



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

July 23, 2012

Re: Residual Master General Permit New
Cat: S3G -Sludge Quality Category 3 (GP)
NJPDES Permit No.: NJ0200182, 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 1.0 and 4.999 MGD.

A summary of the significant and relevant comments received on the draft action during the public comment period, the Department's responses, and an explanation of any changes from the draft action have been included in the Response to Comments document attached hereto as per N.J.A.C. 7:14A-15.16.

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

c: Permit Distribution List

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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 S3G
PER INDIVIDUAL NOTICE OF AUTHORIZATION
Trenton, NJ 08625

2 Name and Address of the Facility/Site:

NJPDES MASTER GENERAL PERMIT - CATEGORY S3G
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 1.0 to 4.999 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 fifty-four (54) 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 1.0 to 4.999 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 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 1.0 to 4.999 MGD are considered a Category 3 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 quarterly 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 quarter.
4. An annual Waste Characterization Report (WCR) which shall include analyses for the parameters listed in Appendix, Tables II through VI of the SQAR for sludge removed for use or disposal per year.

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.

7 Summary of Modified Permit Conditions:

Comments were received during the public comment period for the draft (see the Response to Comments Section), however, no provisions of the final permit have been changed in the final permit.

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, and Ocean Counties

Timothy Doult: Essex County

Lisa Hoare: Mercer and Morris Counties

Mitzi Kaiura: Gloucester, Hunterdon, Sussex and Union Counties

Jim Lunski: Cape May, Monmouth, and Middlesex Counties

John Murray: Hudson, Somerset, and Warren Counties

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

Table 1 - list of the 54 permittees believed to be eligible for authorization under this general permit

FACILITY NAME	NJPDES #	PI #	COUNTY	MUNICIPALITY
HAMMONTON WWTP	NJ0025160	46421	Atlantic	Hammonton Town
CENTRAL AVE WASTEWATER TREATMENT PLANT	NJ0021709	46158	Burlington	Burlington Twp
RIVERSIDE WATER RECLAMATION AUTHORITY	NJ0022519	46851	Burlington	Riverside Twp
DELRAN TWP SEWER UTILITY DEPT	NJ0023507	46265	Burlington	Delran Twp
FLORENCE TOWNSHIP STP	NJ0023701	46351	Burlington	Florence Twp
CINNAMINSON SA	NJ0024007	46208	Burlington	Cinnaminson Twp
ELMWOOD WTP	NJ0024031	46311	Burlington	Evesham Twp
WOODSTREAM STP	NJ0024040	46312	Burlington	Evesham Twp
PALMYRA STP	NJ0024449	46748	Burlington	Palmyra Boro
BURLINGTON CITY STP	NJ0024660	46156	Burlington	Burlington City
BORDENTOWN SA BLACK'S CREEK STP	NJ0024678	46140	Burlington	Bordentown City
MOORESTOWN TWP WWTP	NJ0024996	46637	Burlington	Moorestown Twp
MEDFORD TWP WASTEWATER TREATMENT PLANT	NJ0026832	46592	Burlington	Medford Twp
BEVERLY SEWERAGE AUTHORITY	NJ0027481	46129	Burlington	Beverly City
MAPLE SHADE TWP PARK AVE WWTP	NJ0069167	46579	Burlington	Maple Shade Twp
US ARMY FORT DIX	NJ0074284	47027	Burlington	New Hanover Twp
WINSLOW TWP WTP	NJ0061760	47091	Camden	Winslow Twp
CAPE MAY REG WTF	NJ0020371	46172	Cape May	Lower Twp
LOWER TOWNSHIP MUA	NJ0023809	46562	Cape May	Lower Twp
CALDWELL WASTEWATER TREATMENT PLANT	NJ0020427	46165	Essex	West Caldwell Twp
VERONA TWP WTP	NJ0024490	47050	Essex	Verona Twp
LIVINGSTON WATER POLLUTION CONTROL FACIL	NJ0024511	46556	Essex	Livingston Twp
CEDAR GROVE STP	NJ0025330	46191	Essex	Cedar Grove Twp
LOGAN TOWNSHIP MUA	NJ0027545	46557	Gloucester	Logan Twp
GREENWICH TOWNSHIP STP	NJ0030333	46404	Gloucester	Greenwich Twp
WOODCLIFF STP	NJ0029084	46705	Hudson	North Bergen Twp
CLINTON TOWN WWTP	NJ0020389	46220	Hunterdon	Clinton Town
LAMBERTVILLE MUNICIPAL UTILITY AUTH	NJ0020915	46534	Hunterdon	Lambertville City
RARITAN TOWNSHIP MUA STP	NJ0022047	46827	Hunterdon	Raritan Twp
EAST WINDSOR WATER POLLUTION CONTROL PLANT	NJ0023787	46289	Mercer	East Windsor Twp
HIGHTSTOWN BORO AWWTP	NJ0029475	46439	Mercer	Hightstown Boro
UNITED WATER PRINCETON MEADOWS	NJ0024104	46800	Middlesex	Plainsboro
ASBURY PARK WTP	NJ0025241	46081	Monmouth	Asbury Park City
HACKETTSTOWN MUA	NJ0021369	46415	Morris	Washington Twp
ROXBURY TOWNSHIP	NJ0022675	46860	Morris	Roxbury Twp
HANOVER SEWERAGE AUTHORITY WTP	NJ0024902	46423	Morris	Hanover Twp
BUTTERWORTH WATER POLLUTION CONTROL UTIL	NJ0024911	46642	Morris	Morristown Town
WOODLAND WATER POLLUTION CONTROL UTILITY	NJ0024929	46643	Morris	Morris Twp
MOLITOR WATER POLLUTION CONTROL FACILITY	NJ0024937	46570	Morris	Chatham Boro
MORRISTOWN SEWER UTILITY	NJ0025496	46645	Morris	Hanover Twp
FLORHAM PARK WATER POLLUTION CNTRL FACIL	NJ0025518	46352	Morris	Florham Park Boro
MUSCONETCONG SEWERAGE AUTHORITY	NJ0027821	46474	Morris	Mount Olive Twp
POMPTON LAKES BORO MUA	NJ0023698	46793	Passaic	Pompton Lakes Boro

FACILITY NAME	NJPDES #	PI #	COUNTY	MUNICIPALITY
WANAQUE VALLEY REGIONAL SEWERAGE AUTH	NJ0053759	47057	Passaic	Wanaque Boro
PENNSVILLE SEWERAGE AUTHORITY	NJ0021598	46769	Salem	Pennsville Twp
CARNEYS POINT STP	NJ0021601	46181	Salem	Carneys Point Twp
SALEM CITY WASTEWATER TREATMENT FACILITY	NJ0024856	46867	Salem	Salem City
HARRISON BROOK STP	NJ0022845	46119	Somerset	Bernards Twp
ENVIRONMENTAL DISPOSAL CORP	NJ0033995	46308	Somerset	Bedminster Twp
NEWTON WASTEWATER TREATMENT PLANT	NJ0020184	46681	Sussex	Newton Town
SUSSEX CNTY MUA UPPER WALLKILL FACILITY	NJ0053350	46965	Sussex	Hardyston Twp
BERKELEY HEIGHTS WPCF	NJ0027961	46122	Union	Berkeley Heights Twp
WASHINGTON BORO WWTP	NJ0021113	47066	Warren	Washington Boro
PHILLIPSBURG TOWN STP	NJ0024716	46785	Warren	Phillipsburg Town

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

RESPONSE TO COMMENTS

This constitutes the New Jersey Department of Environmental Protection (Department) response to comments raised during the public comment period for the new draft New Jersey Pollutant Discharge Elimination System (NJPDES) Permit No. NJ0200182 issued to the NJDEP Division of Water Quality on 05/30/2012.

The Public Notice was published in the following newspapers:

Newspaper	Date Published
Asbury Park Press	06/12/2012
Burlington County Times	06/01/2012
Courier Post	06/01/2012
Home News Tribune	06/01/2012 & 06/12/2012
Hunterdon County Democrat	06/03/2012
New Jersey Herald	06/02/2012
News of Cumberland County	06/03/2012 & 06/06/2012
The Press of Atlantic City	06/01/2012
The Star-Ledger	06/01/2012
Today's Sunbeam	06/01/2012
The Times of Trenton	06/04/2012

The Public Notice was also published in the 06/20/2012 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 07/12/2012. Comments were received from:

- Glen Miller, Pennoni Associates, Inc. (Comments 1 & 2)
- John N. Mathieu, Resident / Taxpayer (Comment 3)
- Timothy H. Newton, Township of Verona (Comments 4 - 7)

The Department provides the following responses to comments received:

1. COMMENT:

Is the submission of the "Form R" application a formality for all Category S3G permittees, or does submission of the "Form R" application commit the municipality as their intent to file under the General Permit?

RESPONSE:

The submission of a new Form R will be considered a Request for Authorization (RFA) under the General Permit (GP). However, unless a permittee specifically requests to be excluded, in writing, from the GP, the Department will notify a permittee that they are authorized by the GP even if the permittee does not submit an updated Form R. See Draft GP Part II Condition B.8.b which reads, “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”. (This condition is based on rule at N.J.A.C. 7:14A-6.13(d)8). See Draft GP Part II Condition B.7.a with regards to exclusion from the GP, which reads “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”.

2. COMMENT:

What does submitting a Form R application at this time signify, and will NJDEP formally send correspondence to the municipality requesting if the municipality would like to file under a General Permit?

RESPONSE:

Submitting the Form R does signify a RFA for the GP. The fifty-four (54) eligible facilities listed in the draft permit will be issued a Notice of Authorization under the GP (unless they specifically exclude themselves in writing), and no additional correspondence will be sent to the municipality by the Department requesting if they would like to file under the GP.

3. COMMENT:

Can you or someone in your department tell me how, as a resident and a taxpayer, this rule will have a direct and noticeable benefit to the public?

RESPONSE:

The public notice referenced is not a rule but rather a notice for the issuance of a GP. This GP is intended to implement the provisions of the Sludge Quality Assurance Regulations (SQAR) for sludge quality and quantity monitoring of sewage treatment plants. SQAR is the rule and has been in existence since 1980. SQAR requires every sewage treatment plant to monitor sludge quality and track the movement of this sludge to its ultimate management site (monitoring & reporting frequency determined by size or permitted flow of the treatment

plant in million gallons per day). If you are interested in the public benefit or purpose of the SQAR rule see the SQAR proposal document from 2011 which can be found at <http://www.nj.gov/dep/rules/proposals/060611a.pdf>.

The benefit of a GP is that many facilities can be authorized under the same permit with the same conditions. In the draft GP you will see the list of the facilities eligible for this permit (all sewage treatment plants that have a permitted flow between 1 - 4.999 MGD). Currently these facilities have sludge monitoring & reporting in their discharge to surface or ground water permits. This GP pulls those requirements out of those permits (issued by another Bureau in the Department) and puts them in the GP. In contrast to an individual permit, the GP will improve the speed and efficiency of permit renewal. In addition, unlike a typical surface or groundwater discharge through a fixed pipe, sludge sampling locations can change. The GP is a more efficient mechanism for implementing changes to sludge sampling points. This GP is also the trigger for requiring the permittees to submit monitoring data to the Department electronically as required by SQAR.

In addition, SQAR requires the Department to monitor the sludge quality of out-of-state sludge coming into NJ. Since the current system is to collect this data through the surface and groundwater permits there has been no way to collect out-of-state data since the Department does not issue surface and groundwater permits for a discharge in another state. This GP can be issued to the out-of-state facilities coming into NJ and will contain the requirement that they report the data to the Department electronically.

4. COMMENT: Clarify the meaning of “form” of sludge and “type” of sludge

Within the draft permit, these two terms appear to be used synonymously. The Township of Verona WWTP produces only one type of sludge, but can dispose of that sludge in two different forms. The Township of Verona utilizes Anaerobic Sludge Digestion in its treatment system. Sludge from the Secondary Stage of the Anaerobic Digestion process is disposed of either directly in liquid form, or is dewatered utilizing sand-based Drying Bed process prior to disposal. In either case the sludge composition is the same, anaerobically digested secondary stage sludge. It is our interpretation that the sludge produced at the Verona WWTP is of the same type, anaerobic – second stage sludge, and is disposed of in two different forms, liquid and dried. Is it the intention of the NJDEP to consider the liquid and dried sludge produced at the Verona WTP as the same type of sludge, or classify the sludges as different types of sludge?

RESPONSE:

The Department considers liquid and dried sludge as different types of sludge. In accordance with N.J.A.C. 7:14C-1.6(b), where a treatment works generates several different types of sludge each of which is removed separately for use or disposal, separate composite samples for each different type of sludge shall be analyzed and reported pursuant to N.J.A.C. 7:14C-1.8(c). This citation (N.J.A.C. 7:14C-1.8(c)) refers to the SQAR Appendix – Table I parameters which are placed on a DMR. In addition, pursuant to N.J.A.C. 7:14C-1.6(a), 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. The Department considers sludge drying beds to be a different treatment process than anaerobic digesters. If sludge data was only collected from the anaerobically digested liquid sludge these results would not be representative of the dried sludge removed from the drying beds nor accepted by a sludge management alternative receiving the dried sludge.

5. COMMENT: Quarterly Discharge Monitoring of Sludge

The Township of Verona WWTP disposes of sludge in two forms, liquid and dried. However, both forms of disposed sludge are of the same type of sludge, anaerobically digested second stage sludge. In the draft Residual General Permit it appears that analytical testing will need to be performed on both the liquid and dried produced sludge under the SQAR analytical program, Appendix, Table I. If the liquid and dried sludge are the same types of sludge, why would analytical testing be needed on both?

RESPONSE:

As stated above, the Department considers liquid and dried sludge as different types of sludge, as such, quarterly analytical testing (SQAR Appendix Table I) is required on both types of sludge pursuant to N.J.A.C. 7:14C-1.6(b). However, in accordance with N.J.A.C. 7:14C-1.13(a)3, a domestic treatment works in Category 1 through 4 is exempt from performing analyses in accordance with N.J.A.C. 7:14C-1.8(c) during monitoring periods when sludge is not removed from the treatment works for use or disposal (provided the DTW performs the minimum number of analyses required to be submitted under 40 CFR Parts 503). Therefore, during quarterly monitoring periods when Verona does not remove dried sludge for use or disposal, Verona is exempt from performing analyses on the dried sludge and can report NODI on the dried sludge quarterly DMR.

6. COMMENT: Annual Waste Characterization (analytical)

The Township of Verona WWTP disposes of sludge in two forms, liquid and dried. However, both forms of disposed sludge are of the same type of sludge, anaerobically digested second stage sludge. In the draft Residual General Permit it is unclear if analytical testing (Appendix – Table II through VI) will need to be performed on both the liquid and dried produced sludge. If the liquid and dried sludge are the same types of sludge, why would analytical testing be needed on both?

RESPONSE:

Although Verona removes two different types of sludge only one set of analytical testing for the parameters listed in SQAR Appendix – Tables II through VI (priority pollutant scan) is

required. In accordance with N.J.A.C. 7:14C-1.6(b), the separate composite samples for each different type of sludge is required for the SQAR Appendix – Table I parameters (N.J.A.C. 7:14C-1.8(c)) only.

7. COMMENT: Sludge quality permit concentration limits

The draft Residual General Permit mentioned sludge quality permit limits for contaminants under Section 7: Basis for Permit Conditions. Although this draft did not list any contaminant limits within the General Permit, will this information be included in the issued Permit? As with the NJPDES Surface Water Permits, all of the permit limits for sludge quality should be included within the Residual General permit for reference.

RESPONSE:

All parameters will be “report only” in the Notice of Authorizations issued under the GP. However, this does not relieve the permittee of compliance with land-based sludge management criteria as required by N.J.S.A. 58:10A-41. The actual sludge management criteria which must be met will vary for each permittee based on the sludge management alternative utilized. Since sludge generators often change the management site utilized, and in consideration that, as a customer, a violation of a sludge standard may not have occurred at the management site, the Department has not imposed sludge limits in permits issued to sludge generators. Nevertheless, it is the responsibility of the sludge generator to be aware of any sludge standards imposed on the sludge management site utilized, and to report any noncompliance with those standards in accordance with Part IV, Section D.1 of the GP.



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: NJ0200182

FINAL: Residual Master General Permit New

Permittee:
General Permit
Per Individual Notice of Authorization

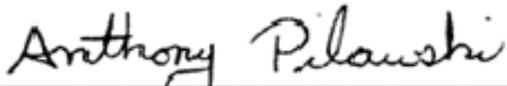
Co-Permittee:

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
S3G -Sludge Quality Category 3 (GP)	07/23/2012	01/01/2013	12/31/2017

By Authority of:
Commissioner's Office


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:
SL3A SQAR - Example Location

DISCHARGE CATEGORY(IES):
S3G - Sludge Quality Category 3 (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 Quarterly DMR: due 60 calendar days after the end of each calendar quarter.

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/Quarter	Composite
	January thru December	QL	***		***	***	***			
Nitrate Nitrogen, Dry Weight	Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/Quarter	Composite
	January thru December	QL	***		***	***	***			
Nitrogen, Kjeldahl Total, Dry Wt	Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/Quarter	Composite
	January thru December	QL	***		***	***	***			
Potassium Dry Weight	Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/Quarter	Composite
	January thru December	QL	***		***	***	***			

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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/Quarter	Composite
	January thru December	QL	***		***	***	***			
Calcium Dry Weight	Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/Quarter	Composite
	January thru December	QL	***		***	***	***			
Molybdenum Dry Weight	Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/Quarter	Composite
	January thru December	QL	***		***	***	***			
Phosphorus Dry Weight	Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/Quarter	Composite
	January thru December	QL	***		***	***	***			
Arsenic, Dry Weight	Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/Quarter	Composite
	January thru December	QL	***		***	***	***			
Selenium, Dry Weight	Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/Quarter	Composite
	January thru December	QL	***		***	***	***			
Copper, Dry Weight	Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/Quarter	Composite
	January thru December	QL	***		***	***	***			

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Submit a Quarterly DMR: due 60 calendar days after the end of each calendar quarter.

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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/Quarter	Composite
	January thru December	QL	***		***	***	***			
Cadmium, Dry Weight	Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/Quarter	Composite
	January thru December	QL	***		***	***	***			
Zinc, Dry Weight	Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/Quarter	Composite
	January thru December	QL	***		***	***	***			
Lead, Dry Weight	Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/Quarter	Composite
	January thru December	QL	***		***	***	***			
Nickel, Dry Weight	Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/Quarter	Composite
	January thru December	QL	***		***	***	***			
Mercury, Dry Weight	Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/Quarter	Composite
	January thru December	QL	***		***	***	***			

Residuals DMR Reporting Requirements:

Submit a Quarterly DMR: due 60 calendar days after the end of each calendar quarter.

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/Quarter	Composite
	QL	***	***		***	***	***			

Residuals WCR - Annual Reporting Requirements:

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

Table III - A - 3: 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
Silver, Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December
Antimony, Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December
Thallium, Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December
Acenaphthylene, Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December

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

Table III - A - 3: 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
Acenaphthene, Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December
Anthracene Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December
Benzene, Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December
Benzo(k)fluoranthene Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December
Benzo(a)pyrene, Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December
Bis(2-chloroethyl) ether, Dry Wt	Residuals	REPORT	MG/KG	Composite	January thru December
Bis(2-chloroethoxy)- methane, Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December
Bis(2-chloroiso- propyl)-ether, Dry Wt	Residuals	REPORT	MG/KG	Composite	January thru December
Butyl benzyl- phthalate, Dry Wt	Residuals	REPORT	MG/KG	Composite	January thru December
Chrysene Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December
Diethyl phthalate, Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December
Dimethyl phthalate, Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December
1,2-Diphenyl- hydrazine, Dry Wt	Residuals	REPORT	MG/KG	Composite	January thru December
Fluoranthene Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December
Fluorene, Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December

Residuals WCR - Annual Reporting Requirements:

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

Table III - A - 3: 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
Hexachlorocyclopentadiene, Dry Wt	Residuals	REPORT	MG/KG	Composite	January thru December
Hexachloroethane, Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December
Indeno(1,2,3-cd)-pyrene, Dry Wt	Residuals	REPORT	MG/KG	Composite	January thru December
N-nitrosodi-n-propylamine, Dry Wt	Residuals	REPORT	MG/KG	Composite	January thru December
N-nitrosodi-phenylamine, Dry Wt	Residuals	REPORT	MG/KG	Composite	January thru December
N-nitrosodi-methylamine, Dry Wt	Residuals	REPORT	MG/KG	Composite	January thru December
Naphthalene Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December
Nitrobenzene Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December
Phenanthrene Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December
Pyrene, Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December
Benzo(ghi)perylene, Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December
Benzo(a)anthracene, Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December
1,2-Dichlorobenzene, Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December
1,2,4-Trichlorobenzene, Dry Wt	Residuals	REPORT	MG/KG	Composite	January thru December
Dibenzo(a,h)anthracene, Dry Wt	Residuals	REPORT	MG/KG	Composite	January thru December

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Table III - A - 3: 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
1,3-Dichlorobenzene, Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December
1,4-Dichlorobenzene, Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December
2-Chloronaphthalene, Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December
Di-n-octyl Phthalate Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December
2,4-Dinitrotoluene, Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December
2,6-Dinitrotoluene, Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December
3,3'-Dichlorobenzidine, Dry Wt	Residuals	REPORT	MG/KG	Composite	January thru December
4-Bromophenyl phenyl ether, Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December
Bis(2-ethylhexyl) phthalate, Dry Wt	Residuals	REPORT	MG/KG	Composite	January thru December
Di-n-butyl phthalate Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December
Benzidine Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December
Hexachlorobenzene, Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December
Hexachlorobutadiene, Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December
trans-1,3-Dichloropropene, Dry Wt	Residuals	REPORT	MG/KG	Composite	January thru December
3,4 Benzo-fluoranthene	Residuals	REPORT	MG/KG	Composite	January thru December

Residuals WCR - Annual Reporting Requirements:

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Table III - A - 3: 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
Acrolein, Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December
Acrylonitrile Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December
Bromoform Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December
Carbon Tetrachloride Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December
Chlorobenzene, Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December
Chlorodibromomethane Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December
Chloroethane Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December
Chloroform Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December
Dichlorobromomethane Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December
Ethylbenzene Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December
Methyl Bromide, Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December
Methyl Chloride, Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December
Methylene Chloride, Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December
Tetrachloroethylene, Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December
Toluene, Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December

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PHASE Start Date:

PHASE End Date:

Parameter	Sample Point	Compliance Quantity	Units	Sample Type	Monitoring Period
Trichloroethylene, Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December
Vinyl Chloride Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December
1,1-Dichloroethane, Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December
1,1-Dichloroethylene Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December
1,1,1-Trichloroethane, Dry Wt	Residuals	REPORT	MG/KG	Composite	January thru December
1,1,2-Trichloroethane, Dry Wt	Residuals	REPORT	MG/KG	Composite	January thru December
1,1,2,2-Tetrachloroethane	Residuals	REPORT	MG/KG	Composite	January thru December
1,2-Dichloroethane, Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December
1,2-Dichloropropane, Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December
1,2-trans-Dichloroethylene, Dry Wt	Residuals	REPORT	MG/KG	Composite	January thru December
2-Chloroethyl Vinyl Ether, Dry Wt	Residuals	REPORT	MG/KG	Composite	January thru December
Cyanide, Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December
Isophorone Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December
Phenol, Single Compound, Dry Wt	Residuals	REPORT	MG/KG	Composite	January thru December
BHC Delta Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December

Residuals WCR - Annual Reporting Requirements:

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

Table III - A - 3: 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
Endosulfan Sulfate, Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December
Beta Endosulfan	Residuals	REPORT	MG/KG	Composite	January thru December
Alpha Endosulfan	Residuals	REPORT	MG/KG	Composite	January thru December
Endrin Aldehyde, Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December
4,4'-DDT, Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December
4,4'-DDD, Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December
4,4'-DDE, Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December
Aldrin, Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December
Gamma BHC (lindane), Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December
Chlordane(Tech Mix & Metabolites), Dry Wt	Residuals	REPORT	MG/KG	Composite	January thru December
Dieldrin, Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December
Toxaphene Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December
Heptachlor Epoxide, Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December
PCB-1232, Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December
PCB-1242, Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December

Residuals WCR - Annual Reporting Requirements:

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

Table III - A - 3: 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
PCB-1248, Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December
PCB-1254, Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December
PCB-1260, Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December
PCB-1016, Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December
PCB-1221, Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December
Alpha BHC Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December
Beta BHC, Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December
Heptachlor Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December
Endrin, Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December
p-chloro-m-cresol, Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December
2-Chlorophenol, Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December
2-Nitrophenol, Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December
2,4-Dichlorophenol, Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December
2,4-Dimethylphenol, Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December
2,4 Dinitrophenol, Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December

Residuals WCR - Annual Reporting Requirements:

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

Table III - A - 3: 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
2,4,6 Trichloro-phenol, Dry Wt	Residuals	REPORT	MG/KG	Composite	January thru December
4-Chlorophenyl pheny lether, Dry Wt	Residuals	REPORT	MG/KG	Composite	January thru December
4-Nitrophenol, Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December
Pentachlorophenol, Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December
4,6-Dinitro-o-cresol Dry Weight	Residuals	REPORT	MG/KG	Composite	January thru December

Residuals Transfer Reporting Requirements:

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

MONITORED LOCATION:
SL3P SQAR - Sludge Production

DISCHARGE CATEGORY(IES):
S3G - Sludge Quality Category 3 (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 3 (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 3 (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.NJ0200182
RES120001 Residual Master General Permit New