954	46655	Morris	Mount Olive Twp
MT OLIVE VILLAGES SEWER CO STP	NJ0099538	46657	Morris	Mount Olive Twp
OAKWOOD VILLAGE WTP	NJ0090051	46721	Morris	Mount Olive Twp
GREYSTONE PARK PSYCH HOSPITAL	NJ0026689	46697	Morris	Parsippany Troy-Hills
WASHINGTON TOWNSHIP MUA WTP	NJ0023493	47067	Morris	Washington Twp

FACILITY NAME	NJPDES #	PI #	COUNTY	MUNICIPALITY
LONG VALLEY VILLAGE WTP	NJ0109061	47764	Morris	Washington Twp
BALD EAGLE VILLAGE STP	NJ0051098	46105	Passaic	West Milford Twp
OLDE MILFORD ESTATES STP	NJ0027677	47077	Passaic	West Milford Twp
HIGHVIEW ACRES STP	NJ0027685	47078	Passaic	West Milford Twp
PENNS GROVE SEWERAGE AUTHORITY	NJ0024023	46767	Salem	Penns Grove Boro
WOODSTOWN WASTEWATER TREATMENT PLANT	NJ0022250	47099	Salem	Woodstown Boro
VETERANS AFFAIRS NJ HEALTH CARE SYSTEM- LYONS	NJ0021083	46267	Somerset	Bernards Twp
BERNARDSVILLE STP	NJ0026387	46124	Somerset	Bernardsville Boro
STAGE II TREATMENT PLANT	NJ0026905	46632	Somerset	Montgomery Twp
RIVERSIDE FARMS STP	NJ0050130	46633	Somerset	Montgomery Twp
PIKE BROOK STP	NJ0060038	46634	Somerset	Montgomery Twp
CHERRY VALLEY STP	NJ0069523	46636	Somerset	Montgomery Twp
SKILLMAN VILLAGE WASTEWATER TREATMENT PLANT	NJ0022390	46708	Somerset	Montgomery Twp
WARREN TWP SEWERAGE AUTH STAGE I-II STP	NJ0022489	47063	Somerset	Warren Twp
WARREN STAGE IV STP	NJ0022497	47064	Somerset	Warren Twp
WARREN STAGE V STP	NJ0050369	47065	Somerset	Warren Twp
ANDOVER NURSING HOME	NJ0090069	46069	Sussex	Andover Twp
BRANCHVILLE WWTP & GROUNDWATER DISPOSAL BEDS	NJ0146676	216237	Sussex	Frankford Twp
LEGENDS RESORT & COUNTRY CLUB	NJ0023949	46403	Sussex	Vernon Twp
ALLAMUCHY SEWERAGE TREATMENT PLANT	NJ0020605	46776	Warren	Allamuchy Twp
BELVIDERE AREA WWTF	NJ0035114	47059	Warren	Belvidere Town
KNOWLTON WWTP	NJ0134864	49801	Warren	Knowlton Twp
OXFORD AREA WTF	NJ0035483	47060	Warren	Oxford Twp

New Jersey Department of Environmental Protection
Division of Water Quality
Bureau of Pretreatment and Residuals

RESPONSE TO COMMENTS

No comments were received during the public comment period for the new draft New Jersey Pollutant Discharge Elimination System (NJPDES) Permit No. NJ0211672 issued to the NJDEP Division of Water Quality on 07/10/2013.

The Public Notice was published in the following newspapers:

Newspaper	Date Published
Asbury Park Press	07/13/2013
Burlington County Times	07/14/2013
Courier Post	07/17/2013
Daily Journal Vineland	07/17/2013
The Press of Atlantic City	07/19/2013
The Star-Ledger	07/16/2013
The Times of Trenton	07/15/2013

The Public Notice was also published in the 07/10/2013 issue of the *DEP Bulletin*. In accordance with N.J.A.C. 7:14A-15.10(c)1i the public comment period shall close no sooner than thirty (30) days after the last newspaper publication. Therefore, the public comment period ended on 08/18/2013.



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: NJ0211672

FINAL: Residual Master General Permit New

Permittee:
General Permit
Per Individual Notice of Authorization

Co-Permittee:

Property Owner:
NJDEP – Division of Water Quality
401 E. State Street
Trenton, NJ 08625

Location Of Activity:
General Permit
Per Individual Notice of Authorization

Authorization(s) Covered Under This Approval	Issuance Date	Effective Date	Expiration Date
S2G -Sludge Quality Category 2 (GP)	08/20/2013	01/01/2014	12/31/2018

By Authority of:
Commissioner's Office

Anthony Pilawski

DEP AUTHORIZATION
Anthony Pilawski, Environmental Specialist 4
Bureau of Pretreatment and Residuals
Water Pollution Management Element

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 <u>et seq.</u> |
| 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. General Discharge Requirements

- 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.;
 - 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; and
 - 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. 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. 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 report any noncompliance with the land-based sludge management criteria to the Department and to the ultimate sludge management alternative utilized by the permittee in accordance with Part IV, D.1.b of this permit.

3. Notification of Changes

- a. The permittee shall give written notice to the Department of any planned physical alterations or additions to the permitted facility when the alteration or addition is expected to result in a significant change in the permittee's discharge(s) and/or residual use or disposal practices. This includes, but is not limited to, any changes in the treatment process that would result in a change to: sludge quality, a monitored location, and/or addition of a monitored location.
- 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.

4. Permit Conditions Relating to Residuals Management

- a. 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.
- b. 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.
- c. 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.
- d. 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).
- e. 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.
- f. 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 to submit to the Department written proof of compliance with or satisfaction of all applicable statutes, regulations, and guidelines of the state in which land application will occur.

5. Additional General Requirements

- a. This general permit may be issued, modified, revoked and reissued, or terminated in accordance with applicable requirements of N.J.A.C. 7:14A-15, 16 and 17.

- b. With the consent of the permittee, the Department shall revoke an authorization to discharge under this general permit without following the procedures set forth in N.J.A.C. 7:14A-15.6 if the discharge has ceased and provided that all applicable closure requirements as required by N.J.A.C. 7:14A-23.34 have been completed.

6. Requirements to Obtain an Individual Permit

- a. The Department may require any person authorized by this general New Jersey Pollutant Discharge Elimination System (NJPDES) permit to apply for and obtain an individual NJPDES permit. Cases in which an individual NJPDES permit may be required include the following:
 - i. The quantity and/or quality of the discharge changes such that site specific requirements are necessary;
 - ii. The permittee is not in compliance with the conditions of the general NJPDES permit;
 - iii. A change has occurred such that the source does not involve the same or substantially similar types of operating procedures; or
 - iv. A change has occurred such that the source does not require the same or similar monitoring.
- b. The Department may require any owner, operator and/or discharger authorized by this general NJPDES permit to apply for an individual NJPDES permit as provided above, only if the owner, operator, or discharger has been notified in writing that a permit application is required. This notice shall include a statement establishing a deadline by which the owner, operator, and/or discharger is to file the application, and a statement that on the effective date of the individual NJPDES permit the general NJPDES permit as it applies to the individual permittee shall be revoked.

7. Exclusions

- a. Any owner, operator, and/or discharger authorized by this general permit may request to be excluded from the coverage of the general NJPDES permit by applying for an individual permit. 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.

8. Administrative Requirements

- a. Persons seeking authorization under this general permit shall submit to the Department a written Request for Authorization (RFA). A RFA under this general permit shall include the following: A completed NJPDES 1 Form and a completed Form R.
- b. The Department may notify a person that the discharge is authorized by a general permit, even if the person has not submitted a RFA. A person so notified may nonetheless request an individual permit under B.7 above.
- c. Authorizations under this general permit shall become effective upon receipt of notification of authorization by the Department as allowed pursuant to N.J.A.C. 7:14A-6.13(d)5.iii.

- d. Upon reissuance of this general permit, authorizations shall be automatically renewed as allowed pursuant to N.J.A.C. 7:14A-6.13(d)9. However, the renewal of an authorization either requires a notice to the Department that there are no changes or a new RFA to be submitted to update any information that is no longer true, accurate and/or complete

9. Access

- 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. The Department or its designated agent may take samples of sludge to verify the reported analytical data and to determine if the permittee is in compliance with this permit.

PART III LIMITS AND MONITORING REQUIREMENTS

MONITORED LOCATION:
SL2A SQAR - Example Location

DISCHARGE CATEGORY(IES):
S2G - Sludge Quality Category 2 (GP)

Location Description

The sampling location(s) will be determined by your application (Form R). Where a treatment works generates different types of residuals that are removed separately for use or disposal, or where a treatment works accepts customer sludge or septage, separate sampling points for each different type of residual may need to be established.

Contributing Waste Types

Dom Residual-Other

Residuals DMR Reporting Requirements:

Submit a Semi-Annual DMR: due 60 calendar days after the end of each calendar six months.

Table III - A - 1: Residuals 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
Solids, Total	Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	%TS	1/6 Months	Composite
	January thru December	QL	***		***	***	***			
Nitrate Nitrogen, Dry Weight	Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/6 Months	Composite
	January thru December	QL	***		***	***	***			
Nitrogen, Kjeldahl Total, Dry Wt	Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/6 Months	Composite
	January thru December	QL	***		***	***	***			
Potassium Dry Weight	Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/6 Months	Composite
	January thru December	QL	***		***	***	***			

Residuals DMR Reporting Requirements:

Submit a Semi-Annual DMR: due 60 calendar days after the end of each calendar six months.

Table III - A - 1: Residuals DMR Limits and Monitoring Requirements

PHASE: Final

PHASE Start Date:

PHASE End Date:

Parameter	Sample Point	Limit	Limit	Units	Limit	Limit	Limit	Units	Frequency	Sample Type
Nitrogen, Ammonia Dry Weight	Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/6 Months	Composite
	January thru December	QL	***		***	***	***			
Calcium Dry Weight	Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/6 Months	Composite
	January thru December	QL	***		***	***	***			
Molybdenum Dry Weight	Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/6 Months	Composite
	January thru December	QL	***		***	***	***			
Phosphorus Dry Weight	Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/6 Months	Composite
	January thru December	QL	***		***	***	***			
Arsenic, Dry Weight	Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/6 Months	Composite
	January thru December	QL	***		***	***	***			
Selenium, Dry Weight	Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/6 Months	Composite
	January thru December	QL	***		***	***	***			
Copper, Dry Weight	Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/6 Months	Composite
	January thru December	QL	***		***	***	***			

Residuals DMR Reporting Requirements:

Submit a Semi-Annual DMR: due 60 calendar days after the end of each calendar six months.

Table III - A - 1: Residuals 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
Beryllium Dry Weight	Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/6 Months	Composite
	January thru December	QL	***		***	***	***			
Cadmium, Dry Weight	Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/6 Months	Composite
	January thru December	QL	***		***	***	***			
Zinc, Dry Weight	Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/6 Months	Composite
	January thru December	QL	***		***	***	***			
Lead, Dry Weight	Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/6 Months	Composite
	January thru December	QL	***		***	***	***			
Nickel, Dry Weight	Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/6 Months	Composite
	January thru December	QL	***		***	***	***			
Mercury, Dry Weight	Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/6 Months	Composite
	January thru December	QL	***		***	***	***			

Residuals DMR Reporting Requirements:

Submit a Semi-Annual DMR: due 60 calendar days after the end of each calendar six months.

Table III - A - 1: Residuals 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
Chromium, Dry Weight January thru December	Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/6 Months	Composite
	QL	***	***		***	***	***			

Residuals Transfer Reporting Requirements:

Submit a Monthly RTR: due 60 calendar days after the end of each calendar month.

MONITORED LOCATION:
SL2P SQAR - Sludge Production

DISCHARGE CATEGORY(IES):
S2G - Sludge Quality Category 2 (GP)

Location Description

Production information shall be collected on all residuals leaving the treatment plant for use or disposal. All residuals removed from the treatment works during the reporting period must be reported on the Monitoring Report Forms (MRF's). If the permittee is removing residuals for use or disposal from a location other than the monitored location(s) in Part III of the permit, the permittee shall contact BPR prior to removal to determine if the residual should be reported on the existing MRF's or if a new monitored location should be added.

Contributing Waste Types

Dom Residual-Other

Residuals WCR - Annual Reporting Requirements:

Submit an Annual WCR: due 60 calendar days after the end of each calendar year.

Table III - B - 1: Residuals WCR - Annual Limits and Monitoring Requirements

PHASE: Final

PHASE Start Date:

PHASE End Date:

Parameter	Sample Point	Compliance Quantity	Units	Sample Type	Monitoring Period
Amt Sludge Rmvd, Wet Cubic Yards	Residuals	REPORT	WCY/YR	Calculated	January thru December
Amt Sludge Rmvd, Wet Metric Tons	Residuals	REPORT	WMT/YR	Calculated	January thru December
Amt Sludge Rmvd, Gallons	Residuals	REPORT	GAL/YEAR	Calculated	January thru December
Total Amount of Sludge Removed	Residuals	REPORT	DMT/YR	Calculated	January thru December
Solids, Total	Residuals	REPORT	%TS	Composite	January thru December

PART IV

SPECIFIC REQUIREMENTS: NARRATIVE

Notes and Definitions

A. Footnotes

1. Statistical Base Limit

- a. Monthly Average - report the arithmetic mean of all samples taken during that month.

2. Sample Type

- a. Composite - a minimum of five (5) grab samples of equal volumes shall be taken to form a representative composite of residual quality in accordance with N.J.A.C. 7:14C-1.6.

B. Definitions

1. Definitions

- a. All words and terms used in this permit shall have meanings as defined in the "Regulations Concerning the New Jersey Pollutant Discharge Elimination System" (N.J.A.C. 7:14A), unless otherwise stated or unless the context clearly requires a different meaning.
- b. "Land-based sludge management criteria" means those standards established by the Department in the Statewide Sludge Management Plan adopted pursuant to the Solid Waste Management Act, N.J.S.A. 13:1E-1 et seq., or established pursuant to the Clean Water Act or the Federal Water Pollution Control Act (33 U.S.C. Section 1251 et seq.) including all subsequent supplements and amendments, or any regulations adopted pursuant thereto.
- c. "Sludge" means the solid residue and associated liquid resulting from physical, chemical, and/or biological treatment of domestic or industrial wastewaters.
- d. "Treatment works" means any treatment works as defined by N.J.A.C. 7:14A-1.2 and N.J.S.A. 58:10A-3.
- e. "Ultimate sludge management alternative" means the final management of sludge at a facility or operation such that no additional permit or approval actions are required for further processing or movement.

Sludge Quality Category 2 (GP)

A. Sludge Quality Requirements

1. Residuals Information

- a. The parameters required to be monitored are specifically stated under Part III of this permit.
- b. All sludge samples shall be collected at locations representative of the chemical and physical characteristics of the sludge removed from the last treatment process before leaving the treatment plant for use or disposal.
- c. Where a treatment works generates several different types of sludges (for example, primary, secondary or advanced wastewater treatment sludges) each of which is removed separately for use or disposal, separate composite samples for each different type of sludge shall be analyzed for the parameters under Part III of this permit.
- d. All residuals removed from the treatment works during the reporting period must be reported on the RTR. If the permittee is removing residuals for use or disposal from a location other than the monitored location in Part III of the permit, the permittee shall contact BPR prior to removal to determine if the residual should be reported on the existing MRF's or if a new monitored location should be added.
- e. A sludge sampling plan that details the sampling and analytical procedures pursuant to N.J.A.C. 7:14C-1.6(c) shall be developed and maintained for all parameters under Part III of this permit.
- f. All sample collection, preservation and analysis shall be performed in a manner consistent with the Sludge Quality Assurance Regulations (N.J.A.C. 7:14C).
- g. 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.
- h. All sample frequencies expressed in Part III are minimum requirements. If the permittee monitors any parameter more frequently than required by this permit and uses the test procedures contained herein, the results of this monitoring shall be included in the calculation and reporting of the data submitted. Such increased frequency shall also be indicated.

B. Recordkeeping

1. Standard Recordkeeping Requirements

- a. 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.

2. Residuals Information

- a. In addition to the information required under Part III, the permittee shall retain the following information for a period of at least five (5) years:
 - i. All records of the monitoring information, and quality assurance and quality control documentation specified in N.J.A.C. 7:14C-1.4(f).
 - ii. Records on the quality of all residual received pursuant to the Sludge Quality Assurance Regulations at N.J.A.C. 7:14C.

C. Reporting

1. Residuals Information

Sludge Quality Category 2 (GP)

- a. The frequency of reporting to the Department of the records kept under Part III shall be as specifically stated therein.
- b. The permittee shall report monitoring results on the Discharge Monitoring Reports (DMR), Waste Characterization Reports (WCR), Residuals Transfer Reports (RTR), or other monitoring report forms, where specified, and all applicable information required on the forms shall be entered in the manner specified therein before submission. Any information not in compliance with this condition shall not be deemed to fulfill the reporting requirements of this permit.
- c. Within 180 days after the effective date of a notice of authorization issued under this permit, the permittee must enroll in the NJDEP Electronic Data Interchange (EDI) Online System to submit monitoring report forms noted in C.1.b above electronically. The permittee must enroll at www.nj.gov/dep/online. Questions regarding the EDI Online System should be directed to Julio Collazo or Debbie Esposti at (609) 984-4428, or by email to NJPDES_EDI_SIGNUP@dep.state.nj.us. Until such time as your NJPDES EDI agreement is executed paper monitoring report forms will be provided to you by the Department and shall be submitted to Mail Code 401-02B, Division of Water Quality, Bureau of Pretreatment and Residuals, Permit Administration Section, P.O. Box 420, Trenton, New Jersey 08625-0420.
- d. Submit any modifications to the sludge sampling plan required pursuant to Section A.1.e above within thirty (30) days of any subsequent sampling plan modification. The sludge sampling plan modification shall be submitted to: Mail Code 401-02B, Division of Water Quality, Bureau of Pretreatment and Residuals, P.O. Box 420, Trenton, New Jersey 08625-0420

D. Operation and Management

1. Residuals Information

- a. The permittee shall comply with the land-based sludge management criteria applicable to the ultimate sludge management alternative utilized by the permittee. It shall be the responsibility of the permittee to ensure that all residual accepted is compatible with the land-based sludge management criteria applicable to the ultimate sludge management alternative utilized by the permittee.
- b. The permittee shall report any noncompliance with the land-based sludge management criteria to the Department. The noncompliance with the land-based sludge management criteria shall be orally reported within 24 hours of the permittee becoming aware of the noncompliance to the Bureau of Pretreatment and Residuals at (609) 633-3823 and to the ultimate sludge management alternative. A written submission shall be made within five days thereafter to: Mail Code 401-02B, Division of Water Quality, Bureau of Pretreatment and Residuals, P.O. Box 420, Trenton, New Jersey 08625-0420, with a copy to the ultimate sludge management alternative, and shall include the following information:
 - i. Dates of occurrence;
 - ii. A description of the noncompliance with the land-based sludge management criteria;
 - iii. The cause of the noncompliance; and
 - iv. Steps being taken to reduce, eliminate and prevent reoccurrence of the noncompliance.

- c. Based on information submitted pursuant to (b) above, or pursuant to N.J.A.C. 7:14A-20.5, the Department may require the permittee to perform and submit the results of additional sludge analyses, obtain under N.J.A.C. 7:26G a formal waste classification of the sludge removed for use or disposal, and/or require other actions when necessary to protect public health or the environment from any adverse effect of a pollutant in the sludge.

2. Closure Requirements

- a. The permittee shall follow the closure procedures at N.J.A.C. 7:14A-23.34.
- b. All residual material shall be removed within 180 calendar days after the treatment works and/or equipment is taken out of service.
- c. Proof of proper residual management shall be submitted within thirty (30) calendar days after their removal from a closed unit.

NJPDES MASTER GENERAL PERMIT PROGRAM INTEREST, Trenton

Permit No.NJ0211672
RES130001 Residual Master General Permit New