



State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION

MAIL CODE 401-02B

DIVISION OF WATER QUALITY

BUREAU OF GROUND WATER, RESIDUALS, AND PERMIT ADMINISTRATION

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

TRENTON, NJ 08625-0420

www.state.nj.us/dep/dwq

PHILIP D. MURPHY

Governor

SHAWN M. LATOURETTE

Commissioner

SHEILA Y. OLIVER

Lt. Governor

Date: July 6, 2021

Re: Residual Master General Permit Renewal
Cat: S4G -Sludge Quality Category 4 (GP)
NJPDES Permit No.: NJ0194921, 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 greater than or equal to 5.0 MGD.

On October 22, 2015, the U.S. Environmental Protection Agency (EPA) promulgated the final National Pollutant Discharge Elimination System (NPDES) Electronic Reporting Rule (see Federal Register 80:204 p. 64064). Among other obligations, this rule requires entities regulated under the Clean Water Act NPDES program to report certain information electronically instead of filing paper reports. Consistent with this rule, please be advised that Class I sludge management facilities, POTWs with a design flow rate equal to or greater than one million gallons per day, and POTWs that serve 10,000 people or more shall submit all sewage sludge/biosolids annual program reports electronically starting December 21, 2016. For further information on this requirement please refer to the 40 CFR Parts 127 and 503 or contact EPA directly at R7_Biosolids_Center@EPA.gov. To view the final rule, please visit <https://www.gpo.gov/fdsys/pkg/FR-2015-10-22/pdf/2015-24954.pdf>.

Comments were received on the draft permit issued on May 14, 2021. The public notice was published in the DEP Bulletin on June 2, 2021, in the Asbury Park Press and Courier Post on May 22, 2021, the Burlington County Times and Press of Atlantic City on May 23, 2021 and the Star-Ledger and Times of Trenton on May 24, 2021 and therefore, the thirty (30) day public comment period began on May 24, 2021. It ended on June 23, 2021. All 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.

Any requests for an adjudicatory hearing shall be submitted in writing by certified mail, or by other means which provide verification of the date of delivery to the Department, within 30 days

of receipt of this Residual Master General Permit Renewal in accordance with N.J.A.C. 7:14A-17.2. You may also request a stay of any contested permit condition, which must be justified as per N.J.A.C. 7:14A-17.6 et seq. The adjudicatory hearing request must be accompanied by a completed Adjudicatory Hearing Request Form; the stay request must be accompanied by a completed Stay Request Form. A copy of this form can be downloaded from the Department's website at https://www.nj.gov/dep/dwq/forms_adjudicatory.htm.

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

Questions or comments regarding the final action should be addressed to Susanne Hoffman at (609) 984-4428 and leave a message or via email at Susanne.Hoffman@dep.nj.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Patrick R. Brown", with a stylized flourish at the end.

Patrick R. Brown, Environmental Specialist 3
Bureau of Ground Water, Residuals, and Permit Administration
Water Pollution Management Element

Enclosures

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

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 Renewal

1. Name and Address of the Applicant:

GENERAL PERMIT - CATEGORY S4G
PER INDIVIDUAL NOTICE OF AUTHORIZATION
TRENTON, NJ 08625

2 Name and Address of the Facility/Site:

NJPDES MASTER GENERAL PERMIT - CATEGORY S4G
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) general permit renewal is issued in accordance with N.J.A.C. 7:14A, and applies to those Domestic Treatment Works that have a permitted flow equal to or greater than 5.0 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.

Any person may, in accordance with the procedures set forth in N.J.A.C. 7:14A-6.13(e) & (l), petition the Department to require a permittee authorized by this general permit to apply for and obtain an individual NJPDES permit.

Table 1 lists the names of the forty-two (42) permittees currently authorized 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 equal to or greater than 5.0 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 general permit. RFA requirements are explained in Part II, General Requirements, B.9.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.8.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. The Department believes that these conditions are more appropriately controlled under a general permit than an individual permit 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. There are many sludge generators that currently do not have NJPDES permits because there are no other regulated discharge activities. Currently, these treatment works are required to record keep information required by SQAR. It is the intent of the Department to eventually create general permits for all SQAR categories in order to require all facilities generating sludge to report; therefore, treating all facilities equitably.

4. 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. Implementation of the general permit will allow the Department to track the importation of sludge into the State and 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 equal to or greater than 5.0 MGD are considered a Category 4 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 monthly 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 month.
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.

The Department administers the NJPDES Electronic Data Interchange (EDI) reporting program, 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. N.J.A.C. 7:14C-1.7(b) requires mandatory electronic submittal of monitoring report forms. Mandating electronic reporting has improved reliability of data entry, and has decreased 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.

All domestic treatment works currently covered under this general permit are already required to submit their monitoring report forms electronically. For all new Authorizations, the issuance of a Notice of Authorization under this permit will constitute written notification that a permittee must enroll in the Department's New Jersey Pollutant Discharge Elimination System (NJPDES) Monitoring Report Form (MRF) Electronic Submission Service to submit monitoring report forms electronically. Questions regarding the NJDEP EDI reporting program should be directed to the Permit Administration Section at (609) 984-4428 and leave a message, or by email to dwq_pas@dep.nj.gov. Additional information regarding the NJPDES MRF Service can be found at <http://www.nj.gov/dep/dwq/mrf.htm>.

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.
15. Draft NJPDES Master General Permit No. NJ0194921 issued on May 14, 2021.

7 Summary of Modified Permit Conditions:

The General Permit conditions relating to the acceptance customer residuals sets forth the necessary documentation that needs to be provided should the WWTP determine they desire to accept the residual source. The authority to accept discharges from significant indirect users and residuals generators lies solely with the WWTP in conformance with their local ordinance.

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

Susanne Hoffman, Bureau of Ground Water, Residuals & Permit Administration, (609) 984-4428 and leave a message or via email at Susanne.Hoffman@dep.nj.gov.

Please call or email the appropriate case manager in the Bureau of Ground Water, Residuals, and Permit Administration at (609) 984-4428 and leave a message based on the county in which the DTW is located as follows:

Fayard Ali (Fayard.Ali@dep.nj.gov): Cumberland, Gloucester, Morris and Sussex Counties

Susanne Hoffman (Susanne.Hoffman@dep.nj.gov): Cape May, Essex, Monmouth, Ocean and Somerset Counties

John Murray (John.Murray@dep.nj.gov): Bergen, Burlington, Hudson, Warren, and Union Counties

Alan Workman (Alan.Workman@dep.nj.gov): Atlantic, Camden, Hunterdon, Mercer, Passaic, and Salem Counties

Michael Hubal (Michael.Hubal@dep.nj.gov): Middlesex County

Table 1 - list of the 42 permittees currently authorized under this general permit

Facility Name	NJPDES #	PI #	County	Municipality
ATLANTIC COUNTY UTILITIES AUTH WWTF	NJG0198099	46088	Atlantic	Atlantic City
BERGEN COUNTY UTILITIES AUTHORITY	NJG0198048	46295	Bergen	Edgewater Boro
RIDGEWOOD VILLAGE WPC FACILITY	NJG0198170	46844	Bergen	Glen Rock Boro
BERGEN CNTY UTILITIES AUTHORITY (BCUA)	NJG0198005	46121	Bergen	Little Ferry Boro
NORTHWEST BERGEN CNTY UA	NJG0198188	46713	Bergen	Waldwick Boro
MOUNT HOLLY WPCF	NJG0198412	46648	Burlington	Mount Holly Twp
HARTFORD RD WATER POLLUTION CONTROL FACIL	NJG0198242	46649	Burlington	Mount Laurel Twp
WILLINGBORO WATER POLLUTION CONTROL PLANT	NJG0198081	47089	Burlington	Willingboro Twp
DELAWARE #1 WATER POLLUTION CONTROL FACIL	NJG0198421	46168	Camden	Camden City
CAPE MAY COUNTY MUA	NJG0198374	46175	Cape May	Middle Twp
WILDWOOD/LOWER REGION WTF	NJG0198382	46176	Cape May	Middle Twp
OCEAN CITY REG WTF	NJG0198366	46173	Cape May	Ocean City
CUMBERLAND COUNTY UTILITIES AUTHORITY	NJG0257591	46249	Cumberland	Bridgeton City
MILLVILLE (WTP) CITY OF	NJG0198340	46612	Cumberland	Millville City
PASSAIC VALLEY SEWERAGE COMM	NJG0198064	46756	Essex	Newark City
GLOUCESTER CNTY UTIL AUTH	NJG0198137	46394	Gloucester	West Deptford Twp
ADAMS STREET WTP	NJG0198285	46440	Hudson	Hoboken City
SECAUCUS MUA	NJG0198234	46884	Hudson	Secaucus Town
NORTH HUDSON SEWERAGE AUTHORITY	NJG0198251	47081	Hudson	West New York Town
HAMILTON TWP WPCF	NJG0198293	46419	Mercer	Hamilton Twp
EWING-LAWRENCE SA WTP	NJG0198161	46314	Mercer	Lawrence Twp
STONY BROOK RSA- RIVER ROAD STP	NJG0198358	46948	Mercer	Princeton
TRENTON SEWER UTILITY	NJG0198056	47000	Mercer	Trenton City
LONG BRANCH SEWERAGE AUTHORITY	NJG0198013	46559	Monmouth	Long Branch City
PINE BROOK STP	NJG0198404	47082	Monmouth	Manalapan Twp
MIDDLETOWN SA (TOMSA)	NJG0198269	46607	Monmouth	Middletown Twp
TWO RIVERS WATER RECLAMATION AUTHORITY	NJG0198307	46710	Monmouth	Monmouth Beach Boro
TNSA SEWERAGE TREATMENT PLANT	NJG0198200	46664	Monmouth	Neptune Twp
TOWNSHIP OF OCEAN SEWERAGE AUTHORITY	NJG0198102	46728	Monmouth	Ocean Twp
BAYSHORE REGIONAL SEW AUTH	NJG0198145	46112	Monmouth	Union Beach Boro
SOUTH MONMOUTH REGIONAL STP	NJG0198111	46910	Monmouth	Wall Twp
TWO BRIDGES WASTEWATER TREATMENT PLANT	NJG0198331	46775	Morris	Lincoln Park Boro
PARSIPPANY TROY HILLS	NJG0198226	46753	Morris	Parsippany-Troy Hills
ROCKAWAY VALLEY REG SA	NJG0198072	46854	Morris	Parsippany-Troy Hills
OCEAN CNTY UA	NJG0198439	46727	Ocean	Berkeley Twp
NORTHERN WATER POLLUTION CONTROL FACILITY	NJG0198323	46726	Ocean	Brick Twp
OCEAN COUNTY UTILITIES AUTHORITY - SWPCF	NJG0198277	46725	Ocean	Stafford Twp
MOUNTAIN VIEW STP	NJG0198315	47069	Passaic	Wayne Twp
SOMERSET RARITAN VALLEY SA	NJG0198196	46908	Somerset	Bridgewater Twp
JOINT MEETING OF ESSEX AND UNION COUNTIES	NJG0198153	46512	Union	Elizabeth City
LINDEN ROSELLE SA	NJG0198218	46551	Union	Linden City
RAHWAY VALLEY SEWERAGE AUTH	NJG0198129	46820	Union	Rahway City

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

RESPONSE TO COMMENTS

This constitutes the New Jersey Department of Environmental Protection (Department) Response to Comments raised during the public comment period for draft New Jersey Pollutant Discharge Elimination System (NJPDES) Permit No. NJ0194921 (the Permit) issued to NJDEP – DIVISION OF WATER QUALITY on May 14, 2021. Under this permit renewal, individual Authorizations are issued to those Domestic Treatment Works that have a permitted flow equal to or greater than 5.0 MGD and 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.

The Public Notice was published in the Asbury Park Press on May 22, 2021, Burlington County Times on May 23, 2021, Courier Post on May 22, 2021, The Press of Atlantic City on May 23, 2021, The Star-Ledger on May 24, 2021, The Times of Trenton on May 24, 2021 and in the June 2, 2021 issue of the *DEP Bulletin*. In accordance with N.J.A.C. 7:14A-15.10(c)1.i the public comment period ended on June 23, 2021. Comments were received from William T. Suchodolski, P.E., Director of Engineering and Construction at Ocean County Utilities Authority (OCUA).

The Department modified and/or added the following conditions between the draft Permit and the final Permit pursuant to comments received; for the purpose of clarification; and/or to further provide protection of water quality:

The Department provides the following response to comments:

Comments from William T. Suchodolski:

1. COMMENT: There are at least three places within the referenced document that references the transfer of sludges. It is felt that the reader receives the implication that there is right to transfer residuals, that all residuals accepted will be handled and that the New Jersey Sludge Quality Assurance Regulation (SQAR) will issue an Authorization to do so. The DRAFT permit should be revised to include language that states in effect: The permittee or any proposed receiving Domestic Treatment Works (DWS) that is being asked to receive an outside sludge or residual is the responsible party and has the final authority to accept or reject sludges or residuals from outside agencies (Customers) or DSWs.

RESPONSE: The commenter confirmed in a subsequent email dated June 3, 2021 that the Master General Permit requires SQAR Category 4 domestic treatment works to accept customer residuals and subsequently the Department will issue those customer residual generators a General Permit Authorization. The Department does not believe the Master General Permit (GP) No. NJ0194921 insinuates that wastewater treatment plants (WWTPs) authorized under the GP are required or mandated to receive any and all residuals from generators located in New Jersey

and out-of-state. The GP conditions relating to acceptance of customer residuals sets forth the necessary documentation that needs to be provided should the WWTP determine they desire to accept the residual source. The authority to accept discharges from significant indirect users and residuals generators lies solely with the WWTP in conformance with their local ordinance. Specifically, section 6.01 of The OCUA Sewer Use Rules and Regulations states the following:

“Section 6.01 Prohibitions on Wastewater Discharges

No person shall discharge, deposit, cause or allow to be discharged or deposited into the treatment works any wastewater which causes pass through or interference, contributes to a violation of any of the parameters in the Authority's NJPDES permit, does not meet applicable pretreatment requirements, or which contains any of the following:

1. Stormwater, surface water, groundwater, roof runoff, swimming pool water, subsurface drainage, or foundation or basement sump drainage.
2. Oils, tar, grease, combustible gases and liquids, insoluble solids of any kind, or other substances which would impair, impede, affect, interfere with or endanger the treatment works or any part thereof.
3. Gasoline, naptha, paints, lacquers, fuel oil, or other flammable or explosive liquid, solid, or gas which by reason of its nature or quality may cause fire or explosion or which, in any way, may be injurious to personnel or the treatment works.
4. Substances of such a nature as to form noxious or malodorous gases or substances which either singularly or through interaction with other wastes or substances found in the wastewater treatment processes create a public nuisance as defined in Section 2.1B of the Public Health Nuisance Code of the State of New Jersey, hazard to life, or prevent entry into any portion of the treatment works for operational duties, maintenance or repair.
5. Solids or viscous substances in quantities or of such size capable of causing obstruction of the flow in the treatment works, or other interference with the proper operation of the same; such as, but not limited to, ashes, cinders, sand, mud, straw, shavings, metal, glass, rags, feathers, tar, plastics, wood, hair, fleshings, offal, entrails or paper products.
6. Garbage not properly shredded.
7. Septic tank, treatment works plant sludge or cesspool wastes. These wastes will, however, be accepted directly at the Authority's treatment works plant at charges and during times prescribed by the Authority. The Authority reserves the right, however, to discontinue the acceptance of such wastes without notice should such wastes result in any operational problems.
8. Any other prohibited pollutant including oxygen demanding pollutants (CBOD, COD, etc.) released in a discharge of such volume or strength that will cause interference with the treatment works, create a hazardous environment, or endanger personnel.

9. Heat in amounts which will inhibit biological activity at the Authority's treatment works plant resulting in interference, but in no case heat in such quantities that the temperature at the treatment plant exceeds 40o centigrade (104o Fahrenheit) unless alternate temperature limits have been approved by the Authority.

10. Any wastewater containing fats, wax, grease, or oils, whether emulsified or not, in excess of 100 mg/l or containing substances which may solidify or become viscous at a temperature between 32o F and 150o F (0o C and 65o C).

11. Any wastewater containing phenolic compounds over 1.0 mg/l, expressed as phenol.

12. Any wastewater having a pH less than 5.5 or greater than 9.5 or found to be corrosive.

13. Any wastewater containing radioactive substances in excess of those permitted by N.J.A.C 7:28-6.5.

14. Pollutants which create a fire or explosion hazard in the treatment works including, but not limited to, waste streams with a closed cup flash point of less than 140 o F or 60 o C using the test methods specified in 40 CFR 261.21.

15. Any wastewater with a carbonaceous biochemical oxygen demand (CBOD) in excess of the established OCUA limit. (See Table 2, pg. 26)

16. Wastewater having a noticeable color which is not removable in the treatment works plant.

17. Any wastewater with a suspended solids content in excess of the established OCUA limit. (See Table 2, pg. 26)

18. Any wastewater containing corrosive, toxic or poisonous substances in sufficient quantity and/or concentration to cause injury, damage or hazard to personnel, structures or equipment, or interfere with the treatment works, or any portion of the liquid or solids treatment or handling processes, or that will pass through the treatment works plant in such condition that it will not achieve State, Federal or other existing requirements for the effluent or for the receiving waters. The following chemicals are specifically mentioned: arsenic and arsenicals; cyanides; copper and copper salts; chromium; mercury and mercurials; nickel and nickel compounds; silver and silver compounds; zinc and zinc compounds; toxic dyes (organic or mineral); sulfanamides; cresols, alcohols, aldehydes; chlorinated hydrocarbons; chlorine in excess of 100 mg/l; iodine; fluorine; bromine; all strong oxidizing agents such as peroxides, chromates, dichromates, permanganates; compounds producing hydrogen sulfide or any other toxic, inflammable or explosive gases, either upon acidification, alkalization, reduction or oxidation; strong reducing agents such as nitrates, sulfites, sulfides; strong acids or strong alkalis.

19. Any pollutant at a flow rate or concentration which will cause interference with the treatment plant.

20. Any wastewater containing substances which are not amenable to treatment or reduction by the treatment works plant processes employed, or are amenable to treatment only to such a degree that the treated effluent cannot meet the requirements of other agencies having jurisdiction over the POTW's discharge to the receiving waters.

21. Any wastewater containing substances interfering with sludge management; any substance which may cause the POTW's sludge to be unsuitable for reclamation and reuse or to interfere with the reclamation process where the POTW is pursuing a reuse and reclamation program. In no case shall a wastewater discharged to the POTW cause the POTW to be in noncompliance with sludge use or disposal criteria, guidelines or regulations developed under Section 405 of the Federal Act; any criteria, guidelines, or regulations affecting sludge use or disposal developed pursuant to the Solid Waste Disposal Act, the Federal Clean Air Act, the Toxic Substances Control Act, or the "New Jersey Guidelines for the Utilization and Disposal of Municipal and Industrial Sludges and Septage."

22. Any trucked or hauled pollutants, except at discharge points designated by the Authority. Users shall have an affirmative defense in any action brought against it alleging a violation of the prohibitions listed in this section where the user can demonstrate that:

A. It did not know or have reason to know that its discharge, alone or in conjunction with discharges from other sources, would cause pass through or interference; or

B. If a local limit designed to prevent pass through or interference has not been properly developed for each pollutant that caused pass through or interference, the user's discharge directly prior to and during the pass through or interference did not change substantially in nature or constituents from the user's prior discharge activity where the Authority was regularly in compliance with its NJPDES permit requirements, and in the case of interference, applicable requirements for sewage sludge use or disposal.

Furthermore, N.J.S.A. 40:14B-60(a) and (b) states the following:

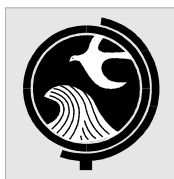
40:14B-60. Discharge of sewage; discharges into sewage, solid waste or water systems; violations; injunction

(a) No county, municipality or person shall discharge or suffer to be discharged directly or indirectly into any waters in or bordering a district any sewage which may or will cause or contribute to the pollution of such waters; provided, that this prohibition shall be applicable only to such part or parts of such waters as are in an area of the district bounded and described in a notice, inserted at least once in a newspaper published or circulating in the district, to the effect that the municipal authority has provided facilities reasonably sufficient in its opinion for the treatment and disposal of sewage which by discharge into such waters might cause or contribute to pollution of such waters, and that pollution of such waters is forbidden by law. Such a notice shall constitute prima facie evidence of the existence of facilities sufficient for the treatment and disposal of all such sewage.

(b) No county, municipality or person shall discharge or suffer to be discharged directly or indirectly into the sewage system or the solid waste system of any municipal authority any matter or thing which is or may be injurious or deleterious to such sewerage system or solid waste system or to its efficient operation.

No changes have been made to Parts I, II, III, and IV of the final permit. However, the following language was added to Part 7 of the Fact Sheet:

The General Permit conditions relating to the acceptance customer residuals sets forth the necessary documentation that needs to be provided should the wastewater treatment plant (WWTP) determine they desire to accept the residual source. The authority to accept discharges from significant indirect users and residuals generators lies solely with the WWTP in conformance with their local ordinance.



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: NJ0194921

FINAL: Residual Master General Permit Renewal

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
S4G -Sludge Quality Category 4 (GP)	07/06/2021	01/01/2022	12/31/2026

By Authority of:
Commissioner's Office

DEP AUTHORIZATION

Michele Christopher, Bureau Chief

Bureau of Ground Water, Residuals, and Permit Administration
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 et seq.
 - Incorporation by Reference N.J.A.C. 7:14A-2.3
 - Toxic Pollutants N.J.A.C. 7:14A-6.2(a)4i
 - Duty to Comply N.J.A.C. 7:14A-6.2(a)1 & 4
 - Duty to Mitigate N.J.A.C. 7:14A-6.2(a)5 & 11
 - Inspection and Entry N.J.A.C. 7:14A-2.11(e)
 - Enforcement Action N.J.A.C. 7:14A-2.9
 - Duty to Reapply N.J.A.C. 7:14A-4.2(e)3
 - Signatory Requirements for Applications and Reports N.J.A.C. 7:14A-4.9
 - Effect of Permit/Other Laws N.J.A.C. 7:14A-6.2(a)6 & 7 & 2.9(c)
 - Severability N.J.A.C. 7:14A-2.2
 - Administrative Continuation of Permits N.J.A.C. 7:14A-2.8
 - Permit Actions N.J.A.C. 7:14A-2.7(c)
 - Reopener Clause N.J.A.C. 7:14A-6.2(a)10
 - Permit Duration and Renewal N.J.A.C. 7:14A-2.7(a) & (b)
 - Consolidation of Permit Process N.J.A.C. 7:14A-15.5
 - Confidentiality N.J.A.C. 7:14A-18.2 & 2.11(g)
 - Fee Schedule N.J.A.C. 7:14A-3.1
 - Treatment Works Approval N.J.A.C. 7:14A-22 & 23
- c. Operation And Maintenance
 - Need to Halt or Reduce not a Defense N.J.A.C. 7:14A-2.9(b)
 - Proper Operation and Maintenance N.J.A.C. 7:14A-6.12
- d. Monitoring And Records
 - Monitoring N.J.A.C. 7:14A-6.5
 - Recordkeeping N.J.A.C. 7:14A-6.6
 - Signatory Requirements for Monitoring Reports N.J.A.C. 7:14A-6.9
- e. Reporting Requirements
 - Planned Changes N.J.A.C. 7:14A-6.7
 - Reporting of Monitoring Results N.J.A.C. 7:14A-6.8
 - Noncompliance Reporting
 - Hotline/Two Hour & Twenty-four Hour Reporting N.J.A.C. 7:14A-6.10 & 6.8(h)
 - Written Reporting N.J.A.C. 7:14A-6.10(e) & (f) & 6.8(h)
 - Duty to Provide Information N.J.A.C. 7:14A-2.11, 6.2(a)14 & 18.1
 - Schedules of Compliance N.J.A.C. 7:14A-6.4
 - Transfer N.J.A.C. 7:14A-6.2(a)8 & 16.2

PART II

GENERAL REQUIREMENTS: DISCHARGE CATEGORIES

A. Additional Requirements Incorporated By Reference

1. 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. Standard Reporting Requirements – Monitoring Report Forms (MRFs)

- a. All MRFs shall be electronically submitted to the Department's MRF Submission Service.
- b. MRF data submission shall be in accordance with the guidelines and provisions outlined in the Department's Electronic Data Interchange (EDI) agreement with the permittee.
- c. MRFs shall be submitted at the frequencies identified in Part III of this permit.
- d. All MRFs shall be certified by the highest ranking official having day-to-day managerial and operational responsibilities for the discharging facility.
- e. The highest ranking official may delegate responsibility to certify the MRFs in his or her absence. Authorizations for other individuals to certify shall be made in accordance with N.J.A.C. 7:14A-4.9(b).

- f. Monitoring results shall be submitted in accordance with the current NJPDES MRF Reference Manual and any updates thereof.
- g. If monitoring for a parameter is not required in a monitoring period, the permittee must report "CODE=N" for that parameter.
- h. If, for a monitored location, there are no discharge events during an entire monitoring period, the permittee must notify the Department when submitting the monitoring results by checking the "No Discharge this monitoring period" box on the paper or electronic version of the monitoring report submittal form.

2. 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.

3. Notification of Non-Compliance

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

4. 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.

5. 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 residual to another person who further prepares the residual 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.

6. 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.

7. 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.

8. 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.

9. 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.8 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

10. 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:
SL4A SQAR- Example Location

DISCHARGE CATEGORY(IES):
S4G - Sludge Quality Category 4 (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 Monthly DMR: due 60 calendar days after the end of each calendar month.

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

Residuals DMR Reporting Requirements:

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

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

Residuals DMR Reporting Requirements:

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

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

Residuals DMR Reporting Requirements:

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

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	Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/Month	Composite
January thru December	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

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
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

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
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'-Dichloro- benzidine, 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-Dichloro- propene, 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:

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
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

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
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-Trichloro- ethane, Dry Wt	Residuals	REPORT	MG/KG	Composite	January thru December
1,1,2-Trichloro- ethane, Dry Wt	Residuals	REPORT	MG/KG	Composite	January thru December
1,1,2,2-Tetrachloro- ethane	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-Dichloro ethylene, 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 phenyl ether, 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:

SL4P SQAR - Production

DISCHARGE CATEGORY(IES):

S4G - Sludge Quality Category 4 (GP)

Location Description

This monitored location is identical to SL4A and is needed to report residuals production information.

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 4 (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 BGWRPA prior to removal to determine if the residual should be reported on the existing MRFs 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 4 (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. 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 Ground Water, Residuals & Permit Administration, 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 Ground Water, Residuals & Permit Administration at (609) 984-4428 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 Ground Water, Residuals & Permit Administration, 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. Acceptance of Customer Residuals by Treatment Works located in New Jersey

- a. Prior to accepting a residual source that has not been issued an Authorization under one of the New Jersey Sludge Quality Assurance Regulation (SQAR) General Permits, the permittee shall submit a completed Domestic or Industrial Generator Form R (whichever is applicable), signed by a duly authorized representative of the residual generator.
- b. The permittee has one hundred eighty (180) days from the effective date of this permit to submit a completed Form R from a residual source that is currently being accepted and has not been issued an Authorization under one of the New Jersey Sludge Quality Assurance Regulation (SQAR) General Permits.
- c. The permittee is prohibited from receiving residual sources that do not have a completed Form R on file with the Department pursuant to (a) and (b) above.
- d. Additional source screening analyses or a formal waste classification under N.J.A.C. 7:26G may be required, if deemed necessary, in the judgement of the NJDEP through evaluation of past SQAR reports or other relevant information concerning residual quality and industrial discharges.
- e. If the nature of residual reported on a Form R should change at any time due to an increase or change in process wastewater contributions, a change in treatment process, or a change in its process, handling, manufacturing, packaging, storage, or disposal practice, a new Form R shall be submitted within 90 days of the change.

3. Closure Requirements for Treatment Works located in New Jersey

- 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.NJ0194921
RES210003 Residual Master General Permit Renewal