State of New Jersey
Department of Environmental Protection
Air, Energy and Materials Sustainability
Division of Air Quality and Radiation Protection
Bureau of Stationary Sources
401 E. State Street, 2nd Floor, P.O. Box 420, Mail Code 401-02
Trenton, NJ 08625-0420

PHILIP D. MURPHY
Governor

TAHESHA L. WAY
Lt. Governor

SHAWN M. LATOURETTE
COMMISSIONER

Air Pollution Control Operating Permit
Significant Modification

Permit Activity Number: BOP230003 **Program Interest Number: 07349**

Mailing Address	Plant Location
THOMAS LAUSTSEN CHIEF OPERATING OFFICER PASSAIC VALLEY SEWERAGE COMM 600 WILSON AVE Newark City, NJ 07105	PASSAIC VALLEY SEWERAGE COMMISSIONERS 600 Wilson Ave Newark Essex County

Initial Operating Permit Approval Date: **October 7, 2005**

Operating Permit Approval Date: **PROPOSED PERMIT**

Operating Permit Expiration Date: **October 6, 2020 (operating under application shield)**

AUTHORITY AND APPLICABILITY

The New Jersey Department of Environmental Protection (Department) approves and issues this Air Pollution Control Operating Permit under the authority of Chapter 106, P.L. 1967 (N.J.S.A. 26:2C-9.2). This permit is issued in accordance with the air pollution control permit provisions promulgated at Title V of the Federal Clean Air Act, 40 CFR 70, Air Pollution Control Act codified at N.J.S.A. 26:2C and New Jersey State regulations promulgated at N.J.A.C. 7:27-22.

The Department approves this operating permit based on the evaluation of the certified information provided in the permit application that all equipment and air pollution control devices regulated in this permit comply with all applicable State and Federal regulations. The facility shall be operated in accordance with the conditions of this permit. This operating permit supersedes any previous Air Pollution Control Operating Permits issued to this facility by the Department including any general operating permits, renewals, significant modifications, minor modifications, seven-day notice changes or administrative amendments to the permit.

Changes made through this permit activity are provided in the Reason for Application.

PERMIT SHIELD

This operating permit includes a permit shield, pursuant to the provisions of N.J.A.C. 7:27-22.17.

COMPLIANCE SCHEDULES

This operating permit does not include compliance schedules as part of the approved compliance plan.

COMPLIANCE CERTIFICATIONS AND DEVIATION REPORTS

The permittee shall submit to the Department and to United States Environmental Protection Agency (US EPA) periodic compliance certifications, in accordance with N.J.A.C. 7:27-22.19. **The annual compliance certification** is due to the Department and EPA within 60 days after the end of each calendar year during which this permit was in effect. **Semi-annual deviation reports** relating to compliance testing and monitoring are due to the Department within 30 days after the end of the semi-annual period. The schedule and additional details for these submittals are available in Subject Item - FC, of the Facility Specific Requirements of this permit.

ACCESSING PERMITS

The facility's current approved operating permit and any previously issued permits (e.g. superseded, expired, or terminated) are available for download in PDF format at: https://dep.nj.gov/boss. After accessing the website, click on "Approved Operating Permits" listed under "Reports" and then type in the Program Interest (PI) Number as instructed on the screen. If needed, the RADIUS file for your permit, containing Facility Specific Requirements (Compliance Plan), Inventories and Compliance Schedules can be obtained by contacting the Helpline number given below. RADIUS software, instructions, and help are available at the Department's website at https://dep.nj.gov/boss.

HELPLINE

The Operating Permit Helpline is available for any questions at (609) 633-8248 from 9:00 AM to 4:00 PM Monday to Friday.

RENEWING YOUR OPERATING PERMIT AND APPLICATION SHIELD

The permittee is responsible for submitting a timely and administratively complete operating permit renewal application pursuant to N.J.A.C. 7:27-22.30. Only applications which are timely and administratively complete are eligible for an application shield. The details on the contents of the renewal application, submittal schedule, and application shield are available in Section B - General Provisions and Authorities of this permit.

COMPLIANCE ASSURANCE MONITORING

Facilities that are subject to Compliance Assurance Monitoring (CAM), pursuant to 40 CFR 64, shall develop a CAM Plan for modified equipment as well as existing sources. The rule and guidance on how to prepare a CAM Plan can be found at EPA's website: https://www.epa.gov/air-emissions-monitoring-knowledge-base/compliance-assurance-monitoring. In addition, CAM Plans must be included as part of the permit renewal application. Facilities that do not submit a CAM Plan may have their permit applications denied, pursuant to N.J.A.C. 7:27-22.3.

ADMINISTRATIVE HEARING REQUEST

If, in your judgment, the Department is imposing any unreasonable condition of approval, you may contest the Department's decision and request an adjudicatory hearing pursuant to N.J.S.A. 52:14B-1 et seq. and N.J.A.C. 7:27-22.32(a). All requests for an adjudicatory hearing must be received in writing by the Department within 20 calendar days of the date you receive this letter. The request must contain the information specified in N.J.A.C. 7:27-1.32 and the information on the NJ04 - Administrative Hearing Request Checklist and Tracking Form available at https://dep.nj.gov/wp-content/uploads/boss/applications-and-forms/administrative-hearing-request-checklist-and-tracking-form.pdf .

If you have any questions regarding this permit approval, please email Hanin Nashif at hanin.nashif@dep.nj.gov.

Approved by:

Joel Leon

Enclosure

CC: Suilin Chan, United States Environmental Protection Agency, Region 2

Facility Name: PASSAIC VALLEY SEWERAGE COMMISSIONERS
Program Interest Number: 07349
Permit Activity Number: BOP230003

TABLE OF CONTENTS

Section A

Facility Name: PASSAIC VALLEY SEWERAGE COMMISSIONERS
Program Interest Number: 07349
Permit Activity Number: BOP230003

POLLUTANT EMISSIONS SUMMARY

Table 1: Total emissions from all Significant Source Operations[1] at the facility.

Facility's Potential Emissions from all Significant Source Operations (tons per year)										
Source Categories	VOC (total)	NO_x	CO	SO_2	TSP (total)	PM_{10} (total)	$PM_{2.5}$ (total)	Pb	HAPs* (total)	CO_2e[2]
Emission Units Summary	76.8	64.4	103	24.9	14.0	15.0	NA	NA	15.7	
Batch Process Summary	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Group Summary	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Total Emissions	76.8	64.4	103	24.9	14.0	15.0	NA	NA	15.7	287,000

Table 2: Estimate of total emissions from all Insignificant Source Operations[1] and total emissions from Non-Source Fugitives at the facility.

Emissions from all Insignificant Source Operations and Non-Source Fugitive Emissions (tons per year)									
Source Categories	VOC (total)	NO_x	CO	SO_2	TSP (total)	PM_{10} (total)	$PM_{2.5}$[2] (total)	Pb	HAPs (total)
Insignificant Source Operations	3.55	9.20	0.50	NA	0.10	0.10	NA	NA	NA
Non-Source Fugitive Emissions	NA	NA	NA	NA	NA	NA	NA	NA	NA

VOC: Volatile Organic Compounds
NOx: Nitrogen Oxides
CO: Carbon Monoxide
SO_2: Sulfur Dioxide
TSP: Total Suspended Particulates
Other: Any other air contaminant regulated under the Federal CAA
PM_{10}: Particulates under 10 microns
$PM_{2.5}$: Particulates under 2.5 microns
Pb: Lead
HAPs: Hazardous Air Pollutants
CO_2e: Carbon Dioxide equivalent
N/A: Indicates the pollutant is not emitted or is emitted below the reporting threshold specified in N.J.A.C. 7:27-22, Appendix, Table A and N.J.A.C. 7:27-17.9(a).

*Emissions of individual HAPs are provided in Table 3 on the next page.
Emissions of "Other" air contaminants are provided in Table 4 on the next page.

[1] Significant Source Operations and Insignificant Source Operations are defined at N.J.A.C. 7:27-22.1.
[2] Total CO_2e emissions for the facility.

Section A

Facility Name: PASSAIC VALLEY SEWERAGE COMMISSIONERS
Program Interest Number: 07349
Permit Activity Number: BOP230003

POLLUTANT EMISSIONS SUMMARY

Table 3: Summary of Hazardous Air Pollutants (HAP) Emissions from Significant Source Operations [3]:

HAP	TPY
Acetaldehyde	0.3
Acrylonitrile	0.04
Benzene	0.39
1,3 Butadiene	0.412
Chloroform	4.42
1,4-Dichlorobenzene	2.52
Ethylene dichloride	1.84
Formaldehyde	0.25
Hydrogen chloride	1.06
Phenol	.051
Styrene	1.37
1,1,2,2-Tetrachloroethane	0.076
Vinyl Acetate	0.1
Xylene	2.84

Table 4: Summary of "Other" air contaminants emissions from Significant Source Operations:

Other Air Contaminant	TPY
NA	NA

[3] Do not sum the values below for the purpose of establishing a total HAP potential to emit. See previous page for the allowable total HAP emissions.

Section B

Facility Name: PASSAIC VALLEY SEWERAGE COMMISSIONERS
Program Interest Number: 07349
Permit Activity Number: BOP230003

GENERAL PROVISIONS AND AUTHORITIES

1. No permittee shall allow any air contaminant, including an air contaminant detectable by the sense of smell, to be present in the outdoor atmosphere in a quantity and duration which is, or tends to be, injurious to human health or welfare, animal or plant life or property, or which would unreasonably interfere with the enjoyment of life or property. This shall not include an air contaminant that occurs only in areas over which the permittee has exclusive use or occupancy. Requirements relative only to nuisance situations, including odors, are not considered federally enforceable. [N.J.A.C. 7:27-22.16(g)8]

2. Any deviation from operating permit requirements which results in a release of air contaminants shall be reported to the Department as follows:

   a. If the air contaminants are released in a quantity or concentration which poses a potential threat to public health, welfare or the environment or which might reasonably result in citizen complaints, the permittee shall report the release to the Department:

      i. Immediately on the Department hotline at 1-(877) 927-6337, pursuant to N.J.S.A. 26:2C-19(e); and

      ii. As part of the compliance certification required in N.J.A.C. 7:27-22.19(f). However, if the deviation is identified through source emissions testing, it shall be reported through the source emissions testing and monitoring procedures at N.J.A.C. 7:27-22.18(e)3; or

   b. If the air contaminants are released in a quantity or concentration which poses no potential threat to public health, welfare or the environment and which will not likely result in citizen complaints, the permittee shall report the release to the Department as part of the compliance certification required in N.J.A.C. 7:27-22.19(f), except for deviations identified by source emissions testing reports, which shall be reported through the procedures at N.J.A.C. 7:27-22.18(e)3; or

   c. If the air contaminants are released in a quantity or concentration which poses no potential threat to public health, welfare or the environment and which will not likely result in citizen complaints, and the permittee intends to assert the affirmative defense afforded by N.J.A.C. 7:27-22.16(l), the violation shall be reported by 5:00 PM of the second full calendar day following the occurrence, or of becoming aware of the occurrence, consistent with N.J.A.C. 7:27-22.16(l). [N.J.A.C. 7:27-22.19(g)]

3. The permittee shall comply with all conditions of the operating permit including the approved compliance plan. Any non-compliance with a permit condition constitutes a violation of the New Jersey Air Pollution Control Act N.J.S.A. 26:2C-1 et seq., or the CAA, 42 U.S.C. §7401 et seq., or both, and is grounds for enforcement action; for termination, revocation and reissuance, or for modification of the operating permit; or for denial of an application for a renewal of the operating permit. [N.J.A.C. 7:27-22.16(g)1]

4. It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of its operating permit. [N.J.A.C. 7:27-22.16(g)2]

5. This operating permit may be modified, terminated, or revoked for cause by the EPA pursuant to 40 CFR 70.7(g) and revoked or reopened and modified for cause by the Department pursuant to N.J.A.C. 7:27-22.25. [N.J.A.C. 7:27-22.16(g)3]

6. The permittee shall furnish to the Department, within a reasonable time, any information that the Department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this operating permit; or to determine compliance with the operating permit. [N.J.A.C. 7:27-22.16(g)4]

7. The filing of an application for a modification of an operating permit, or of a notice of planned changes or anticipated non-compliance, does not stay any operating permit condition. [N.J.A.C. 7:27-22.16(g)5]

8. The operating permit does not convey any property rights of any sort, or any exclusive privilege. [N.J.A.C. 7:27-22.16(g)6]

9. Upon request, the permittee shall furnish to the Department copies of records required by the operating permit to be kept. [N.J.A.C. 7:27-22.16(g)7]

10. a. For emergencies (as defined at 40 CFR 70.6(g)(1)) that result in non-compliance with any promulgated federal technology-based standard such as NSPS, NESHAPS, or MACT, a federal affirmative defense is available, pursuant to 40 CFR 70. To assert a federal affirmative defense, the permittee must use the procedures set forth in 40 CFR 70. The affirmative defense provisions described below may not be applied to any situation that caused the Facility to exceed any federally delegated regulation, including but not limited to NSPS, NESHAP, or MACT.

    b. For situations other than those covered above, an affirmative defense is available for a violation of a provision or condition of the operating permit only if:

        i. The violation occurred as a result of an equipment malfunction, an equipment startup or shutdown, or during the performance of necessary equipment maintenance; and

        ii. The affirmative defense is asserted and established as required by N.J.S.A. 26:2C-19.1 through 19.5 and any implementing rules. [N.J.A.C. 7:27-22.16(l)]

11. In the event of a challenge to any part of this operating permit, all other parts of the permit shall continue to be valid. [N.J.A.C. 7:27-22.16(f)]

12. Each owner and each operator of any facility, source operation, or activity to which this permit applies is responsible for ensuring compliance with all requirements of N.J.A.C. 7:27-22. If the owner and operator are separate persons, or if there is more than one owner or operator, each owner and each operator is jointly and severally liable for any fees due under N.J.A.C. 7:27-22, and for any penalties for violation of N.J.A.C. 7:27-22. [N.J.A.C. 7:27-22.3]

13. The permittee shall ensure that no air contaminant is emitted from any significant source operation at a rate, calculated as the potential to emit, that exceeds the applicable threshold for reporting emissions set forth in the Appendix to N.J.A.C. 7:27-22 or 7:27-17.9(a), unless emission of the air contaminant is authorized by this operating permit. [N.J.A.C. 7:27-22.3(c)]

14. Consistent with the provisions of N.J.A.C. 7:27-22.3(e), the permittee shall ensure that all requirements of this operating permit are met. In the event that there are multiple emission limitations, monitoring, recordkeeping, and/or reporting requirements for a given source operation, the facility must comply with all requirements, including the most stringent.

15. Consistent with the provisions of N.J.A.C. 7:27-22.3(s), Except as otherwise provided in this subchapter, the submittal of any information or application by a permittee including, but not limited to, an application or notice for any change to the operating permit, including any administrative amendment, any minor or significant modification, renewal, a notice of a seven-day notice change, a notice of past or anticipated noncompliance, does not stay any operating permit condition, nor relieve a permittee from the obligation to obtain other necessary permits and to comply with all applicable Federal, State, and local requirements.

16. Applicable requirements derived from an existing or terminated consent decree with EPA will not be changed without advance consultation by the Department with EPA. N.J.A.C. 7:27-22.3(uu).

17. Unless specifically exempted from permitting, temporary mobile equipment for short-term activities may be periodically used at major facilities, on site for up to 90 days if the requirements listed below, (a) through (h) are satisfied.

    a. The permittee will ensure that the temporary mobile equipment will not be installed permanently or used permanently on site.

    b. The permittee will ensure that the temporary mobile equipment will not circumvent any State or Federal rules and regulations, even for a short period of time, and the subject equipment will comply with all applicable performance standards.

    c. The permittee cannot use temporary mobile equipment unless the owner or operator of the subject equipment has obtained and maintains an approved Air Pollution Control Permit, issued pursuant to N.J.A.C. 7:27-8 or 22, prior to bringing the temporary mobile equipment to operate at the major facility.

    d. The permittee is responsible for ensuring the temporary mobile equipment's compliance with the terms and conditions specified in its approved Air Pollution Control Permit when the temporary mobile equipment operates on the property of the permittee.

    e. The permittee will ensure that temporary mobile equipment utilized for short-term activities will not operate on site for more than a total of 90 days during any calendar year.

    f. The permittee will keep on site a list of temporary mobile equipment being used at the facility with the start date, end date, and record of the emissions from all such equipment (amount and type of each air contaminant) no later than 30 days after the temporary mobile equipment completed its job in accordance with N.J.A.C. 7:27-22.19(i)3.

    g. Emissions from the temporary mobile equipment must be included in the emission netting analysis required of the permittee by N.J.A.C. 7:27-18.7. This information is maintained on site by the permittee and provided to the Department upon request in accordance with existing applicable requirements in the FC Section of its Title V permit.

    h. Where short-term activities (employing temporary mobile equipment) will reoccur on at least an annual basis, the permittee is required to include such activities (and the associated equipment) within one year of the first use, in its Title V permit through the appropriate modification procedures.

18. Consistent with the provisions of N.J.A.C. 7:27-22.9(c), the permittee shall use monitoring of operating parameters, where required by the compliance plan, as a surrogate for direct emissions testing or monitoring, to demonstrate compliance with applicable requirements.

19. The permittee is responsible for submitting timely and administratively complete operating permit applications:

    Administrative Amendments [N.J.A.C. 7:27-22.20(c)];
    Seven-Day Notice changes [N.J.A.C. 7:27-22.22(e)];
    Minor Modifications [N.J.A.C. 7:27-22.23(e)];
    Significant Modifications [N.J.A.C. 7:27-22.24(e)]; and
    Renewals [N.J.A.C. 7:27-22.30(b).

20. The operating permit renewal application consists of a RADIUS application and the application attachment available at the Department's website https://dep.nj.gov/boss/applications-and-forms/ (Attachment to the RADIUS Operating Permit Renewal Application). Both the RADIUS application and the Application Attachment, along with any other supporting documents must be submitted using the Department's Portal

at: https://njdeponline.com/. The application is considered timely if it is received at least 12 months before the expiration date of the operating permit. To be deemed administratively complete, the renewal application shall include all information required by the application form for the renewal and the information required pursuant to N.J.A.C. 7:27-22.30(d). However, consistent with N.J.A.C. 7:27-22.30(c), the permittee is encouraged to submit the renewal application at least 15 months prior to expiration of the operating permit, so that any deficiencies can be identified and addressed to ensure that the application is administratively complete by the renewal deadline. Only renewal applications which are timely and administratively complete are eligible for an application shield.

21. For all source emissions testing performed at the facility, the phrase "worst case conditions without creating an unsafe condition" used in the enclosed compliance plan is consistent with EPA's National Stack Testing Guidance, dated April 27, 2009, where all source emission testing performed at the facility shall be under the representative (normal) conditions that:

    i. Represent the range of combined process and control measure conditions under which the facility expects to operate (regardless of the frequency of the conditions); and

    ii. Are likely to most challenge the emissions control measures of the facility with regard to meeting the applicable emission standards, but without creating an unsafe condition.

22. Consistent with EPA's National Stack Testing Guidance and Technical Manual 1004, a facility may not stop an ongoing stack test because it would have failed the test unless the facility also ceases operation of the equipment in question to correct the issue. Stopping an ongoing stack test in these instances will be considered credible evidence of emissions non-compliance.

23. Each permittee shall maintain records of all source emissions testing or monitoring performed at the facility and required by the operating permit in accordance with N.J.A.C. 7:27-22.19. Records shall be maintained, for at least five years from the date of each sample, measurement, or report. Each permittee shall maintain all other records required by this operating permit for a period of five years from the date each record is made. At a minimum, source emission testing or monitoring records shall contain the information specified at N.J.A.C. 7:27-22.19(b). [N.J.A.C. 7:27-22.19(a) and N.J.A.C. 7:27-22.19(b)]

24. A Permittee may seek the approval of the Department for a delay in testing required pursuant to this permit by submitting a written request to the appropriate Regional Enforcement Office in accordance with N.J.A.C. 7:27-22.18(k). A Permittee may also seek advanced approval for a longer period for submittal of a source emissions test report required by the permit by submitting a request to the Department's Regional Enforcement Office in accordance with N.J.A.C. 7:27-22.19. [N.J.A.C. 7:27-22.18(k) and N.J.A.C. 7:27-22.19]

Section C

Facility Name: PASSAIC VALLEY SEWERAGE COMMISSIONERS
Program Interest Number: 07349
Permit Activity Number: BOP230003

STATE-ONLY APPLICABLE REQUIREMENTS

N.J.A.C. 7:27-22.16(b)5 requires the Department to specifically designate as not being federally enforceable any permit conditions based only on applicable State requirements. The applicable State requirements to which this provision applies are listed in the table titled "State-Only Applicable Requirements."

STATE-ONLY APPLICABLE REQUIREMENTS

The following applicable requirements are not federally enforceable:

SECTION	SUBJECT ITEM	ITEM #	REF. #
B	---	1	---
B	---	10b	---
D	FC	---	3
D	FC	---	9

Section D

Facility Name: PASSAIC VALLEY SEWERAGE COMMISSIONERS
Program Interest Number: 07349
Permit Activity Number: BOP230003

FACILITY SPECIFIC REQUIREMENTS AND INVENTORIES

FACILITY SPECIFIC REQUIREMENTS PAGE INDEX

U17	Lime Bin 1,2	Lime Bin #1 and #2, each with baghouse for particulate control (CD9 and CD10)	51
U19	Sludge Bldg	Sludge Storage & Loading Building	54
U20	SldgHeat 1-4	Sludge Heat Treatment Boilers #1 - #4. (67.1 MMBtu/hr each) Only 3 run at once. Firing NG. Subject to NSPS Subparts A & Dc	58
U21	NaOCl tanks	Sodium Hypochlorite (NaOCl) Storage Tanks #1 through #5, 30,000 gallons each	66
U22	CentHtr 1,2	Centrifuge Facility Hot Water Heaters #1 & #2 (1.6 MMBtu/hr each) Firing NG	67
U23	FiltPresses	Sludge Filter Presses	69
U24	Paint Booth	Vehicle Paint Spray Booth with 1.7 MMBtu/hr air heater (CD6)	73
U26	InfFineScr	Influent Fine Screens (Grandfathered)	77
U27	GritChannels	Grit Channels (Grandfathered)	79
U28	InfScrPumps	Influent Screw Pumps (Grandfathered)	81
U34	PrimyClarifs	Primary Clarifiers (Grandfathered)	83
U46	Oxgetn Tanks	Oxygenation Tanks (Grandfathered)	86
U47	Final Clar	Final Clarifiers (Grandfathered)	88
U48	RetScrPumps	Return Sludge Screw Pump Facilities (Grandfathered)	90
U49	Grav Thicknr	Gravity Thickeners (Grandfathered)	92
U50	ClFacilities	Chlorination Facilities (Grandfathered)	94
U54	Centruge 1-5	Sludge Thickening Centrifuges #1 through #5, Thickener Sludge Wetwells #1 thru #6 , new sludge storage tank (CD11, CD12, CD13, CD14, and CD15)	96
U101	SST Stack	Sludge Pumping Station and Sludge Storage Tanks #1, #2, #5, #6	101
U102	EGs	Emergency Diesel Generators	105

PASSAIC VALLEY SEWERAGE COMMISSION (07349)
BOP230003

Date: 11/28/202

New Jersey Department of Environmental Protection
Reason for Application

Permit Being Modified

Permit Class: BOP **Number:** 190001

Description of Modifications:

- delete U9 Equipment E14 and E15 (old USTs, 10,000 gallon each)
- delete U9 Emission Points PT9 amd PT10 (old UST vent pipes)
- add U9 Equipment E207 (10,000 gallon gasoline UST) and E208 (6,000 gallon gasoline UST)
- add U9 Emission Points PT207 (U9 OS1) and PT208 (U9 OS2)
- decrease in VOC emissions from 0.68 tpy to 0.3 tpy for U9 OS Summary
- remove outdated sulfur content limits in IS1, IS2, IS3, and U102 OS Summary

New Jersey Department of Environmental Protection
Facility Specific Requirements

Subject Item: **FC**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	General Provisions: The permittee shall comply with all applicable provisions of N.J.A.C. 7:27-1. [N.J.A.C. 7:27- 1]	None.	None.	None.
2	Control and Prohibition of Open Burning: The permittee is prohibited from open burning of rubbish, garbage, trade waste, buildings, structures, leaves, other plant life and salvage. Open burning of infested plant life or dangerous material may only be performed with a permit from the Department. [N.J.A.C. 7:27- 2]	None.	None.	Obtain an approved permit: Prior to occurrence of event (prior to open burning). [N.J.A.C. 7:27- 2]
3	Prohibition of Air Pollution: The permittee shall not emit into the outdoor atmosphere substances in quantities that result in air pollution as defined at N.J.A.C. 7:27-5.1. [N.J.A.C. 7:27- 5]	None.	None.	None.
4	Prevention and Control of Air Pollution Control Emergencies: Any person responsible for the operation of a source of air contamination set forth in Table 1 of N.J.A.C. 7:27-12 is required to prepare a written Standby Plan, consistent with good industrial practice and safe operating procedures, and be prepared for reducing the emission of air contaminants during periods of an air pollution alert, warning, or emergency. Any person who operates a source not set forth in Table 1 of N.J.A.C. 7:27-12 is not required to prepare such a plan unless requested by the Department in writing. [N.J.A.C. 7:27-12]	None.	None.	Comply with the requirement: Upon occurrence of event. Upon proclamation by the Governor of an air pollution alert, warning, or emergency, the permittee shall put the Standby Plan into effect. In addition, the permittee shall ensure that all of the applicable emission reduction objectives of N.J.A.C. 7:27-12.4, Table I, II, and III are complied with whenever there is an air pollution alert, warning, or emergency. [N.J.A.C. 7:27-12]
5	Emission Offset Rules: The permittee shall comply with all applicable provisions of Emission Offset Rules. [N.J.A.C. 7:27-18]	None.	None.	None.
6	Emission Statements: The permittee shall comply with all the applicable provisions of N.J.A.C. 7:27-21. [N.J.A.C. 7:27-21]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	Compliance Certification: The permittee shall submit an annual Compliance Certification for each applicable requirement, pursuant to N.J.A.C. 7:27-22.19(f). [N.J.A.C. 7:27-22]	None.	None.	Submit an Annual Compliance Certification: Annually to the Department and to EPA within 60 days after the end of each calendar year during which this permit was in effect. The Compliance Certification shall be certified pursuant to N.J.A.C. 7:27-1.39 by the responsible official and submitted electronically through the NJDEP online web portal. The certification should be printed for submission to EPA. The NJDEP online web portal can be accessed at: http://www.state.nj.us/dep/online/. The Compliance Certification forms and instructions for submitting to EPA are available by selecting Documents and Forms and then Periodic Compliance Certification. [N.J.A.C. 7:27-22]
8	Prevention of Air Pollution from Consumer Products and Architectural Coatings: The permittee shall comply with all applicable provisions of N.J.A.C. 7:27-24 and [N.J.A.C. 7:27-23]	None.	None.	None.
9	Any operation of equipment which causes off-property effects, including odors, or which might reasonably result in citizen's complaints shall be reported to the Department to the extent required by the Air Pollution Control Act, N.J.S.A. 26:2C-19(e). [N.J.S.A. 26: 2C-19(e)]	Other: Observation of plant operations. [N.J.S.A. 26: 2C-19(e)].	Other: Maintain a copy of all information submitted to the Department. [N.J.S.A. 26: 2C-19(e)].	Notify by phone: Upon occurrence of event. A person who causes a release of air contaminants in a quantity or concentration which poses a potential threat to public health, welfare or the environment or which might reasonably result in citizen complaints shall immediately notify the Department. Such notification shall be made by calling the Environmental Action Hotline at (877) 927-6337. [N.J.S.A. 26: 2C-19(e)]
10	Prevention of Significant Deterioration: The permittee shall comply with all applicable provisions of Prevention of Significant Deterioration (PSD). [40 CFR 52.21]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
11	The permittee shall comply with all applicable provisions of National Emission Standards for Hazardous Air Pollutants (NESHAPS) for Asbestos, Subpart M. [40 CFR 61]	Other: Comply with 40 CFR 61.145 and 61.150 when conducting any renovation or demolition activities at the facility. [40 CFR 61].	Other: Comply with 40 CFR 61.153 when conducting any renovation or demolition activities at the facility. [40 CFR 61].	Comply with the requirement: Upon occurrence of event. The permittee shall comply with 40 CFR 61.153 when conducting any renovation or demolition activities at the facility. [40 CFR 61]
12	Protection of Stratospheric Ozone:1) If the permittee manufactures, transforms, destroys, imports, or exports a Class I or Class II substance, the permittee is subject to all the requirements as specified at 40 CFR 82, Subpart A; 2) If the permittee performs a service on motor "fleet" vehicles when this service involves an ozone depleting substance refrigerant (or regulated substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified at 40 CFR 82, Subpart B. 3) The permittee shall comply with the standards for labeling of products containing or manufactured with ozone depleting substances pursuant to 40 CFR 82, Subpart E. 4). The permittee shall comply with the standards for recycling and emission reductions of Class I and Class II refrigerants or a regulated substitute substance during the service, maintenance, repair, and disposal of appliances pursuant to 40 CFR 82, Subpart F, except as provided for motor vehicle air conditioners (MVACs) in Subpart B. 5) The permittee shall be allowed to switch from any ozone depleting substance to any alternative that is listed in the Significant New Alternative Program (SNAP) promulgated pursuant to 40 CFR 82, Subpart G. [40 CFR 82]	Other: Comply with 40 CFR 82 Subparts A, B, E, F, and G. [40 CFR 82].	Other: Comply with 40 CFR 82 Subparts A, B, E, F, and G. [40 CFR 82].	Comply with the requirement: Upon occurrence of event. The permittee shall comply with 40 CFR 82 Subparts A, B, E, F, and G. [40 CFR 82]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
13	Deviation Reports: The permittee shall submit to the Department a certified six-month Deviation Report relating to testing and monitoring required by the operating permit. [N.J.A.C. 7:27-22.19(d)3], [N.J.A.C.7:27-22.19(e)], and [N.J.A.C. 7:27-22.19(c)]	None.	Other: The permittee shall maintain deviation reports for a period of five years from the date each report is submitted to the Department. [N.J.A.C.7:27-22.19(a)] and [N.J.A.C. 7:27-22.19(e)].	Submit a report: As per the approved schedule. The six-month deviation reports for the period from January 1 through June 30 shall be submitted by July 30 of the same calendar year, and for the period from July 1 through December 31, shall be submitted by January 30 of the following calendar year. The annual compliance certification required by N.J.A.C.7:27-22.19(f) may also be considered as your six-month Deviation Report for the period from July 1 – December 31, if submitted by January 30 of the following calendar year. The reports shall be certified pursuant to N.J.A.C. 7:27-1.39 by the responsible official and submitted electronically through the NJDEP online web portal. The NJDEP online web portal can be accessed at: http://www.state.nj.us/dep/online/ . The Compliance Certification forms are available by selecting Documents and Forms and then Periodic Compliance Certification. [N.J.A.C. 7:27-22]
14	Used Oil Combustion: No person shall combust used oil except as authorized pursuant to N.J.A.C. 7:27-20. [N.J.A.C. 7:27-20.2]	None.	None.	Comply with the requirement: Prior to occurrence of event (prior to burning used oil) either register with the Department pursuant to N.J.A.C. 7:27-20.3 or obtain a permit issued by the Department pursuant to N.J.A.C. 7:27-8 or 7:27-22, whichever is applicable. [N.J.A.C. 7:27-20.2(d)]
15	Prevention of Accidental Releases: Facilities producing, processing, handling or storing a chemical, listed in the tables of 40 CFR Part 68.130, and present in a process in a quantity greater than the listed Threshold Quantity, shall comply with all applicable provisions of 40 CFR 68. [40 CFR 68]	Other: Comply with 40 CFR 68. [40 CFR 68].	Other: Comply with 40 CFR 68. [40 CFR 68].	Other (provide description): Other. Comply with 40 CFR 68 as described in the Applicable Requirement. [40 CFR 68]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
16	The Department and its authorized representatives shall have the right to enter and inspect any activity subject to N.J.A.C. 7:27-22, or portion thereof, pursuant to N.J.A.C. 7:27-1.31. [N.J.A.C. 7:27-22.16(g)9]	None.	None.	None.
17	The permittee shall pay fees to the Department pursuant to N.J.A.C. 7:27. [N.J.A.C. 7:27-22.16(g)10]	None.	None.	None.
18	Each permittee shall meet all requirements of the approved source emissions testing and monitoring protocol during the term of the operating permit. Whenever the permittee makes a replacement, modification, change or repair of a certified CEMS or COMS that may significantly affect the ability of the system to accurately measure or record data, the permittee must recertify the CEMS or COMS in accordance with Section V.B. and Appendix E of Technical Manual 1005. The permittee is responsible for any downtime associated with the replacement, modification, change or repair of the CEMS or COMS. [N.J.A.C. 7:27-22.18(j)]	None.	None.	Comply with the requirement: Upon occurrence of event. The permittee is responsible for contacting the Emission Measurement Section to determine the need for recertification and/or to initiate the recertification process. [N.J.A.C. 7:27-22.18(j)]
19	Each process monitor must be operated at all times when the associated process equipment is operating except during service outage time not to exceed 24 hours per calendar quarter. [N.J.A.C. 7:27-22.16(a)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The permittee must keep a service log to document any outage. [N.J.A.C. 7:27-22.16(o)]	None.
20	Continuous recording for process monitors must be at a sufficient frequency and resolution to be able to document compliance or non-compliance in accordance with Technical Manual 1005 for CEMS (TM1005(B)(3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
21	Stack testing after permit expiration: If an operating permit has expired, the conditions of the operating permit, including the requirements for stack testing during the expired permit term, remain enforceable until the operating permit is reissued. [N.J.A.C. 7:27-22.30(j)] and [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Subject Item: **IS1 7 Storage Tanks - Vapor Pressure < 0.02 psia or Capacity < 2000 gal**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	The vapor pressure of the liquid, excluding the vapor pressure of water, shall be less than 0.02 psia at the liquid's actual temperature or at 70 degrees F, whichever is higher. [N.J.A.C. 7:27-22.1]	None.	None.	None.
2	Any tank's potential to emit any Group 1 or Group 2 TXS (or a combination thereof) shall not exceed a rate greater than 0.1 pounds per hour. [N.J.A.C. 7:27-22.1]	None.	None.	None.
3	Sulfur Content in Fuel <= 15 Parts per Million. (effective July 1, 2016). [N.J.A.C. 7:27- 9.2(a)]	None.	Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	None.
4	Fuel stored in New Jersey that met the applicable maximum sulfur content standard of Tables 1A or 1B of N.J.A.C. 7:27-9.2 at the time the fuel was stored in New Jersey may be stored, offered for sale, sold, delivered or exchanged in trade, for use in New Jersey, after the effective date of the applicable standard in Table 1B. [N.J.A.C. 7:27- 9.2(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Subject Item: **IS2 16 Boilers and Water Heaters, Indirect Fired - Max Gross Heat Input < 1 MMBtu/hr**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	No visible emissions except for a period of not longer than three minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-3.2(a)] & [N.J.A.C. 7:27- 3.2(c)]	None.	None.	None.
2	Fuel limited to natural gas or #2 fuel oil. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	Sulfur Content in Fuel <= 15 Parts per Million. (effective July 1, 2016) for Zone 4 (Essex County). [N.J.A.C. 7:27- 9.2(b)]	None.	Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	None.
4	Fuel stored in New Jersey that met the applicable maximum sulfur content standard of Tables 1A or 1B of N.J.A.C. 7:27-9.2 at the time the fuel was stored in New Jersey may be stored, offered for sale, sold, delivered or exchanged in trade, for use in New Jersey, after the effective date of the applicable standard in Table 1B. [N.J.A.C. 7:27- 9.2(b)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Subject Item: **IS3 21 Space Heaters and Thermal Oxidizers, Direct Fired - Max Gross Heat Input < 1 MMBtu/hr**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Opacity <= 20 % exclusive of visible condensed water vapor, except for a period of not longer than 3 minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-6.2(d)] &. [N.J.A.C. 7:27- 6.2(e)]	None.	None.	None.
2	Fuel limited to natural gas or #2 fuel oil. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	Sulfur Content in Fuel <= 15 Parts per Million. (effective July 1, 2016). [N.J.A.C. 7:27- 9.2(b)]	None.	Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	None.
4	Fuel stored in New Jersey that met the applicable maximum sulfur content standard of Tables 1A or 1B of N.J.A.C. 7:27-9.2 at the time the fuel was stored in New Jersey may be stored, offered for sale, sold, delivered or exchanged in trade, for use in New Jersey, after the effective date of the applicable standard in Table 1B. [N.J.A.C. 7:27- 9.2(b)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Subject Item: **IS5 6 Cold Cleaning Machines <=6 sq. ft., open top, <= 100 gal capacity, > 2 gal solvents, > 5% VOC content**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	The following provisions (Ref. #2 through 7) shall apply to a cold cleaning machine, that uses two gallons or more of solvents containing greater than five percent VOC content by weight for the cleaning of metal parts, and to any heated cleaning machine. [N.J.A.C. 7:27-16.6(j)]	None.	None.	None.
2	No person shall add solvent to a cold cleaning machine or a heated cleaning machine, or cause, suffer, allow, or permit the machine to be operated, unless the following requirements are met: i. If the machine is an immersion cold cleaning machine or heated cleaning machine, it shall have: (1) A freeboard ratio of 0.75 or greater; and (2) A visible fill line and a high level liquid mark; ii. The machine shall have a permanent, conspicuous label placed in a prominent location on the machine setting forth the applicable provisions of the operating requirements in N.J.A.C. 7:27-16.6(j)2 below (Ref.#3 through 5); and iii. The machine shall be equipped with: (1) A tightly fitting working-mode cover that completely covers the machine's opening and that shall be kept closed at all times except when parts are being placed into or being removed from the machine or when solvent is being added or removed. For a remote reservoir cold cleaning machine which drains directly into the solvent storage reservoir, a perforated drain with a diameter of not more than six inches shall constitute an acceptable cover; and (2) If the machine is a heated cleaning machine, a thermostat. [N.J.A.C. 7:27-16.6(j)1]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
3	A person shall operate a cold cleaning machine or a heated cleaning machine in accordance with the following procedures: i. The solvent level in the machine shall not exceed the fill line when there are no parts in the machine for cleaning and shall not exceed the high level liquid mark during cleaning operations; ii. Flushing of parts with a solvent spray, using a spray head attached to a flexible hose or other flushing device, shall be performed only within the freeboard area of the machine. The solvent spray shall be a continuous fluid stream, not an atomized or shower spray, and shall be under a pressure that does not exceed ten pounds per square inch gauge; iii. Parts being cleaned shall be drained for at least 15 seconds or until dripping ceases, whichever is longer. Parts having cavities or blind holes shall be tipped or rotated while the part is draining. During the draining, tipping or rotating, the parts shall be positioned so that solvent drains directly back into the machine. [N.J.A.C. 7:27-16.6(j)2i, ii] and. [N.J.A.C. 7:27-16.6(j)2iii]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
4	A person shall operate a cold cleaning machine or a heated cleaning machine in accordance with the following procedures: iv. When the machine's cover is open, the machine shall not be exposed to drafts greater than 40 meters per minute (132 feet per minute), as measured between one and two meters (between 3.3 and 6.6 feet) upwind and at the same elevation as the tank lip; v. Sponges, fabric, leather, paper products and other absorbent materials shall not be cleaned in the machine; vi. When a pump-agitated solvent bath is used, the agitator shall be operated to produce a rolling motion of the solvent with no observable splashing of solvent against the tank walls or the parts being cleaned. Air agitated solvent baths may not be used; vii. Spills during solvent transfer and use of the machine shall be cleaned up immediately, and the wipe rags or other sorbent material used shall be immediately stored in covered containers for disposal or recycling; viii. Waste solvent shall be collected and stored in a closed container. The closed container may contain a device that allows pressure relief, provided that it does not allow liquid solvent to drain from the container. [N.J.A.C. 7:27-16.6(j)2iv through vii] and. [N.J.A.C. 7:27-16.6(j)2viii]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
5	A person shall operate a cold cleaning machine or a heated cleaning machine in accordance with the following procedures: ix. Work area fans shall be located and positioned so that they do not blow across the opening of the degreaser unit; and x. If the machine is a heated cleaning machine, the solvent shall be maintained at a temperature that is below its boiling point. [N.J.A.C. 7:27-16.6(j)2ix] and [N.J.A.C. 7:27-16.6(j)2x]	None.	None.	None.
6	A person shall not use, in a cold cleaning machine or a heated cleaning machine, any solvent that has a vapor pressure of one millimeter of mercury or greater, measured at 20 degrees centigrade (68 degrees Fahrenheit). [N.J.A.C. 7:27-16.6(j)3]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	A person who owns or operates a cold cleaning machine or a heated cleaning machine shall maintain, for not less than two years after the date of purchase of solvent for use in the machine, the information specified below and shall, upon the request of the Department or its representative, provide the information to the Department: i. The name and address of the person selling the solvent. An invoice, bill of sale, or a certificate that corresponds to a number of sales, if it has the seller's name and address on it, may be used to satisfy this requirement; ii. A list of VOC(s) and their concentration information in the solvent; iii. Information about each VOC listed pursuant to ii above. A Material Safety Data Sheet (MSDS) may be used to satisfy this requirement; iv. The solvents product number assigned by the manufacturer; and v. The vapor pressure of the solvent measured in millimeters of mercury at 20 degrees centigrade (68 degrees Fahrenheit). [N.J.A.C. 7:27-16.6(j)4i through iv] and. [N.J.A.C. 7:27-16.6(j)4v]	None.	Other: Maintain readily available records for two years[N.J.A.C. 7:27-16.6(j)4].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Subject Item: **GR1 NSPS Subparts A & Dc requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	All requests, reports, applications, submittals, and other communications to the Administrator pursuant to Part 60 shall be submitted in duplicate to the Regional Office of US Environmental Protection Agency. Submit information to: Region II, Director, Air and Waste Management Division, US Environmental Protection Agency, 21st Floor, 290 Broadway, New York, NY 10007. [40 CFR 60.4(a)]	None.	None.	Submit a report: As per the approved schedule to EPA Region II as required by 40 CFR 60. [40 CFR 60.4(a)]
2	Copies of all information submitted to EPA pursuant to 40 CFR Part 60, must also be submitted to the appropriate Regional Enforcement Office of NJDEP. [40 CFR 60.4(b)]	None.	None.	Submit a report: As per the approved schedule to the appropriate Regional Enforcement Office of NJDEP as required by 40 CFR 60. [40 CFR 60.4(b)]
3	The owner or operator subject to the provisions of 40 CFR Part 60 shall furnish the Administrator written notification or, if acceptable to both the Administrator and the owner or operator of a source, electronic notification, of the date of construction or reconstruction of an affected facility as defined under 40 CFR Part 60 Subpart A. Notification shall be postmarked no later than 30 days after such date. [40 CFR 60.7(a)(1)]	None.	None.	Submit notification: Upon occurrence of event to EPA Region II and the appropriate Regional Enforcement Office of NJDEP as required by 40 CFR 60.7 [40 CFR 60.7(a)(1)]
4	The owner or operator subject to the provisions of 40 CFR Part 60 shall furnish the Administrator written notification or, if acceptable to both the Administrator and the owner or operator of a source, electronic notification, of the actual date of initial startup of an affected facility postmarked within 15 days after such date. [40 CFR 60.7(a)(3)]	None.	None.	Submit notification: Upon occurrence of event to EPA Region II and the appropriate Regional Enforcement Office of NJDEP as required by 40 CFR 60.7 [40 CFR 60.7(a)(3)]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
5	The owner or operator subject to the provisions of 40 CFR Part 60 shall furnish the Administrator written notification or, if acceptable to both the Administrator and the owner or operator of a source, electronic notification, of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless that change is specifically exempted under an applicable subpart or in section 60.14(e). The notification shall include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of facility before and after the change and the expected completion date of the change. Notification shall be postmarked within 60 days or as soon as practicable before any change is commenced. The Administrator may request additional relevant information subsequent to this notice. [40 CFR 60.7(a)(4)]	None.	None.	Submit notification: Upon occurrence of event to EPA Region II and the appropriate Regional Enforcement Office of NJDEP as required by 40 CFR 60.7 [40 CFR 60.7(a)(4)]
6	The owner or operator shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility, any malfunction of air pollution control equipment or any periods during which continuous monitoring system or monitoring device is inoperative. [40 CFR 60.7(b)]	None.	Recordkeeping by manual logging of parameter upon occurrence of event. The records should be kept in a permanent form suitable for inspections. [40 CFR 60.7(b)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	The owner or operator shall maintain a file, suitable for inspection, of all monitoring measurements as indicated in Recordkeeping Requirement column. [40 CFR 60.7(f)]	None.	Other: The file shall include all measurements (including continuous monitoring system, monitoring device, and performance testing measurements), all continuous monitoring system performance evaluations, all continuous monitoring system or monitoring device calibration checks, all adjustments/maintenance performed on these systems or devices, and all other information required by 40 CFR Part 60 recorded in a permanent form suitable for inspection. [40 CFR 60.7(f)].	None.
8	At all times, including periods of start-up, shutdown, and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, opacity observations, review of operation and maintenance procedures, and inspection of the source. [40 CFR 60.11(d)]	None.	None.	None.
9	No owner or operator subject to NSPS standards in Part 60, shall build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere. [40 CFR 60.12]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
10	Changes in time periods for submittal of information and postmark deadlines set forth in this subpart, may be made only upon approval by the Administrator and shall follow procedures outlined in 40 CFR Part 60.19. [40 CFR 60.19]	None.	None.	None.
11	The owner or operator shall record the amount of each fuel combusted in the unit each calendar month. [40 CFR 60.48(c)(g)(2)]	Monitored by fuel flow/firing rate instrument continuously. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation in a bound log book or readily accessible computer memory. [N.J.A.C. 7:27-22.16(o)]	None.
12	The owner or operator shall maintain all required records for a period of two years following the date of such record. [40 CFR 60.48(c)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U5 Oxygen Production Building Boilers #1 & #2 (10.4 MMBtu/hr each)**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	No visible emissions except for a period of not longer than three minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-3.2(a)] & [N.J.A.C. 7:27- 3.2(c)]	Monitored by visual determination each month during operation when burning #2 Fuel Oil and none when burning Natural Gas. . Conduct visual opacity inspections during daylight hours to identify if the stack has visible emissions, other than condensed water vapor. Select an observation position enabling clear view of emission point(s), minimum 15 feet away without sunlight shining directly into the eyes. Observe for a minimum duration of 30 minutes. Clock observation with two stopwatches starting the 1st watch at the commencement of the 30-minute observation period and starting and stopping the 2nd watch every time visible emissions are first seen and when they cease, and record the observation. If visible emissions are observed for more than 3 minutes in the 30-consecutive minutes: (1) Verify the equipment and/or control device causing visible emissions is operating according to manufacturer's specifications. If it is not operating properly, take corrective action immediately to eliminate the excess emissions. (2) If the opacity problem is not corrected within 24 hours, perform a check via a certified opacity reader, in accordance with N.J.A.C. 7:27B-2. Conduct such test each day until the opacity problem is successfully corrected. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system at the approved frequency. Monthly when burning #2 Fuel Oil and none when burning Natural Gas. The permittee must retain the following records; (1) Date and time of inspection; (2) Emission Point number; (3) Operational status of equipment; (4) Observed results and conclusions; (5) Description of corrective action taken if needed; (6) Date and time opacity problem was solved, if applicable; (7) N.J.A.C. 7:27B-2 results if conducted; and (8) Name of person(s) conducting inspection. [N.J.A.C. 7:27-22.16(o)]	None.
2	Particulate Emissions <= 8.08 lb/hr. Particulate emission limit from the combustion of fuel based on rated heat input of source, two boilers to one stack (total 20.8 MMBtu/hr). [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
3	Maximum Gross Heat Input <= 10.4 MMBTU/hr (HHV) each boiler from preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	None.	Other: Maintain documentation of fuel burner rated capacity.[N.J.A.C. 7:27-22.16(o)].	None.
4	Maximum Gross Heat Input <= 45,552 MMBTU (HHV) per any 12 consecutive month period Annual heat input (each boiler), based on 10.4 MMBtu/hr and 4380 hr/yr. [N.J.A.C. 7:27-22.16(e)]	Maximum Gross Heat Input: Monitored by fuel flow/firing rate instrument continuously, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	Other: Manual logging of heat input or other method approved by the Northern Regional Office (NRO). Monthly. Operating logs shall be kept to accurately record the operating time and type and quantity of each fuel burned. Compliance with the maximum 12-month heat input limit shall be demonstrated monthly through fuel use records and the application of the following equation: Actual 12-month Heat Input (Btu) = [(x SCF Natural Gas) (1020 Btu/SCF)] + [(y Gal. #2 Fuel Oil) (142,000 Btu/ Gal.)] where "x" and "y" are the actual amounts of natural gas and #2 fuel oil combusted, respectively, based on fuel use records per consecutive 12-month period.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
5	The owner or operator of an industrial/commercial/institutional boiler or other indirect heat exchanger with a gross heat input of at least five million BTU per hour or more shall adjust the combustion process annually in the same quarter of each calendar year. The adjustment of the combustion process shall be done in accordance with the procedure set forth at N.J.A.C. 7:27-19.16. [N.J.A.C. 7:27-16.8(b)], [N.J.A.C. 7:27-16.8(c)] and [N.J.A.C. 7:27-19.7(g)]	Monitored by periodic emission monitoring annually. The owner or operator shall perform the adjustment of the combustion process in accordance with the specific procedures for combustion adjustment monitoring specified in NJDEP Technical Manual 1005 and the procedure set forth at N.J.A.C. 7:27-19.16(a) as follows: 1.Inspect the burner, and clean or replace any components of the burner as necessary; 2. Inspect the flame pattern and make any adjustments to the burner necessary to optimize the flame pattern consistent with the manufacturer's specifications; 3. Inspect the system controlling the air-to-fuel ratio, and ensure that it is correctly calibrated and functioning properly; 4. Minimize the total emissions of NOx and CO consistent with the manufacturer's specifications; 5. Measure the concentrations in the effluent stream of NOx, CO and O2 in ppmvd, before and after the adjustment is made; and 6. Convert the emission values of NOx, CO and O2 concentrations measured in lb/MMBTU according to the following formula: Lb/MMBTU = ppmvd * MW * F dry factor * O2 correction factor/387,000,000, where: ppmvd is the concentration in parts per million by volume, dry basis, of NOx or CO; MW is the Molecular Weight for NOx=46 lb/lb-mole, CO=28 lb/lb-mole; F Dry factor for: Natural Gas = 8,710 dscf/MMBTU, Residual or fuel oil = 9,190 dscf/MMBTU; O2 correction factor: (20.9%)/(20.9% - O2 measured), where O2 measured is percent oxygen on a dry basis. [N.J.A.C. 7:27-19.16(a)]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon performing combustion adjustment of the following information for each adjustment: 1. The date of the adjustment and the times at which it began and ended; 2. The name, title and affiliation of the person who made the adjustment; 3. The NOx and CO concentrations in the effluent stream, in ppmvd, before and after each actual adjustment was made; 4. The concentration of O2 (in percent dry basis) at which the CO and NOx concentrations were measured; 5. A description of any corrective action taken; 6. Results from any subsequent test performed after taking any corrective action, including concentrations and converted emission values in (lb/MMBTU); 7. The type and amount of fuel used over the 12 months prior to the annual adjustment; 8. Any other information which the Department or the EPA has required as a condition of approval of any permit or certificate issued for the source operation. The records must be retained for a minimum of five years and to be made readily accessible to the Department upon request. [N.J.A.C. 7:27-19.16(b)]	Submit a report: Annually. The owner or operator shall submit an annual adjustment combustion process report to the department within 45 days after the adjustment of the combustion process is completed. The report shall be submitted electronically to: www.njdeponline.com. Instructions for submitting this report online are specified at: http://www.nj.gov/dep/aqpp/adjustment.htm. [N.J.A.C. 7:27-19.16(d)] and [N.J.A.C. 7:27-19.16(c)]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
6	The owner or operator of the adjusted equipment or source operation shall ensure that the operating parameter settings are established and recorded after the combustion process is adjusted and that the adjusted equipment or source operation is maintained to operate consistent with the annual adjustment. [N.J.A.C. 7:27-19.16(e)]	Other: Monitor and maintain the operating parameter settings that are established after the combustion process is adjusted in order to operate consistent with the annual adjustment.[N.J.A.C. 7:27-22.16(o)].	Other: The owner or operator shall record the operating parameter settings that are established after the combustion process is adjusted[N.J.A.C. 7:27-19.16(e)].	None.
7	Boiler fuel limited to natural gas. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
8	Natural Gas Usage <= 72 MMft^3/yr (total for both boilers). Annual fuel use limit from preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	Other: Totalizing Fuel Meter(s). Continuously.[N.J.A.C. 7:27-22.16(e)].	Natural Gas Usage: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation Manual logging of total fuel consumption in a bound logbook or in readily accessible computer files. Monthly. [N.J.A.C. 7:27-22.16(e)]	None.
9	VOC (Total) <= 0.266 tons/yr annual emission limit for both boilers based on total combined annual fuel use. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
10	NOx (Total) <= 7.01 tons/yr annual emission limit for both boilers based on total combined annual fuel use. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
11	CO <= 1.62 tons/yr annual emission limit for both boilers based on total combined annual fuel use. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
12	SO2 <= 11.5 tons/yr annual emission limit for both boilers based on total combined annual fuel use. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
13	TSP <= 0.532 tons/yr annual emission limit for both boilers based on total combined annual fuel use. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
14	PM-10 (Total) <= 0.532 tons/yr annual emission limit for both boilers based on total combined annual fuel use. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U5 Oxygen Production Building Boilers #1 & #2 (10.4 MMBtu/hr each)**
Operating Scenario: **OS1 Boiler #1 firing natural gas, OS2 Boiler #2 firing natural gas**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	NOx (Total) <= 1.436 lb/hr maximum emission rate from preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
2	CO <= 0.359 lb/hr maximum emission rate from preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	TSP <= 0.05 lb/hr maximum emission rate. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U7 Grit and Screening Boilers #1 & #2 (1.701 MMBtu/hr each). One boiler is primary, the second is standby.**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	No visible emissions except for a period of not longer than three minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-3.2(a)] & [N.J.A.C. 7:27- 3.2(c)]	None.	None.	None.
2	Particulate Emissions <= 2.04 lb/hr. Particulate emission limit from the combustion of fuel based on rated heat input of source (two 1.701 MMBtu/hr boilers). [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
3	Maximum Gross Heat Input <= 1.701 MMBTU/hr (HHV) (each boiler) from BOP130006. [N.J.A.C. 7:27-22.16(a)]	None.	Other: Maintain documentation of burner rated capacity.[N.J.A.C. 7:27-22.16(o)].	None.
4	Boiler fuel limited to natural gas. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
5	Natural Gas Usage <= 29.14 MMft^3/yr. Annual fuel use limit total for both boilers from BOP130006. [N.J.A.C. 7:27-22.16(a)]	Other: Totalizing Fuel Meter. Continuously.[N.J.A.C. 7:27-22.16(o)].	Other: Manual logging of fuel consumption in a logbook or readily accessible computer files. Annually.[N.J.A.C. 7:27-22.16(o)].	None.
6	NOx (Total) <= 0.98 tons/yr annual emission limit total for both boilers based on total combined annual fuel use from BOP130006. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	CO <= 0.82 tons/yr annual emission limit total for both boilers based on total combined annual fuel use from BOP130006. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U7 Grit and Screening Boilers #1 & #2 (1.701 MMBtu/hr each). One boiler is primary, the second is standby.**

Operating Scenario: **OS1 Boiler #1 firing natural gas, OS2 Boiler #2 firing natural gas**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	NOx (Total) <= 0.112 lb/hr maximum emission rate for each boiler from BOP130006. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
2	CO <= 0.094 lb/hr maximum emission rate for each boiler from BOP130006. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	Maximum emission rates of VOC, SO2, TSP, and PM-10 from BOP130006 are below reporting threshold of 0.05 lb/hr in Appendix to N.J.A.C. 7:27-22. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U8 Wet Weather Pump Station Boilers #1 & #2 (1.714 MMBtu/hr each). One boiler is primary, the second is standby.**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Summary of Applicable Federal Regulations: 40 CFR 63 Subpart A and Subpart CCCCCC. [None]	None.	None.	None.
2	No visible emissions except for a period of not longer than three minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-3.2(a)] & [N.J.A.C. 7:27- 3.2(c)]	None.	None.	None.
3	Particulate Emissions <= 2.04 lb/hr. Particulate emission limit from the combustion of fuel based on rated heat input of source (two 1.714 MMBtu/hr boilers). [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
4	Maximum Gross Heat Input <= 1.714 MMBTU/hr (HHV) from BOP130006. [N.J.A.C. 7:27-22.16(a)]	None.	Other: Maintain documentation of fuel burner rated capacity.[N.J.A.C. 7:27-22.16(o)].	None.
5	Boiler fuel limited to natural gas. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Natural Gas Usage <= 29.14 MMft^3/yr (total for both boilers). Annual fuel use limit from BOP130006. [N.J.A.C. 7:27-22.16(a)]	Other: Totalizing Fuel Meter(s). Continuously.[N.J.A.C. 7:27-22.16(o)].	Natural Gas Usage: Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27-22.16(o)]	None.
7	NOx (Total) <= 0.98 tons/yr annual emission limit for both boilers based on total combined annual fuel use from BOP130006. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	CO <= 0.82 tons/yr annual emission limit for both boilers based on total combined annual fuel use from BOP130006. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U8 Wet Weather Pump Station Boilers #1 & #2 (1.714 MMBtu/hr each). One boiler is primary, the second is standby.**

Operating Scenario: **OS1 Boiler #1 firing natural gas, OS2 Boiler #2 firing natural gas**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	NOx (Total) <= 0.112 lb/hr maximum emission rate for each boiler from BOP130006. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
2	CO <= 0.094 lb/hr maximum emission rate for each boiler from BOP130006.. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	Maximum emission rates of VOC, SO2, TSP, and PM-10 from BOP130006 are below reporting threshold of 0.05 lb/hr in Appendix to N.J.A.C. 7:27-22. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U9 Vehicle Maintenance Gasoline Underground Storage Tanks #1 and #2. (Tank 1 - 10,000 gallons & Tank 2 - 6,000 gallons)**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Summary of Applicable Federal Regulations: 40 CFR 63 Subpart A 40 CFR 63 Subpart CCCCCC [40 CFR 63]	None.	None.	None.
2	Tank content limited to gasoline with Vapor Pressure <= 8 psia. [N.J.A.C. 7:27-22.16(a)]	Vapor Pressure: Monitored by review of fuel delivery records per delivery. [N.J.A.C. 7:27-22.16(o)]	Vapor Pressure: Recordkeeping by manual logging of parameter or storing data in a computer data system at the approved frequency. The permittee shall maintain records specifying each material stored and its vapor pressure at standard conditions. [N.J.A.C. 7:27-16.2(s)1]	None.
3	Total Throughput < 10,000 gallons of gasoline per month. [N.J.A.C. 7:27-22.16(a)]	Total Throughput: Monitored by calculations daily. The permittee shall calculate the monthly throughput by summing the volume of gasoline loaded into, or dispensed from, all gasoline storage tanks during the current day, plus the total volume of gasoline loaded into, or dispensed from, all gasoline storage tanks during the previous 364 days, and then dividing that sum by 12. (MACT Subpart CCCCCC). [40 CFR 63.11132]	Total Throughput: Recordkeeping by manual logging of parameter or storing data in a computer data system daily. The permittee shall maintain records of daily total gasoline throughput and average monthly gasoline throughput. The permittee must have records available within 24 hours of a request by the Administrator to document gasoline throughput. (MACT Subpart CCCCCC) [40 CFR 63.11116(b)] &. [N.J.A.C. 7:27-22.16(o)]	None.
4	Total Throughput <= 119,000 gal/yr of gasoline. [N.J.A.C. 7:27-22.16(a)]	None.	Total Throughput: Recordkeeping by manual logging of parameter or storing data in a computer data system per delivery. The permittee shall record monthly and annual gasoline throughput rates. [N.J.A.C. 7:27-16.3(t)1]	None.
5	VOC (Total) <= 0.3 tons/yr based on total throughput. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	The transfer of gasoline into the storage tanks shall be made through a submerged fill pipe. The submerged fill pipe shall be permanently affixed to the tank. [N.J.A.C. 7:27-16.3(c)1i]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	The tanks shall be equipped with a Phase I Vapor Recovery System that reduces the total applicable VOC emissions into the outdoor atmosphere by no less than 98 % of the concentration of applicable VOC by volume in the air-vapor mixture displaced during the transfer of gasoline. [N.J.A.C. 7:27-16.3(d)1]	None.	None.	None.
8	The tanks shall be equipped a pressure/vacuum relief valve on each atmospheric vent. [N.J.A.C. 7:27-16.3(d)2]	None.	None.	None.
9	The tanks shall be equipped with a CARB-certified Phase I EVR system pressure/vacuum relief vent valve. [N.J.A.C. 7:27-16.3(d)3]	None.	None.	None.
10	The tanks shall be equipped with a CARB-certified Phase I EVR system, including a dual point vapor balance system, the components of which shall have been approved in one or more CARB-certified Phase I EVR System executive orders in effect at the time of installation, but the components need not all be approved in the same executive order. [N.J.A.C. 7:27-16.3(d)4]	None.	None.	None.
11	The Permittee shall ensure that during the transfer of gasoline into any gasoline-laden vehicular fuel tank, any person refueling a vehicle prevents overfilling and spillage and does not allow the transfer of gasoline to continue after the nozzle automatic shut-off point. [N.J.A.C. 7:27-16.3(g)1]	None.	None.	None.
12	The Permittee shall ensure that each dispensing device that dispenses more than one grade of gasoline utilizes a unihose system for dispensing gasoline. [N.J.A.C. 7:27-16.3(g)2]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
13	The Permittee shall ensure that each nozzle is a CARB-certified enhanced conventional (ECO) nozzles in accordance with CARB certification procedure CP-207, as amended or supplemented. If no nozzle is CARB-certified at the time of the installation, or nozzle replacement, a conventional nozzle may be installed. [N.J.A.C. 7:27-16.3(g)3]	None.	None.	None.
14	The Permittee shall ensure that each dispenser hose is a CARB-certified low permeation hose in accordance with CARB certification procedures CP-201 and CP-207, as amended or supplemented. [N.J.A.C. 7:27-16.3(g)4]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
15	The permittee shall perform tests in accordance with Table 3A of N.J.A.C. 7:27-16 to demonstrate that the facility's vapor recovery systems or equipment are performing properly. At least 14 days prior to performing any tests, the permittee shall notify the Department by e-mail to 14dayUSTnotice@dep.nj.gov and include the name, address, and registration number of the facility, name and contact information for the permittee, the name and contact information of the business conducting the testing, and the date on which the testing is scheduled to begin. [N.J.A.C. 7:27-16.3(j)]	Other: Each test required to be performed pursuant to N.J.A.C. 7:27-16.3(j)1 shall be conducted utilizing the applicable CARB test method cited in Table 3A of N.J.A.C. 7:27-16. The test methods cited in Table 3A are available at: https://www.arb.ca.gov/vapor/vapor.htm. A vapor recovery system or equipment shall be deemed to have passed the test if it meets the applicable performance standards and specifications set forth in CARB's Vapor Recovery Certification Procedures and/or Test Procedures, which are incorporated herein by reference. CARB's Vapor Recovery Certification and Testing Procedures may be downloaded from CARB's website at: https://www.arb.ca.gov/vapor/vapor.htm. [N.J.A.C. 7:27-16.3(j)].	Other: The permittee shall maintain the following records at the facility and have it accessible to the Department upon request: i. Documentation of the performance of each test required which must include date of the test, the time the test was conducted, the name of the testing company, the test method; and ii. Record of each test results of each test performed. On the day of the test, any vapor recovery system corrective action, repairs, or equipment replacement shall be recorded with the test results. [N.J.A.C. 7:27-16.3(t)2] &[N.J.A.C. 7:27-16.3(j)4].	Repair equipment: Upon occurrence of event. Upon failure of any test the permittee shall: i. Notify the Department in writing within 72 hours of the failure. Such notification shall be submitted to the Department by email at 14dayUSTnotice@dep.nj.gov and include in the email, the name, address, and registration number of the facility, name and contact information for the owner and operator, the name and contact information of the business conducting the testing, the date the testing was conducted, and the results of the testing using the forms in the applicable CARB method. ii Have the system repaired and retested within 14 days of failure of the test. Upon failure of the retest, the permittee shall notify the Department in writing within 72 hours of the failure. Such notification shall be submitted by email at 14dayUSTnotice@dep.nj.gov including in the email the same information requested above. The system shall be repaired and retested in accordance with a compliance plan approved by the Department. [N.J.A.C. 7:27-16.3(j)]
16	Any delivery vessel except railroad tank cars or marine tank vessels with a maximum capacity of 2,000 gallons or greater shall have a certification affixed to the vessel in a prominent location which indicates the identification number of the vessel and the date the vessel last passed the pressure and vacuum tests. [N.J.A.C. 7:27-16.3(k)3]	None.	None.	None.
17	The permittee shall not conduct the transfer of gasoline from delivery vessels under a vacuum in excess of 6 inches of water. [N.J.A.C. 7:27-16.3(l)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
18	The permittee shall not transfer gasoline if the delivery vessel being loaded or unloaded, any control apparatus or other equipment serving the transfer operation has a leak that results in a concentration of VOC greater than or equal to 100% LEL of propane when measured at a distance of 1.0 inch from the location of the leak. [N.J.A.C. 7:27-16.3(p)1i]	None.	None.	None.
19	The permittee shall not transfer gasoline if the delivery vessel being loaded or unloaded, any control apparatus, or other equipment serving the transfer operation has a liquid leak. [N.J.A.C. 7:27-16.3(p)1ii]	None.	None.	None.
20	The permittee shall not transfer gasoline if any component of the delivery vessel designed for preventing the release of gasoline vapors is not installed and operating as designed. [N.J.A.C. 7:27-16.3(p)2]	None.	None.	None.
21	The permittee shall not transfer gasoline if the continued transfer would result in a liquid gasoline spill. [N.J.A.C. 7:27-16.3(p)3]	None.	None.	None.
22	The permittee must, at all times, operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source. (MACT Subpart CCCCCC) [40 CFR 63.11115(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
23	The Permittee must minimize gasoline spills, clean up spills expeditiously; cover gasoline containers and storage tank fill pipes with a gasketed seal, and minimize gasoline sent to open collection systems. (MACT Subpart CCCCCC) [40 CFR 63.11116(a)]	None.	None.	None.
24	The permittee shall keep the following records: (1) Records of the occurrence and duration of each malfunction of operation (ie., process equipment) or the air pollution control and monitoring equipment. (2) Records of actions taken during periods of malfunction to minimize emissions in accordance with 40 CFR 63.11115(a), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation. (MACT Subpart CCCCCC) [40 CFR 63.11125(d)]	None.	None.	None.
25	The permittee shall comply with the General Provisions as shown in Table 3 to Subpart CCCCCC of 40 CFR 63 that apply to Gasoline Dispensing Facilities. (MACT Subpart CCCCCC) [40 CFR 63.11130]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U11 Operations & Maintenance Building 24.5 MMBTU/hr Boilers #2 & #3 subject to NSPS Dc**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	No visible emissions except for a period of not longer than three minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-3.2(a)] & [N.J.A.C. 7:27- 3.2(c)]	Monitored by visual determination each week during operation when burning #2 Fuel Oil and none when burning Natural Gas. . Conduct visual opacity inspections during daylight hours to identify if the stack has visible emissions, other than condensed water vapor. Select an observation position enabling clear view of emission point(s), minimum 15 feet away without sunlight shining directly into the eyes. Observe for a minimum duration of 30 minutes. Clock observation with two stopwatches starting the 1st watch at the commencement of the 30-minute observation period and starting and stopping the 2nd watch every time visible emissions are first seen and when they cease, and record the observation. If visible emissions are observed for more than 3 minutes in the 30-consecutive minutes: (1) Verify the equipment and/or control device causing visible emissions is operating according to manufacturer's specifications. If it is not operating properly, take corrective action immediately to eliminate the excess emissions. (2) If the opacity problem is not corrected within 24 hours, perform a check via a certified opacity reader, in accordance with N.J.A.C. 7:27B-2. Conduct such test each day until the opacity problem is successfully corrected. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system at the approved frequency. Weekly when burning #2 Fuel Oil and none when burning Natural Gas. The permittee must retain the following records; (1) Date and time of inspection; (2) Emission Point number; (3) Operational status of equipment; (4) Observed results and conclusions; (5) Description of corrective action taken if needed; (6) Date and time opacity problem was solved, if applicable; (7) N.J.A.C. 7:27B-2 results if conducted; and (8) Name of person(s) conducting inspection. [N.J.A.C. 7:27-22.16(o)]	None.
2	Particulate Emissions <= 8.45 lb/hr. Particulate emission limit per boiler from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
3	The owner or operator of an industrial/commercial/institutional boiler or other indirect heat exchanger with a gross heat input of at least five million BTU per hour or more shall adjust the combustion process annually in the same quarter of each calendar year. The adjustment of the combustion process shall be done in accordance with the procedure set forth at N.J.A.C. 7:27-19.16. [N.J.A.C. 7:27-16.8(b)], [N.J.A.C. 7:27-16.8(c)] and [N.J.A.C. 7:27-19.7(g)]	Monitored by periodic emission monitoring annually. The owner or operator shall perform the adjustment of the combustion process in accordance with the specific procedures for combustion adjustment monitoring specified in NJDEP Technical Manual 1005 and the procedure set forth at N.J.A.C. 7:27-19.16(a) as follows: 1.Inspect the burner, and clean or replace any components of the burner as necessary; 2. Inspect the flame pattern and make any adjustments to the burner necessary to optimize the flame pattern consistent with the manufacturer's specifications; 3. Inspect the system controlling the air-to-fuel ratio, and ensure that it is correctly calibrated and functioning properly; 4. Minimize the total emissions of NOx and CO consistent with the manufacturer's specifications; 5. Measure the concentrations in the effluent stream of NOx, CO and O2 in ppmvd, before and after the adjustment is made; and 6. Convert the emission values of NOx, CO and O2 concentrations measured in lb/MMBTU according to the following formula: Lb/MMBTU = ppmvd * MW * F dry factor * O2 correction factor/387,000,000, where: ppmvd is the concentration in parts per million by volume, dry basis, of NOx or CO; MW is the Molecular Weight for NOx=46 lb/lb-mole, CO=28 lb/lb-mole; F Dry factor for: Natural Gas = 8,710 dscf/MMBTU, Residual or fuel oil = 9,190 dscf/MMBTU; O2 correction factor: (20.9%)/(20.9% - O2 measured), where O2 measured is percent oxygen on a dry basis. [N.J.A.C. 7:27-19.16(a)]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon performing combustion adjustment of the following information for each adjustment: 1. The date of the adjustment and the times at which it began and ended; 2. The name, title and affiliation of the person who made the adjustment; 3. The NOx and CO concentrations in the effluent stream, in ppmvd, before and after each actual adjustment was made; 4. The concentration of O2 (in percent dry basis) at which the CO and NOx concentrations were measured; 5. A description of any corrective action taken; 6. Results from any subsequent test performed after taking any corrective action, including concentrations and converted emission values in (lb/MMBTU); 7. The type and amount of fuel used over the 12 months prior to the annual adjustment; 8. Any other information which the Department or the EPA has required as a condition of approval of any permit or certificate issued for the source operation. The records must be retained for a minimum of five years and to be made readily accessible to the Department upon request. [N.J.A.C. 7:27-19.16(b)]	Submit a report: Annually. The owner or operator shall submit an annual adjustment combustion process report to the department within 45 days after the adjustment of the combustion process is completed. The report shall be submitted electronically to: www.njdeponline.com. Instructions for submitting this report online are specified at: http://www.nj.gov/dep/aqpp/adjustment.htm. [N.J.A.C. 7:27-19.16(d)] and [N.J.A.C. 7:27-19.16(c)]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
4	The owner or operator of the adjusted equipment or source operation shall ensure that the operating parameter settings are established and recorded after the combustion process is adjusted and that the adjusted equipment or source operation is maintained to operate consistent with the annual adjustment. [N.J.A.C. 7:27-19.16(e)]	Other: Monitor and maintain the operating parameter settings that are established after the combustion process is adjusted in order to operate consistent with the annual adjustment.[N.J.A.C. 7:27-22.16(o)].	Other: The owner or operator shall record the operating parameter settings that are established after the combustion process is adjusted[N.J.A.C. 7:27-19.16(e)].	None.
5	The fuel for each boiler is limited to natural gas. [N.J.A.C. 7:27-22.16(a)]	Other: Maintain records indicating when each boiler is operating. Continuously.[N.J.A.C. 7:27-22.16(e)].	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event Record the following for each boiler: 1.) Brief description, location, and stack designation of the boiler; 2.) Date and start time, date and end time, type of fuel (natural gas or No. 2 oil) and amount of fuel combusted; and 3.) Hours of operation of the boiler during No. 2 oil combustion in a calendar year. [N.J.A.C. 7:27-22.16(e)]	None.
6	Maximum Gross Heat Input <= 24.5 MMBTU/hr (HHV) (each boiler) . From BOP080002. [N.J.A.C. 7:27-22.16(a)]	None.	Other: Maintain documentation of fuel burner rated capacity.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	Maximum Gross Heat Input <= 429,240 MMBTU (HHV) per any 12 consecutive month period. Annual heat input (total for two boilers) based on two 24.5 MMBtu/hr boilers operating 8760 hr/yr from BOP080002. [N.J.A.C. 7:27-22.16(e)]	Maximum Gross Heat Input: Monitored by fuel flow/firing rate instrument continuously, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	Other: Manual logging of heat input or other method approved by the Northern Regional Office (NRO). Monthly. Operating logs shall be kept to accurately record the operating time and type and quantity of each fuel burned. Compliance with the maximum 12-month heat input limit shall be demonstrated monthly through fuel use records and the application of the following equation: Actual 12-month Heat Input (Btu) = [(x SCF Natural Gas) (1020 Btu/SCF)] + [(y Gal. #2 Fuel Oil) (140,000 Btu/ Gal.)] where "x" and "y" are the actual amounts of natural gas and #2 fuel oil combusted, respectively, based on fuel use records per consecutive 12-month period. This procedure will begin with the first full month following the final issuance of the Operating Permit. This accounting will not include fuel consumption during months prior to the approval of the Operating Permit. The permittee will select the time period for accounting, such as fiscal month, calendar month, or production month. Once selected, the period must not be changed without prior approval from NJDEP.[N.J.A.C. 7:27-22.16(o)].	None.
8	VOC (Total) <= 0.85 tons/yr. Annual emission limit for two boilers based on total combined worst case annual fuel use. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	NOx (Total) <= 8.92 tons/yr. Annual emission limit for two boilers based on total combined worst case annual fuel use. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
10	CO <= 8.49 tons/yr. Annual emission limit for two boilers based on total combined worst case annual fuel use. From BOP080002. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
11	SO2 <= 3.93 tons/yr. Annual emission limit for two boilers based on total combined worst case annual fuel use. From BOP080002. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
12	TSP <= 2.37 tons/yr. Annual emission limit for two boilers based on total combined worst case annual fuel use. . [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
13	PM-10 (Total) <= 2.37 tons/yr. Annual emission limit for two boilers based on total combined worst case annual fuel use. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
14	The owner or operator shall comply, as applicable, with the standards required in 40 CFR 60. (NSPS Subpart A & Subpart Dc). See GR1. [40 CFR 60]	Other: The owner or operator shall comply, as applicable, with the monitoring requirements as required in 40 CFR 60. (NSPS Subpart A& Dc)[40 CFR 60].	Other: The owner or operator shall comply, as applicable, with the recordkeeping requirements as required in 40 CFR 60. (NSPS Subpart A & Dc)[40 CFR 60].	Comply with the requirement: As per the approved schedule , the owner or operator shall comply, as applicable, with the submittal/action requirements as required in 40 CFR 60. The owner or operator shall submit all required reports to the EPA and NJDEP Regional Enforcement Office. (NSPS Subpart A& Dc). [40 CFR 60]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U11 Operations & Maintenance Building 24.5 MMBTU/hr Boilers #2 & #3 subject to NSPS Dc**

Operating Scenario: **OS8 Boiler #2 firing natural gas, OS9 Boiler #3 firing natural gas**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	VOC (Total) <= 0.098 lb/hr maximum emission rate from BOP080002. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
2	NOx (Total) <= 0.857 lb/hr maximum emission rate from BOP080002. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	CO <= 0.98 lb/hr maximum emission rate from BOP080002. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	TSP <= 0.245 lb/hr maximum emission rate from BOP080002. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	PM-10 (Total) <= 0.245 lb/hr maximum emission rate from BOP080002. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U12 Lime Storage Silos #1, #2 and #3, each with baghouse for particulate control (CD1, CD2 and CD3)**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Opacity <= 20 % exclusive of visible condensed water vapor, except a three minute period in any consecutive 30-minute period. [N.J.A.C. 7:27-6.2(d)] &. [N.J.A.C. 7:27- 6.2(e)]	None.	None.	None.
2	TSP <= 0.5 lb/hr. Maximum allowable particulate emission rate from source emission point based on 0.02 grains per SCF of stack gas flow as determined in the Table at N.J.A.C. 7:27-6.2(a). [N.J.A.C. 7:27- 6.2]	None.	None.	None.
3	TSP <= 0.05 lb/hr. Maximum emission rate for each silo. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Raw materials limited to lime. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
5	Silo capacity <= 19,000 cubic feet. (Each silo) [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
6	Hours of Operation <= 156 hr/yr for each silo. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
7	The control devices (CD1, CD2 and CD3) shall be maintained to comply with the design and control efficiencies specified in the control device details section of the application for this operating permit. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Each silo shall vent to its baghouse at all times. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
9	The permittee shall inspect and maintain the dust collectors at least annually and replace the filter media on a schedule which will ensure the dust collector efficiency is maintained. The dust collectors shall be operated and maintained in accordance with the manufacturer's recommendations. [N.J.A.C. 7:27-22.16(a)]	Monitored by visual determination annually. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. Each instance of dust collector maintenance and filter media replacement shall be recorded. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U15 Centrifuge Sludge Dewatering Odor Control System (CD4 and CD5)**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Opacity <= 20 % exclusive of visible condensed water vapor, except a three minute period in any consecutive 30-minute period. [N.J.A.C. 7:27-6.2(d)] &. [N.J.A.C. 7:27- 6.2(e)]	None.	None.	None.
2	The equipment in this emission unit is subject to the sulfur compound emission standards of N.J.A.C. 7:27-7. [N.J.A.C. 7:27- 7]	Other: Monitor by calculations every five years. Comply, as applicable, with all monitoring requirements of N.J.A.C. 7:27-7.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain calculations in a bound logbook or readily available computer file.[N.J.A.C. 7:27-22.16(o)].	None.
3	All emissions from this emission unit shall be exhausted through a control device. The two scrubbers shall be operating at all times that the emission unit is operating, except during maintenance when each scrubber may be shut down for a total of thirty six (36) hours per quarter. The scrubbers may not be shut down simultaneously. [N.J.A.C. 7:27-22.16(e)]	Other: Maintain records indicating when each scrubber is operating.[N.J.A.C. 7:27-22.16(e)].	Other: Recordkeeping by manual logging of the date, the time, and the duration of each shutdown in a logbook or readily accessible computer file.[N.J.A.C. 7:27-22.16(e)].	None.
4	The control devices (CD4 and CD5) shall be maintained to comply with the design and control efficiencies specified in the control device details section of the application for this operating permit. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	Scrubbing Medium Flow Rate >= 170 and Scrubbing Medium Flow Rate <= 220 gal/min for Odor Control Scrubber CD4. [N.J.A.C. 7:27-22.16(e)]	Scrubbing Medium Flow Rate: Monitored by scrubber flow rate instrument continuously. [N.J.A.C. 7:27-22.16(e)]	Scrubbing Medium Flow Rate: Recordkeeping by strip chart continuously or by data acquisition system. [N.J.A.C. 7:27-22.16(o)]	None.
6	Scrubbing Medium Flow Rate >= 80 and Scrubbing Medium Flow Rate <= 140 gal/min for Ammonia Scrubber CD5. [N.J.A.C. 7:27-22.16(e)]	Scrubbing Medium Flow Rate: Monitored by scrubber flow rate instrument continuously. [N.J.A.C. 7:27-22.16(e)]	Scrubbing Medium Flow Rate: Recordkeeping by strip chart continuously or by data acquisition system. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	pH of the Scrubbing Solution at the Inlet of the Scrubber >= 8 and pH of the Scrubbing Solution at the Inlet of the Scrubber <= 10 standard units for Odor Control Scrubber CD4. [N.J.A.C. 7:27-22.16(e)]	pH of the Scrubbing Solution at the Inlet of the Scrubber: Monitored by pH instrument continuously. [N.J.A.C. 7:27-22.16(e)]	pH of the Scrubbing Solution at the Inlet of the Scrubber: Recordkeeping by strip chart continuously or by data acquisition system. [N.J.A.C. 7:27-22.16(o)]	None.
8	pH of the Scrubbing Solution at the Inlet of the Scrubber >= 2 and pH of the Scrubbing Solution at the Inlet of the Scrubber <= 5 standard units for the Ammonia Scrubber CD5. [N.J.A.C. 7:27-22.16(e)]	pH of the Scrubbing Solution at the Inlet of the Scrubber: Monitored by pH instrument continuously. [N.J.A.C. 7:27-22.16(e)]	pH of the Scrubbing Solution at the Inlet of the Scrubber: Recordkeeping by strip chart continuously or by data acquisition system. [N.J.A.C. 7:27-22.16(o)]	None.
9	VOC (Total) <= 8.8 tons/yr annual emission limit from preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	VOC (Total): Monitored by calculations annually. [N.J.A.C. 7:27-22.16(e)]	VOC (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27-22.16(e)]	None.
10	Ammonia <= 0.063 tons/yr annual emission limit from preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	Ammonia: Monitored by calculations annually. [N.J.A.C. 7:27-22.16(e)]	Ammonia: Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27-22.16(e)]	None.
11	Hydrogen sulfide <= 0.38 tons/yr annual emission limit from BOP140004. [N.J.A.C. 7:27-22.16(e)]	Hydrogen sulfide: Monitored by calculations annually. [N.J.A.C. 7:27-22.16(e)]	Hydrogen sulfide: Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27-22.16(e)]	None.
12	VOC (Total) <= 1.99 lb/hr maximum emission rate from preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	VOC (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Recordkeeping by manual logging of parameter initial calculations only. [N.J.A.C. 7:27-22.16(o)]	None.
13	Ammonia <= 0.0147 lb/hr maximum emission rate from preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	Ammonia: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Ammonia: Recordkeeping by manual logging of parameter initial calculations only. [N.J.A.C. 7:27-22.16(o)]	None.
14	Hydrogen sulfide <= 0.0875 lb/hr maximum emission rate from preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	Hydrogen sulfide: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Hydrogen sulfide: Recordkeeping by manual logging of parameter initial calculations only. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U16 Zimpro Odor Control System (CD7 and CD8)**
Operating Scenario: **OS Summary**

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	STACK TESTING SUMMARY The permittee shall conduct a stack test no later than every five years from the last stack test using an approved protocol to demonstrate compliance with emission limits for total VOC, total TXS, SO2, Hydrogen Chloride, TSP, PM-10, CO, NOx, Benzene, Chloroform, Ethylene Dichloride, and Tetrachloroethane (1,1,2,2) emission limits, the VOC and CO destruction efficiencies and VOC concentration as methane (ppmvd) as specified in the compliance plan for OS Summary. Testing every five years shall be defined as no later than the end of the 60th month after the first required and each subsequent stack test was completed for the new or modified source. Testing must be conducted while operating eight(8) Zimpro units and at worst-case permitted operating conditions with regard to meeting the applicable emission standards, but without creating an unsafe condition. The permittee may propose, in the stack test protocol, to use CEMS data to satisfy the stack testing requirements, for CO, with EMS approval. In order for EMS to approve using CEMS data at the time of the stack test, the CEMS must be certified and be in compliance with all daily, quarterly and annual quality assurance requirements. The CEMS shall monitor and record emissions in units identical to those required by the applicable stack testing conditions of this permit. CEMS data, if allowed by this permit, shall be taken at the same worst case conditions as described above. [N.J.A.C. 7:27-22.16(a)]	Other: Monitoring as required under OS Summary.[N.J.A.C. 7:27-22.16(o)].	Other: Recordkeeping as required under OS Summary.[N.J.A.C. 7:27-22.16(o)].	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. Submit a stack test protocol to the Emission Measurement Section (EMS) at Mail Code: 09-01, PO Box 420, Trenton, NJ 08625 no later than 12 months prior to the completion of the five year period since the last stack test. The protocol and test report must be prepared and submitted on a CD using the Electronic Reporting Tool (ERT), unless another format is approved by EMS. The ERT program can be downloaded at: http://www.epa.gov/ttnchie1/ert. Within 30 days of protocol approval or no less than 60 days prior to the testing deadline, whichever is later, the permittee must contact EMS at 609-984-3443 to schedule a mutually acceptable test date. A full stack test report must be submitted to EMS and a certified summary test report must be submitted to the Regional Enforcement Office within 45 days after performing the stack test pursuant to N.J.A.C. 7:27-22.19(d). The test results must be certified by a licensed professional engineer or certified industrial hygienist. [N.J.A.C. 7:27-22.18(e)] and. [N.J.A.C. 7:27-22.18(h)]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
2	TSP <= 1.72 lb/hr maximum allowable particulate emission rate from source emission point based on 0.02 grains per SCF of stack gas flow determined by the Table at N.J.A.C. 7:27-6.2(a). [N.J.A.C. 7:27- 6.2]	None.	None.	None.
3	No visible emissions exclusive of condensed water vapor. [N.J.A.C. 7:27-22.16(e)]	Monitored by visual determination each month during operation. Conduct visual opacity inspections during daylight hours to identify if the stack has visible emissions, other than condensed water vapor. Select an observation position enabling clear view of emission point(s), minimum 15 feet away without sunlight shining directly into the eyes. Observe for a minimum duration of 30 minutes. Clock observation with two stopwatches starting the 1st watch at the commencement of the 30-minute observation period and starting and stopping the 2nd watch every time visible emissions are first seen and when they cease, and record the observation. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation The permittee must retain the following records: (1) Date and time of inspection; (2) Emission Point number; (3) Operational status of equipment; (4) Observed results and conclusions; (5) Description of corrective action taken if needed; (6) Date and time opacity problem was solved, if applicable; (7) N.J.A.C. 7:27B-2 results if conducted; and (8) Name of person(s) conducting inspection. [N.J.A.C. 7:27-22.16(o)]	Other (provide description): Upon occurrence of event : If visible emissions are observed for more than 3 minutes in the 30-consecutive minutes: (1) Verify the equipment and/or control device causing visible emissions is operating according to manufacturer's specifications. If it is not operating properly, take corrective action immediately to eliminate the excess emissions. (2) If the opacity problem is not corrected within 24 hours, perform a check via a certified opacity reader, in accordance with N.J.A.C. 7:27B-2. Conduct such test each day until the opacity problem is successfully corrected. [N.J.A.C. 7:27-22.16(o)]
4	Opacity <= 20 % exclusive of visible condensed water vapor, except a three minute period in any consecutive 30-minute period. [N.J.A.C. 7:27-6.2(d)] &. [N.J.A.C. 7:27- 6.2(e)]	None.	None.	None.
5	Thermal oxidizer fuel limited to natural gas. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
6	SO2 <= 300 lb/hr. The emission limit applies at all time including startup and shutdown. [N.J.A.C. 7:27- 7.2(b)2]	None.	None.	None.
7	VOC (Total) <= 30 tons/yr. [N.J.A.C. 7:27-22.16(e)]	VOC (Total): Monitored by calculations annually. [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27-22.16(o)]	None.
8	TXS <= 5.55 tons/yr. [N.J.A.C. 7:27-22.16(a)]	TXS: Monitored by calculations annually. [N.J.A.C. 7:27-22.16(o)]	TXS: Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
9	SO2 <= 9.03 tons/yr. [N.J.A.C. 7:27-22.16(a)]	SO2: Monitored by calculations annually. [N.J.A.C. 7:27-22.16(o)]	SO2: Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27-22.16(o)]	None.
10	TSP <= 7.55 tons/yr. [N.J.A.C. 7:27-22.16(a)]	TSP: Monitored by calculations annually. [N.J.A.C. 7:27-22.16(o)]	TSP: Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27-22.16(o)]	None.
11	PM-10 (Total) <= 8.58 tons/yr. [N.J.A.C. 7:27-22.16(a)]	PM-10 (Total): Monitored by calculations annually. [N.J.A.C. 7:27-22.16(o)]	PM-10 (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27-22.16(o)]	None.
12	CO <= 55.2 tons/yr. [N.J.A.C. 7:27-22.16(e)]	CO: Monitored by calculations annually. [N.J.A.C. 7:27-22.16(o)]	CO: Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27-22.16(o)]	None.
13	NOx (Total) <= 8.98 tons/yr. [N.J.A.C. 7:27-22.16(e)]	NOx (Total): Monitored by calculations annually. [N.J.A.C. 7:27-22.16(o)]	NOx (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27-22.16(o)]	None.
14	HAPs (Total) <= 7.16 tons/yr. [N.J.A.C. 7:27-22.16(a)]	HAPs (Total): Monitored by calculations annually. [N.J.A.C. 7:27-22.16(o)]	HAPs (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27-22.16(o)]	None.
15	Hydrogen chloride <= 1.06 tons/yr. [N.J.A.C. 7:27-22.16(a)]	Hydrogen chloride: Monitored by calculations annually. [N.J.A.C. 7:27-22.16(o)]	Hydrogen chloride: Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27-22.16(o)]	None.
16	Benzene <= 0.39 tons/yr. [N.J.A.C. 7:27-22.16(a)]	Benzene: Monitored by calculations annually. [N.J.A.C. 7:27-22.16(o)]	Benzene: Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27-22.16(o)]	None.
17	Chloroform <= 3.28 tons/yr. [N.J.A.C. 7:27-22.16(a)]	Chloroform: Monitored by calculations annually. [N.J.A.C. 7:27-22.16(o)]	Chloroform: Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27-22.16(o)]	None.
18	Ethylene dichloride <= 1.84 tons/yr. [N.J.A.C. 7:27-22.16(a)]	Ethylene dichloride: Monitored by calculations annually. [N.J.A.C. 7:27-22.16(o)]	Ethylene dichloride: Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
19	Butadiene (1,3-) <= 0.412 tons/yr. [N.J.A.C. 7:27-22.16(a)]	Butadiene (1,3-): Monitored by calculations annually. [N.J.A.C. 7:27-22.16(o)]	Butadiene (1,3-): Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27-22.16(o)]	None.
20	Acrylonitrile <= 0.04 tons/yr. [N.J.A.C. 7:27-22.16(a)]	Acrylonitrile: Monitored by calculations annually. [N.J.A.C. 7:27-22.16(o)]	Acrylonitrile: Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27-22.16(o)]	None.
21	Vinyl acetate <= 0.1 tons/yr. [N.J.A.C. 7:27-22.16(a)]	Vinyl acetate: Monitored by calculations annually. [N.J.A.C. 7:27-22.16(o)]	Vinyl acetate: Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27-22.16(o)]	None.
22	Tetrachloroethane (1,1,2,2-) <= 0.039 tons/yr. [N.J.A.C. 7:27-22.16(a)]	Tetrachloroethane (1,1,2,2-): Monitored by calculations annually. [N.J.A.C. 7:27-22.16(o)]	Tetrachloroethane (1,1,2,2-): Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27-22.16(o)]	None.
23	VOC (Total) <= 6.86 lb/hr. [N.J.A.C. 7:27-22.16(e)]	VOC (Total): Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs. See U16, OS Summary. [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). See U16, OS Summary. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See U16, OS Summary. [N.J.A.C. 7:27-22.16(o)]
24	TXS <= 1.27 lb/hr. [N.J.A.C. 7:27-22.16(e)]	TXS: Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs. See U16, OS Summary. [N.J.A.C. 7:27-22.16(o)]	TXS: Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). See U16, OS Summary. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See U16, OS Summary. [N.J.A.C. 7:27-22.16(o)]
25	TSP <= 1.72 lb/hr. [N.J.A.C. 7:27-22.16(a)]	TSP: Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs See U16, OS Summary. [N.J.A.C. 7:27-22.16(o)]	TSP: Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). See U16, OS Summary. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See U16, OS Summary. [N.J.A.C. 7:27-22.16(o)]
26	PM-10 (Total) <= 1.96 lb/hr. [N.J.A.C. 7:27-22.16(a)]	PM-10 (Total): Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs. See stack testing requirements U16 OS Summary. [N.J.A.C. 7:27-22.16(a)]	PM-10 (Total): Recordkeeping by stack test results every 5 years (based on completion date of the last stack test) See U16, OS Summary. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule See stack testing requirements U16 OS Summary. [N.J.A.C. 7:27-22.16(0)]

U16 Zimpro Odor Control System (CD7 and CD8)
OS Summary

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
27	SO2 <= 2.06 lb/hr . [N.J.A.C. 7:27-22.16(a)]	SO2: Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs. See U16, OS Summary. [N.J.A.C. 7:27-22.16(o)]	SO2: Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). See U16, OS Summary. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See U16, OS Summary. [N.J.A.C. 7:27-22.16(o)]
28	CO <= 12.6 lb/hr. [N.J.A.C. 7:27-22.16(e)]	CO: Monitored by stack emission testing every 5 years (based on completion date of the last stack test) based on the average of three Department validated stack test runs. See U16, OS Summary. [N.J.A.C. 7:27-22.16(o)]	CO: Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). See U16, OS Summary. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See U16, OS Summary. [N.J.A.C. 7:27-22.16(o)]
29	NOx (Total) <= 2.05 lb/hr. [N.J.A.C. 7:27-22.16(e)]	NOx (Total): Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs. See U16, OS Summary. [N.J.A.C. 7:27-22.16(o)]	NOx (Total): Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). See U16, OS Summary. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See U16, OS Summary. [N.J.A.C. 7:27-22.16(o)]
30	HAPs (Total) <= 1.64 lb/hr. [N.J.A.C. 7:27-22.16(e)]	HAPs (Total): Monitored by calculations every 5 years (based on completion date of the last stack test) from the stack test results required by U16, OS Summary Ref. #1. [N.J.A.C. 7:27-22.16(o)]	HAPs (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system every 5 years (based on completion date of the last stack test). [N.J.A.C. 7:27-22.16(o)]	None.
31	Hydrogen chloride <= 0.24 lb/hr. [N.J.A.C. 7:27-22.16(e)]	Hydrogen chloride: Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs See U16, OS Summary. [N.J.A.C. 7:27-22.16(o)]	Hydrogen chloride: Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). See U16, OS Summary. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See U16, OS Summary. [N.J.A.C. 7:27-22.16(o)]
32	Benzene <= 0.09 lb/hr. [N.J.A.C. 7:27-22.16(e)]	Benzene: Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs See U16, OS Summary. [N.J.A.C. 7:27-22.16(o)]	Benzene: Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). See U16, OS Summary. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See U16, OS Summary. [N.J.A.C. 7:27-22.16(o)]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
33	Chloroform <= 0.75 lb/hr. [N.J.A.C. 7:27-22.16(e)]	Chloroform: Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs See U16, OS Summary. [N.J.A.C. 7:27-22.16(o)]	Chloroform: Recordkeeping by stack test results every 5 years (based on completion date of the last stack test) See U16, OS Summary. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See U16, OS Summary. [N.J.A.C. 7:27-22.16(o)]
34	Ethylene dichloride <= 0.42 lb/hr. [N.J.A.C. 7:27-22.16(e)]	Ethylene dichloride: Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs See U16, OS Summary. [N.J.A.C. 7:27-22.16(o)]	Ethylene dichloride: Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). See U16, OS Summary. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See U16, OS Summary. [N.J.A.C. 7:27-22.16(o)]
35	Tetrachloroethane (1,1,2,2-) <= 0.009 lb/hr. [N.J.A.C. 7:27-22.16(e)]	Tetrachloroethane (1,1,2,2-): Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs See U16, OS Summary. [N.J.A.C. 7:27-22.16(o)]	Tetrachloroethane (1,1,2,2-): Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). See U16, OS Summary. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See U16, OS Summary. [N.J.A.C. 7:27-22.16(o)]
36	Butadiene (1,3-) <= 0.094 lb/hr. [N.J.A.C. 7:27-22.16(a)]	Butadiene (1,3-): Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs See U16, OS Summary. [N.J.A.C. 7:27-22.16(o)]	Butadiene (1,3-): Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). See U16, OS Summary. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See U16, OS Summary. [N.J.A.C. 7:27-22.16(o)]
37	Acrylonitrile <= 0.01 lb/hr. [N.J.A.C. 7:27-22.16(a)]	Acrylonitrile: Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs See U16, OS Summary. [N.J.A.C. 7:27-22.16(o)]	Acrylonitrile: Recordkeeping by stack test results every 5 years (based on completion date of the last stack test) See U16, OS Summary. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See U16, OS Summary. [N.J.A.C. 7:27-22.16(o)]
38	Vinyl acetate <= 0.023 lb/hr. [N.J.A.C. 7:27-22.16(a)]	Vinyl acetate: Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs See U16, OS Summary. [N.J.A.C. 7:27-22.16(o)]	Vinyl acetate: Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). See U16, OS Summary. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See U16, OS Summary. [N.J.A.C. 7:27-22.16(o)]
39	All emissions from this emission unit shall be exhausted through either thermal oxidizer control device. (CD7 or CD8) [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

U16 Zimpro Odor Control System (CD7 and CD8)
OS Summary

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
40	Each of the thermal oxidizers (CD7 and CD8) shall have a minimum demonstrated efficiency for Total VOC destruction of no less than 98 percent by weight or 50 ppm as methane (by volume, on a dry basis, corrected to 7% oxygen) outlet concentration, whichever is greater. [N.J.A.C. 7:27-22.16(e)]	Monitored by stack emission testing every 5 years (based on completion date of the last stack test). See U16, OS Summary. [N.J.A.C. 7:27-22.16(o)]	Stack test results. See U16, OS Summary. Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See U16, OS Summary. [N.J.A.C. 7:27-22.16(o)]
41	Minimum Operating Temperature at the Exit of the Combustion Section >= 1,500 degrees F for each thermal Oxidizer (CD7 and CD8). [N.J.A.C. 7:27-22.16(e)]	Minimum Operating Temperature at the Exit of the Combustion Section: Monitored by temperature instrument continuously, based on an instantaneous determination. An alarm shall sound when temperatures less than 1500 F are detected at any time during operation. [N.J.A.C. 7:27-22.16(o)]	Minimum Operating Temperature at the Exit of the Combustion Section: Recordkeeping by strip chart or data acquisition (DAS) system continuously. [N.J.A.C. 7:27-22.16(o)]	None.
42	CO <= 100 ppmvd uncorrected for O2 concentrations in the flue gas. [N.J.A.C. 7:27-22.16(e)]	CO: Monitored by continuous emission monitoring system continuously , based on any 60 minute period. The CEM shall conform to the performance specifications in 40 CFR 60, Appendix B. [N.J.A.C. 7:27-22.16(o)]	CO: Recordkeeping by by strip chart or data acquisition (DAS) system continuously. The continuous recorder shall conform to the performance and siting specified in 40 CFR 60, Appendix B and F, as applicable.[N.J.A.C. 7:27-22.16(o)].	Submit an Excess Emissions and Monitoring Systems Performance Report (EEMPR): On or before every April 30, July 30, October 30, and January 30 for the preceding quarter year (the quarter years begin on January 1, April 1, July 1, and October 1) electronically through the NJDEP online EEMPR web portal. [N.J.A.C. 7:27-22.16(o)]
43	The owner or operator shall develop a QA/QC plan for all CEMS/COMS required by this permit prepared in accordance with the NJDEP Technical Manual 1005 posted on the AQPP webpage at ttp://www.state.nj.us/dep/aqpp. [N.J.A.C. 7:27-22.16(a)]	Other: The QA/QC coordinator shall be responsible for reviewing the QA/QC plan on an annual basis.[N.J.A.C. 7:27-22.16(0)].	Other: Maintain readily accessible records of the QA/QC plan including QA date and quarterly reports.[N.J.A.C. 7:27-22.16(0)].	None.
44	The operation of the Zimpro units shall be limited to nine (9) of twelve (12) units at any time. [N.J.A.C. 7:27-22.16(a)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system daily indicating which Zimpro unit is in operation. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U17 Lime Bin #1 and #2, each with baghouse for particulate control (CD9 and CD10)**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Opacity <= 20 % exclusive of visible condensed water vapor, except a three minute period in any consecutive 30-minute period. [N.J.A.C. 7:27-6.2(d)] &. [N.J.A.C. 7:27- 6.2(e)]	None.	None.	None.
2	TSP <= 0.5 lb/hr maximum allowable particulate emission rate from source emission point based on 99% efficiency of collection or based on 0.02 grains per SCF of stack gas flow as determined in the Table at N.J.A.C. 7:27-6.2(a). [N.J.A.C. 7:27- 6.2]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
3	The owner or operator shall use this emission unit in a manner which will cause no visible emissions exclusive of condensed water vapor. [N.J.A.C. 7:27-22.16(e)]	Monitored by visual determination each month during operation, based on an instantaneous determination. Conduct visual opacity inspections during daylight hours to identify if the stack has visible emissions, other than condensed water vapor. Select an observation position enabling clear view of emission point(s), minimum 15 feet away without sunlight shining directly into the eyes. Observe for a minimum duration of 30 minutes. Clock observation with two stopwatches starting the 1st watch at the commencement of the 30-minute observation period and starting and stopping the 2nd watch every time visible emissions are first seen and when they cease, and record the observation. If visible emissions are observed for more than 3 minutes in the 30-consecutive minutes: (1) Verify the equipment and/or control device causing visible emissions is operating according to manufacturer's specifications. If it is not operating properly, take corrective action immediately to eliminate the excess emissions. (2) If the opacity problem is not corrected within 24 hours, perform a check via a certified opacity reader, in accordance with N.J.A.C. 7:27B-2. Conduct such test each day until the opacity problem is successfully corrected. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation in a bound log book or by electronic data storage in readily accessible computer memories each month during operation. The permittee must retain the following records: (1) Date and time of inspection; (2) Emission Point number; (3) Operational status of equipment; (4) Observed results and conclusions; (5) Description of corrective action taken if needed; (6) Date and time opacity problem was solved, if applicable; (7) N.J.A.C. 7:27B-2 results if conducted; and (8) Name(s) of person(s) conducting inspection. [N.J.A.C. 7:27-22.16(o)]	None.
4	Raw materials limited to lime. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
5	Bin capacity <= 1,000 cubic feet each. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
6	Hours of Operation <= 4,380 hr/yr each bin. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	The control devices (CD9 and CD10) shall be maintained to comply with the design and control efficiencies specified in the control device details section of the application for this operating permit. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Each bin shall vent to its baghouse at all times. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
9	The permittee shall inspect and maintain the dust collectors at least annually and replace the filter media on a schedule which will ensure the dust collector efficiency is maintained. The dust collectors shall be operated and maintained in accordance with the manufacturer's recommendations. [N.J.A.C. 7:27-22.16(a)]	Monitored by visual determination annually. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. Each instance of dust collector maintenance and filter media replacement shall be recorded. [N.J.A.C. 7:27-22.16(o)]	None.
10	TSP <= 0.05 lb/hr. Maximum emission rate for each bin. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U19 Sludge Storage & Loading Building**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Opacity <= 20 % , exclusive of visible condensed water vapor, except a three minute period in any consecutive 30-minute period. [N.J.A.C. 7:27-6.2(d)] &. [N.J.A.C. 7:27- 6.2(e)]	None.	None.	None.
2	No visible emissions exclusive of condensed water vapor. [N.J.A.C. 7:27-22.16(e)]	Monitored by visual determination each month during operation Conduct visual opacity inspections during daylight hours to identify if the stack has visible emissions, other than condensed water vapor. Select an observation position enabling clear view of emission point(s), minimum 15 feet away without sunlight shining directly into the eyes. Observe for a minimum duration of 30 minutes. Clock observation with two stopwatches starting the 1st watch at the commencement of the 30-minute observation period and starting and stopping the 2nd watch every time visible emissions are first seen and when they cease, and record the observation. If visible emissions are observed for more than 3 minutes in the 30-consecutive minutes: (1) Verify the equipment and/or control device causing visible emissions is operating according to manufacturer's specifications. If it is not operating properly, take corrective action immediately to eliminate the excess emissions. (2) If the opacity problem is not corrected within 24 hours, perform a check via a certified opacity reader, in accordance with N.J.A.C. 7:27B-2. Conduct such test each day until the opacity problem is successfully corrected. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation The permittee must retain the following records: (1) Date and time of inspection; (2) Emission Point number; (3) Operational status of equipment; (4) Observed results and conclusions; (5) Description of corrective action taken if needed; (6) Date and time opacity problem was solved, if applicable; (7) N.J.A.C. 7:27B-2 results if conducted; and (8) Name of person(s) conducting inspection. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
3	VOC (Total) <= 3.5 lb/hr. Maximum allowable emission rate as determined from Tables 16A and 16B, based on VOC vapor pressure and percent VOC in source gas. [N.J.A.C. 7:27-16.16(c)]	Other: Maintain process records sufficient to demonstrate whether the VOC emission rate from actual operations does not exceed the VOC emission rate under operating conditions.[N.J.A.C. 7:27-16.16(g)1].	Other: The owner or operator shall maintain process records sufficient to demonstrate whether the VOC emission rate from actual operations does not exceed the VOC emission rate under operating conditions. For each different kind of batch or continuous process for which the source operation is used record the following information determined in accordance with the Procedure for Using Table 16A: 1. The chemical name and vapor pressure of each VOC used. 2. The percent concentration by volume of VOC in the source gas 3. The volumetric gas flow rate 4. The source gas range classification 5. The maximum allowable emission rate 6. Record the maximum actual emission rate. 7. Maintain any calculation and test data used to determine the actual emission rate. 8. If the source operation is used for more than one process, the dates the source operation is used. or Maintain process records sufficient to demonstrate whether the VOC emission rate from actual operations does not exceed the VOC emission rate under operating conditions for emissions after any control.[N.J.A.C. 7:27-16.16(g)1].	None.
4	VOC (Total) <= 1.88 tons/yr. Annual emission limit from preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	VOC (Total): Monitored by calculations annually. [N.J.A.C. 7:27-22.16(e)]	VOC (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27-22.16(e)]	None.
5	Ammonia <= 19.7 tons/yr. Annual emission limit from preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	Ammonia: Monitored by calculations annually. [N.J.A.C. 7:27-22.16(e)]	Ammonia: Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27-22.16(e)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
6	Any HAP not listed with an annual emission limit within the requirements shall not be emitted from any source at a rate that exceeds the applicable reporting threshold specified in N.J.A.C.7:27-22, Appendix, Table B. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U19 Sludge Storage & Loading Building**
Operating Scenario: **OS1 Sludge loading building ventilation system**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	VOC (Total) <= 0.43 lb/hr. Maximum emission rate from preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	VOC (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Recordkeeping by manual logging of parameter initial calculations only. [N.J.A.C. 7:27-22.16(o)]	None.
2	Ammonia <= 4.5 lb/hr. Maximum emission rate from preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	Ammonia: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Ammonia: Recordkeeping by manual logging of parameter initial calculations only. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U20 Sludge Heat Treatment Boilers #1 - #4. (67.1 MMBtu/hr each) Only 3 run at once. Firing NG. Subject to NSPS Subparts A & Dc**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	STACK TESTING SUMMARY The permittee shall conduct a stack test at least 18 months prior to the expiration of the initial or renewed operating permit using an approved protocol to demonstrate compliance with emission limits for CO and NOx as specified in the compliance plan for OS1. Testing must be conducted at worst-case permitted operating conditions with regard to meeting the applicable emission standards, but without creating an unsafe condition. [N.J.A.C. 7:27-22.16(a)]	Other: Monitoring as required under OS1.[N.J.A.C. 7:27-22.16(o)].	Other: Recordkeeping as required under OS1.[N.J.A.C. 7:27-22.16(o)].	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. Submit a stack test protocol to the Bureau of Technical Services (BTS) at Mail Code: 380-01A, PO Box 420, Trenton, NJ 08625 at least 30 months prior to the expiration of the approved operating permit. The protocol and test report must be prepared and submitted on a CD using the Electronic Reporting Tool (ERT), unless another format is approved by BTS. The ERT program can be downloaded at: http://www.epa.gov/ttnchie1/ert. Within 30 days of protocol approval or no less than 60 days prior to the testing deadline, whichever is later, the permittee must contact BTS at 609-530-4041 to schedule a mutually acceptable test date. A full stack test report must be submitted to BTS and a certified summary test report must be submitted to the Regional Enforcement Office within 45 days after performing the stack test pursuant to N.J.A.C. 7:27-22.19(d). The test results must be certified by a licensed professional engineer or certified industrial hygienist. [N.J.A.C. 7:27-22.18(e)] and . [N.J.A.C. 7:27-22.18(h)]
2	No visible emissions except for a period of not longer than three minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-3.2(a)] & [N.J.A.C. 7:27- 3.2(c)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
3	Opacity <= 10 % exclusive of visible condensed water vapor, except for a period not longer than three minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
4	Particulate Emissions <= 12.7 lb/hr. Particulate emission limit from the combustion of fuel based on rated heat input of each source (67.1 MMBtu/hr). [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
5	The owner or operator of an industrial/commercial/institutional boiler or other indirect heat exchanger with a gross heat input of at least five million BTU per hour or more shall adjust the combustion process annually in the same quarter of each calendar year. The adjustment of the combustion process shall be done in accordance with the procedure set forth at N.J.A.C. 7:27-19.16. [N.J.A.C. 7:27-16.8(b)], [N.J.A.C. 7:27-16.8(c)] and [N.J.A.C. 7:27-19.7(g)]	Monitored by periodic emission monitoring annually. The owner or operator shall perform the adjustment of the combustion process in accordance with the specific procedures for combustion adjustment monitoring specified in NJDEP Technical Manual 1005 and the procedure set forth at N.J.A.C. 7:27-19.16(a) as follows: 1.Inspect the burner, and clean or replace any components of the burner as necessary; 2. Inspect the flame pattern and make any adjustments to the burner necessary to optimize the flame pattern consistent with the manufacturer's specifications; 3. Inspect the system controlling the air-to-fuel ratio, and ensure that it is correctly calibrated and functioning properly; 4. Minimize the total emissions of NOx and CO consistent with the manufacturer's specifications; 5. Measure the concentrations in the effluent stream of NOx, CO and O2 in ppmvd, before and after the adjustment is made; and 6. Convert the emission values of NOx, CO and O2 concentrations measured in lb/MMBTU according to the following formula: Lb/MMBTU = ppmvd * MW * F dry factor * O2 correction factor/387,000,000, where: ppmvd is the concentration in parts per million by volume, dry basis, of NOx or CO; MW is the Molecular Weight for NOx=46 lb/lb-mole, CO=28 lb/lb-mole; F Dry factor for: Natural Gas = 8,710 dscf/MMBTU, Residual or fuel oil = 9,190 dscf/MMBTU; O2 correction factor: (20.9%)/(20.9% - O2 measured), where O2 measured is percent oxygen on a dry basis. [N.J.A.C. 7:27-19.16(a)]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon performing combustion adjustment of the following information for each adjustment: 1. The date of the adjustment and the times at which it began and ended; 2. The name, title and affiliation of the person who made the adjustment; 3. The NOx and CO concentrations in the effluent stream, in ppmvd, before and after each actual adjustment was made; 4. The concentration of O2 (in percent dry basis) at which the CO and NOx concentrations were measured; 5. A description of any corrective action taken; 6. Results from any subsequent test performed after taking any corrective action, including concentrations and converted emission values in (lb/MMBTU); 7. The type and amount of fuel used over the 12 months prior to the annual adjustment; 8. Any other information which the Department or the EPA has required as a condition of approval of any permit or certificate issued for the source operation. The records must be retained for a minimum of five years and to be made readily accessible to the Department upon request. [N.J.A.C. 7:27-19.16(b)]	Submit a report: Annually. The owner or operator shall submit an annual adjustment combustion process report to the department within 45 days after the adjustment of the combustion process is completed. The report shall be submitted electronically to: www.njdeponline.com. Instructions for submitting this report online are specified at: http://www.nj.gov/dep/aqpp/adjustment.htm. [N.J.A.C. 7:27-19.16(d)] and [N.J.A.C. 7:27-19.16(c)]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
6	The owner or operator of the adjusted equipment or source operation shall ensure that the operating parameter settings are established and recorded after the combustion process is adjusted and that the adjusted equipment or source operation is maintained to operate consistent with the annual adjustment. [N.J.A.C. 7:27-19.16(e)]	Other: Monitor and maintain the operating parameter settings that are established after the combustion process is adjusted in order to operate consistent with the annual adjustment.[N.J.A.C. 7:27-22.16(o)].	Other: The owner or operator shall record the operating parameter settings that are established after the combustion process is adjusted[N.J.A.C. 7:27-19.16(e)].	None.
7	NOx (Total) <= 0.05 lb/MMBTU when firing natural gas. [N.J.A.C. 7:27-19.7(i)]	None.	None.	None.
8	Boiler fuel limited to natural gas. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
9	Only three boilers shall operate at a time, from preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	Other: Maintain production records indicating when each boiler is operating. Each change of use.[N.J.A.C. 7:27-22.16(o)].	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event Record the following for each boiler: 1.) Brief description, location, and stack designation of the boiler; and 2.) Date and start time, date and end time, and amount of fuel combusted. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
10	Natural Gas Usage <= 1,382 MMft^3 in any consecutive 12 month period, from preconstruction permit. (total for four boilers) Based on limit of 1,410,000 MMBtu/yr (HHV) and natural gas at 1020 BTU/ft^3. [N.J.A.C. 7:27-22.16(e)]	Other: Fuel Flow / Firing Rate Instruments. Continuously.[N.J.A.C. 7:27-22.16(e)].	Natural Gas Usage: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. Total fuel use for all four boilers. Cubic feet per consecutive 12-month period shall be calculated by the sum of the cubic feet consumed during any one month added to the sum of the cubic feet consumed during the preceding 11 months. This procedure will begin with the first full month following the final issuance of the Operating Permit. This accounting will not include fuel consumption during months prior to the approval of the Operating Permit. The permittee will select the time period for accounting, such as fiscal month, calendar month, or production month. Once selected, the period must not be changed without prior approval from NJDEP. [N.J.A.C. 7:27-22.16(o)]	None.
11	Maximum Gross Heat Input <= 67.1 MMBTU/hr (HHV) (each boiler), from preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	None.	Other: Maintain documentation of burner rated capacity.[N.J.A.C. 7:27-22.16(o)].	None.
12	The permittee shall operate, and maintain low NOx burners on each boiler. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
13	Operate the flue gas recirculation system when each boiler is operating. The designed minimum flue gas recirculation rate shall be 14%. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
14	VOC (Total) <= 1.94 tons/yr annual emission limit on all boilers from preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	VOC (Total): Monitored by calculations annually. [N.J.A.C. 7:27-22.16(e)]	VOC (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27-22.16(e)]	None.
15	NOx (Total) <= 35.26 tons/yr annual emission limit on all boilers from preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	NOx (Total): Monitored by calculations annually. [N.J.A.C. 7:27-22.16(e)]	NOx (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27-22.16(e)]	None.

U20 Sludge Heat Treatment Boilers #1 - #4. (67.1 MMBtu/hr each) Only 3 r

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
16	CO <= 35.26 tons/yr annual emission limit on all boilers from preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	CO: Monitored by calculations annually. [N.J.A.C. 7:27-22.16(e)]	CO: Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27-22.16(e)]	None.
17	SO2 <= 0.42 tons/yr annual emission limit on all boilers from preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	SO2: Monitored by calculations annually. [N.J.A.C. 7:27-22.16(e)]	SO2: Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27-22.16(e)]	None.
18	TSP <= 3.47 tons/yr annual emission limit on all boilers from preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	TSP: Monitored by calculations annually. [N.J.A.C. 7:27-22.16(e)]	TSP: Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27-22.16(e)]	None.
19	PM-10 (Total) <= 3.47 tons/yr annual emission limit on all boilers from preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	PM-10 (Total): Monitored by calculations annually. [N.J.A.C. 7:27-22.16(e)]	PM-10 (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27-22.16(e)]	None.
20	The owner or operator shall comply, as applicable, with the standards required in 40 CFR 60. (NSPS Subpart A & Subpart Dc). See GR1. [40 CFR 60]	Other: The owner or operator shall comply, as applicable, with the monitoring requirements as required in 40 CFR 60. (NSPS Subpart A& Dc)[40 CFR 60].	Other: The owner or operator shall comply, as applicable, with the recordkeeping requirements as required in 40 CFR 60. (NSPS Subpart A & Dc)[40 CFR 60].	Comply with the requirement: As per the approved schedule , the owner or operator shall comply, as applicable, with the submittal/action requirements as required in 40 CFR 60. The owner or operator shall submit all required reports to the EPA and NJDEP Regional Enforcement Office. (NSPS Subpart A& Dc). [40 CFR 60]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U20 Sludge Heat Treatment Boilers #1 - #4. (67.1 MMBtu/hr each) Only 3 run at once. Firing NG. Subject to NSPS Subparts A & Dc**

Operating Scenario: **OS1 Sludge heat treatment boiler #1 firing natural gas., OS2 Sludge heat treatment boiler #2 firing natural gas., OS3 Sludge heat treatment boiler #3 firing natural gas., OS4 Sludge heat treatment boiler #4 firing natural gas.**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Maximum emission rate from preconstruction permit. VOC (Total) <= 0.18 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
2	VOC (Total) <= 50 ppmvd @ 7% O2 (VOC RACT). [N.J.A.C. 7:27-16.8(b)1]	None.	None.	None.
3	VOC (Total) <= 0.0027 lb/MMBTU maximum emission rate from preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
4	NOx (Total) <= 3.36 lb/hr maximum emission rate from preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	NOx (Total): Monitored by stack emission testing prior to permit expiration date, based on the average of three Department validated stack test runs. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	NOx (Total): Recordkeeping by stack test results upon occurrence of event See stack testing requirements OS Summary. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule See stack testing requirements OS Summary. [N.J.A.C. 7:27-22.16(o)]
5	NOx (Total) <= 31 ppmvd @ 7% O2 maximum emission rate from preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	NOx (Total): Monitored by stack emission testing prior to permit expiration date, based on the average of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)]	NOx (Total): Recordkeeping by stack test results upon occurrence of event See stack testing requirements OS Summary. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule See stack testing requirements OS Summary. [N.J.A.C. 7:27-22.16(o)]
6	NOx (Total) <= 0.05 lb/MMBTU maximum emission rate from preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	NOx (Total): Monitored by stack emission testing prior to permit expiration date, based on the average of three Department validated stack test runs. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	NOx (Total): Recordkeeping by stack test results upon occurrence of event See stack testing requirements OS Summary. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule See stack testing requirements OS Summary. [N.J.A.C. 7:27-22.16(o)]
7	CO <= 3.36 lb/hr maximum emission rate from preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	CO: Monitored by stack emission testing prior to permit expiration date based on the average of three Department validated stack test runs. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	CO: Recordkeeping by stack test results upon occurrence of event See stack testing requirements OS Summary. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule See stack testing requirements OS Summary. [N.J.A.C. 7:27-22.16(o)]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
8	CO <= 100 ppmvd @ 7% O2 (VOC RACT). [N.J.A.C. 7:27-16.8(b)2]	CO: Monitored by stack emission testing prior to permit expiration date, based on the average of three Department validated stack test runs. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-16.8(b)2]	CO: Recordkeeping by stack test results upon occurrence of event See stack testing requirements OS Summary. [N.J.A.C. 7:27-16.8(b)2]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule See stack testing requirements OS Summary. [N.J.A.C. 7:27-16.8(b)2]
9	CO <= 50 ppmvd @ 7% O2 maximum emission rate from preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	CO: Monitored by stack emission testing prior to permit expiration date, based on the average of three Department validated stack test runs. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	CO: Recordkeeping by stack test results upon occurrence of event See stack testing requirements OS Summary. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule See stack testing requirements OS Summary. [N.J.A.C. 7:27-22.16(o)]
10	CO <= 0.05 lb/MMBTU maximum emission rate from preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	CO: Monitored by stack emission testing prior to permit expiration date, based on the average of three Department validated stack test runs. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	CO: Recordkeeping by stack test results upon occurrence of event See stack testing requirements OS Summary. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule See stack testing requirements OS Summary. [N.J.A.C. 7:27-22.16(o)]
11	SO2 <= 0.04 lb/hr maximum emission rate from preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
12	SO2 <= 0.0006 lb/MMBTU maximum emission rate from preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
13	TSP <= 0.33 lb/hr maximum emission rate from preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
14	TSP <= 0.0049 lb/MMBTU maximum emission rate from preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
15	PM-10 (Total) <= 0.33 lb/hr maximum emission rate from preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
16	PM-10 (Total) <= 0.0049 lb/MMBTU maximum emission rate from preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U21 Sodium Hypochlorite (NaOCl) Storage Tanks #1 through #5, 30,000 gallons each**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	The content of the five tanks in this emission unit is limited to sodium hypochlorite from BOP070001. [N.J.A.C. 7:27-22.16(a)]	Other: The permittee shall review, for each delivery, the MSDS and/or delivery records, vapor pressure data to ensure maximum limits are not exceeded. Once per delivery.[N.J.A.C. 7:27-22.16(o)].	Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. The permittee shall maintain all records in either a bound logbook or in readily accessible computer memories. Supporting documentation shall include product formulation data (MSDS), delivery records, and vapor pressure data. [N.J.A.C. 7:27-22.16(o)]	None.
2	Total Throughput <= 600,000 gal/yr for each tank, from BOP070001. [N.J.A.C. 7:27-22.16(a)]	Total Throughput: Monitored by calculations annually. [N.J.A.C. 7:27-22.16(o)]	Total Throughput: Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U22 Centrifuge Facility Hot Water Heaters #1 & #2 (1.6 MMBtu/hr each) Firing NG**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	No visible emissions except for a period of not longer than three minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-3.2(a)] & [N.J.A.C. 7:27- 3.2(c)]	None.	None.	None.
2	Particulate Emissions <= 1.92 lb/hr. Particulate emission limit from the combustion of fuel based on rated heat input of source. (Two heaters to one stack, 3.2 MMBtu/hr total). [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
3	Heater fuel limited to natural gas. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
4	Maximum Gross Heat Input <= 1.6 MMBTU/hr (HHV) for each heater, from preconstruction permit, is 1.6 MMBtu/hr (HHV). [N.J.A.C. 7:27-22.16(e)]	None.	Other: Maintain documentation of burner rated capacity.[N.J.A.C. 7:27-22].	None.
5	NOx (Total) <= 1.4 tons/yr annual emission limit for both heaters based on total combined annual fuel use. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
6	Natural Gas Usage <= 13.74 MMft^3/yr in any consecutive 12 month period for each boiler. [N.J.A.C. 7:27-22.16(a)]	Natural Gas Usage: Monitored by fuel flow/firing rate instrument continuously. [N.J.A.C. 7:27-22.16(o)]	Natural Gas Usage: Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27-22.16(e)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U22 Centrifuge Facility Hot Water Heaters #1 & #2 (1.6 MMBtu/hr each) Firing NG**
Operating Scenario: **OS1 Hot Water Heater #1, OS2 Hot Water Heater #2**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	NOx (Total) <= 0.16 lb/hr maximum emission rate from preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
2	Maximum emission rate. TSP < 0.05 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U23 Sludge Filter Presses**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	VOC (Total) <= 3.5 lb/hr. Maximum allowable emission rate as determined from Tables 16A and 16B, based on VOC vapor pressure and percent VOC in source gas. [N.J.A.C. 7:27-16.16(c)]	Other: Maintain process records sufficient to demonstrate whether the VOC emission rate from actual operations does not exceed the VOC emission rate under operating conditions.[N.J.A.C. 7:27-16.16(g)1].	Other: The owner or operator shall maintain process records sufficient to demonstrate whether the VOC emission rate from actual operations does not exceed the VOC emission rate under operating conditions. For each different kind of batch or continuous process for which the source operation is used record the following information determined in accordance with the Procedure for Using Table 16A: 1. The chemical name and vapor pressure of each VOC used. 2. The percent concentration by volume of VOC in the source gas 3. The volumetric gas flow rate 4. The source gas range classification 5. The maximum allowable emission rate 6. Record the maximum actual emission rate. 7. Maintain any calculation and test data used to determine the actual emission rate. 8. If the source operation is used for more than one process, the dates the source operation is used. or Maintain process records sufficient to demonstrate whether the VOC emission rate from actual operations does not exceed the VOC emission rate under operating conditions for emissions after any control.[N.J.A.C. 7:27-16.16(g)1].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
2	No visible emissions exclusive of condensed water vapor. [N.J.A.C. 7:27-22.16(e)]	Monitored by visual determination each month during operation. Conduct visual opacity inspections during daylight hours to identify if the stack has visible emissions, other than condensed water vapor. Select an observation position enabling clear view of emission point(s), minimum 15 feet away without sunlight shining directly into the eyes. Observe for a minimum duration of 30 minutes. Clock observation with two stopwatches starting the 1st watch at the commencement of the 30-minute observation period and starting and stopping the 2nd watch every time visible emissions are first seen and when they cease, and record the observation. If visible emissions are observed for more than 3 minutes in the 30-consecutive minutes: (1) Verify the equipment and/or control device causing visible emissions is operating according to manufacturer's specifications. If it is not operating properly, take corrective action immediately to eliminate the excess emissions. (2) If the opacity problem is not corrected within 24 hours, perform a check via a certified opacity reader, in accordance with N.J.A.C. 7:27B-2. Conduct such test each day until the opacity problem is successfully corrected. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation The permittee must retain the following records: (1) Date and time of inspection; (2) Emission Point number; (3) Operational status of equipment; (4) Observed results and conclusions; (5) Description of corrective action taken if needed; (6) Date and time opacity problem was solved, if applicable; (7) N.J.A.C. 7:27B-2 results if conducted; and (8) Name of person(s) conducting inspection. [N.J.A.C. 7:27-22.16(o)]	None.
3	Opacity <= 20 % , exclusive of visible condensed water vapor, except a three minute period in any consecutive 30-minute period. [N.J.A.C. 7:27-6.2(d)] &. [N.J.A.C. 7:27- 6.2(e)]	None.	None.	None.
4	VOC (Total) <= 10.95 tons/yr annual emission limit from preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	VOC (Total): Monitored by calculations annually. [N.J.A.C. 7:27-22.16(e)]	VOC (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27-22.16(e)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
5	HAPs (Total) <= 0.55 tons/yr. [N.J.A.C. 7:27-22.16(e)]	HAPs (Total): Monitored by calculations annually. [N.J.A.C. 7:27-22.16(e)]	HAPs (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27-22.16(e)]	None.
6	Acetaldehyde <= 0.3 tons/yr. [N.J.A.C. 7:27-22.16(a)]	Acetaldehyde: Monitored by calculations annually. [N.J.A.C. 7:27-22.16(e)]	Acetaldehyde: Recordkeeping by manual logging of parameter or storing data in a computer data system annually in a bound logbook or readily accessible computer files. [N.J.A.C. 7:27-22.16(e)]	None.
7	Formaldehyde <= 0.25 tons/yr. [N.J.A.C. 7:27-22.16(a)]	Formaldehyde: Monitored by calculations annually. [N.J.A.C. 7:27-22.16(e)]	Formaldehyde: Recordkeeping by manual logging of parameter or storing data in a computer data system annually in a bound logbook or readily accessible computer files. [N.J.A.C. 7:27-22.16(e)]	None.
8	Any HAP not listed with an annual emission limit within the requirements shall not be emitted from any source at a rate that exceeds the applicable reporting threshold specified in N.J.A.C.7:27-22, Appendix, Table B. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U23 Sludge Filter Presses**
Operating Scenario: **OS1 Sludge Filter Press Operation**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	VOC (Total) <= 2.5 lb/hr maximum emission rate from preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	VOC (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Recordkeeping by manual logging of parameter initial calculations only. [N.J.A.C. 7:27-22.16(o)]	None.
2	HAPs (Total) <= 0.125 lb/hr maximum emission rate from preconstruction permit. (This includes 0.125 lb/hr Aldehydes, estimated at 0.056 lb/hr formaldehyde plus 0.069 lb/hr as acetaldehyde.). [N.J.A.C. 7:27-22.16(e)]	HAPs (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	HAPs (Total): Recordkeeping by manual logging of parameter initial calculations only. [N.J.A.C. 7:27-22.16(o)]	None.
3	Acetaldehyde <= 0.069 lb/hr. [N.J.A.C. 7:27-22.16(a)]	Acetaldehyde: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Acetaldehyde: Recordkeeping by manual logging of parameter initial calculations only. [N.J.A.C. 7:27-22.16(o)]	None.
4	Formaldehyde <= 0.056 lb/hr. [N.J.A.C. 7:27-22.16(a)]	Formaldehyde: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Formaldehyde: Recordkeeping by manual logging of parameter initial calculations only. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U24 Vehicle Paint Spray Booth with 1.7 MMBtu/hr air heater (CD6)**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 2.74 lb/hr maximum allowable particulate emission rate based on 0.02 grains per SCF. [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
2	Opacity <= 20 % exclusive of condensed water vapor, for a period longer than three minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-6.2(d)] and. [N.J.A.C. 7:27- 6.2(e)]	None.	None.	None.
3	Hours of Operation <= 500 hr/yr , from preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	Hours of Operation: Monitored by hour/time monitor per application and maintain production records. Daily. [N.J.A.C. 7:27-22.16(o)]	Hours of Operation: Recordkeeping by manual logging of parameter or storing data in a computer data system quarterly: once per quarter; quarters shall begin on January 1, April 1, July 1, and October 1 of each year in a bound logbook or readily accessible computer file. Sum the quarterly totals annually. [N.J.A.C. 7:27-22.16(o)]	None.
4	The permittee shall inspect and maintain the mat filters (CD6) and replace the filter media on a schedule which will ensure the dust collector efficiency is maintained, or daily, whichever is sooner. The mat filters shall be operated and maintained in accordance with the manufacturer's recommendations. [N.J.A.C. 7:27-22.16(a)]	Monitored by visual determination at the manufacturer's specified frequency. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. Each instance of dust collector maintenance and filter media replacement shall be recorded. [N.J.A.C. 7:27-22.16(o)]	None.
5	VOC (Total) <= 1.5 tons/yr from operating permit application. [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by calculations each month during operation. Annual emissions will be calculated from the pound per gallon VOC content times gallons of coating(s) used for the period. The VOC year-to-date total will be computed monthly and reviewed each month to ensure the annual total will not be exceeded. [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
6	Nitrogen oxides (NOx) <= 0.0405 tons/yr from operating permit application. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	CO <= 0.034 tons/yr from operating permit application. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U24 Vehicle Paint Spray Booth with 1.7 MMBtu/hr air heater (CD6)**
Operating Scenario: **OS1 Vehicle Spray Painting**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	The owner or operator shall comply with the applicable standards for the emissions of VOC as required in N.J.A.C. 7:27-16.12. [N.J.A.C. 7:27-16.12]	Other: The owner or operator shall comply, as applicable, with the monitoring requirements for other source operations as required in N.J.A.C. 7:27-16.12[N.J.A.C. 7:27-16.12].	Other: The owner or operator shall comply, as applicable, with the recordkeeping requirements for other source operations as required in N.J.A.C. 7:27-16.12.[N.J.A.C. 7:27-16.12].	None.
2	VOC Content of Any Surface Coating Formulation as Applied <= 6.5 lb/gal for automotive pretreatment , automotive primer-surfacer <= 4.8 lbs/gal , automotive primer-sealer <=4.6 lbs/gal, Single stage-topcoat or 2 stage basecoat/clearcoat <= 5.0 lbs/gal , 3 or 4 stage basecoat/clearcoat topcoat <= 5.2 lbs/gal. [N.J.A.C. 7:27-16.12(c)]	VOC Content of Any Surface Coating Formulation as Applied: Monitored by calculations per change of material. The permittee shall document that each coating is VOC compliant using the equation stated in N.J.A.C. 7:27-16.12 (d). [N.J.A.C. 7:27-22.16(o)]	VOC Content of Any Surface Coating Formulation as Applied: Recordkeeping by manual logging of parameter or storing data in a computer data system per change of material. The applicant shall maintain records of the VOC content of each surface coating formulation, and the volume of each surface coating formulation applied. The calculations to determine compliance shall be maintained. [N.J.A.C. 7:27-22.16(o)]	None.
3	VOC (Total) <= 6 lb/hr maximum emission rate. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Maximum emission rate. TSP <= 0.05 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U24 Vehicle Paint Spray Booth with 1.7 MMBtu/hr air heater (CD6)**
Operating Scenario: **OS2 Air Replacement Unit (1.7 MMBtu/hr, NG) indirect fired**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Maximum Gross Heat Input <= 1.7 MMBTU/hr (HHV) from preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	None.	Other: Maintain documentation of burner rated capacity.[N.J.A.C. 7:27-22.16(o)].	None.
2	Fuel type limited to natural gas only. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	NOx (Total) < 0.162 lb/hr maximum emission rate. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	CO <= 0.136 lb/hr maximum emission rate. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	TSP < 0.05 lb/hr maximum emission rate. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U26 Influent Fine Screens (Grandfathered)**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	VOC (Total) <= 3.5 lb/hr. Maximum allowable emission rate as determined from Tables 16A and 16B, based on VOC vapor pressure and percent VOC in source gas. [N.J.A.C. 7:27-16.16(c)]	Other: Maintain process records sufficient to demonstrate whether the VOC emission rate from actual operations does not exceed the VOC emission rate under operating conditions.[N.J.A.C. 7:27-16.16(g)1].	Other: The owner or operator shall maintain process records sufficient to demonstrate whether the VOC emission rate from actual operations does not exceed the VOC emission rate under operating conditions. For each different kind of batch or continuous process for which the source operation is used record the following information determined in accordance with the Procedure for Using Table 16A: 1. The chemical name and vapor pressure of each VOC used. 2. The percent concentration by volume of VOC in the source gas 3. The volumetric gas flow rate 4. The source gas range classification 5. The maximum allowable emission rate 6. Record the maximum actual emission rate. 7. Maintain any calculation and test data used to determine the actual emission rate. 8. If the source operation is used for more than one process, the dates the source operation is used. or Maintain process records sufficient to demonstrate whether the VOC emission rate from actual operations does not exceed the VOC emission rate under operating conditions for emissions after any control.[N.J.A.C. 7:27-16.16(g)1].	None.
2	Annual emission limit, from BOP090001. VOC (Total) <= 0.028 tons/yr. [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by calculations annually. [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
3	VOC (Total) <= 0.062 lb/hr maximum emission rate. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U27 Grit Channels (Grandfathered)**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	VOC (Total) <= 3 lb/hr. Maximum allowable emission rate as determined from Tables 16A and 16B, based on VOC vapor pressure and percent VOC in source gas. [N.J.A.C. 7:27-16.16(c)]	Other: Maintain process records sufficient to demonstrate whether the VOC emission rate from actual operations does not exceed the VOC emission rate under operating conditions.[N.J.A.C. 7:27-16.16(g)1].	Other: The owner or operator shall maintain process records sufficient to demonstrate whether the VOC emission rate from actual operations does not exceed the VOC emission rate under operating conditions. For each different kind of batch or continuous process for which the source operation is used record the following information determined in accordance with the Procedure for Using Table 16A: 1. The chemical name and vapor pressure of each VOC used. 2. The percent concentration by volume of VOC in the source gas 3. The volumetric gas flow rate 4. The source gas range classification 5. The maximum allowable emission rate 6. Record the maximum actual emission rate. 7. Maintain any calculation and test data used to determine the actual emission rate. 8. If the source operation is used for more than one process, the dates the source operation is used. or Maintain process records sufficient to demonstrate whether the VOC emission rate from actual operations does not exceed the VOC emission rate under operating conditions for emissions after any control.[N.J.A.C. 7:27-16.16(g)1].	None.
2	VOC (Total) <= 0.35 tons/yr Annual emission limit, from BOP090001. [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by calculations annually. [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
3	VOC (Total) <= 0.08 lb/hr maximum emission rate. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Any HAP not listed with an annual emission limit within the requirements shall not be emitted from any source at a rate that exceeds the applicable reporting threshold specified in N.J.A.C.7:27-22, Appendix, Table B. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U28 Influent Screw Pumps (Grandfathered)**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	VOC (Total) <= 2.5 lb/hr. Maximum allowable emission rate as determined from Tables 16A and 16B, based on VOC vapor pressure and percent VOC in source gas. [N.J.A.C. 7:27-16.16(c)]	Other: Maintain process records sufficient to demonstrate whether the VOC emission rate from actual operations does not exceed the VOC emission rate under operating conditions.[N.J.A.C. 7:27-16.16(g)1].	Other: The owner or operator shall maintain process records sufficient to demonstrate whether the VOC emission rate from actual operations does not exceed the VOC emission rate under operating conditions. For each different kind of batch or continuous process for which the source operation is used record the following information determined in accordance with the Procedure for Using Table 16A: 1. The chemical name and vapor pressure of each VOC used. 2. The percent concentration by volume of VOC in the source gas 3. The volumetric gas flow rate 4. The source gas range classification 5. The maximum allowable emission rate 6. Record the maximum actual emission rate. 7. Maintain any calculation and test data used to determine the actual emission rate. 8. If the source operation is used for more than one process, the dates the source operation is used. or Maintain process records sufficient to demonstrate whether the VOC emission rate from actual operations does not exceed the VOC emission rate under operating conditions for emissions after any control.[N.J.A.C. 7:27-16.16(g)1].	None.
2	Annual emission limit, from BOP090001. VOC (Total) <= 6.1 tons/yr. [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by calculations annually. [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
3	VOC (Total) <= 1.38 lb/hr maximum emission rate. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Annual emission limit, from BOP140004. HAPs (Total) <= 1.8 tons/yr. [N.J.A.C. 7:27-22.16(a)]	HAPs (Total): Monitored by calculations annually. [N.J.A.C. 7:27-22.16(o)]	HAPs (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27-22.16(o)]	None.
5	Annual emission limit, from BOP090001. Chloroform <= 0.51 tons/yr. [N.J.A.C. 7:27-22.16(a)]	Chloroform: Monitored by calculations annually. [N.J.A.C. 7:27-22.16(o)]	Chloroform: Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27-22.16(o)]	None.
6	Annual emission limit from BOP090001. Dichlorobenzene (1,4-) <= 0.97 tons/yr. [N.J.A.C. 7:27-22.16(a)]	Dichlorobenzene (1,4-): Monitored by calculations annually. [N.J.A.C. 7:27-22.16(o)]	Dichlorobenzene (1,4-): Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27-22.16(o)]	None.
7	Annual emission limit from BOP090001. Styrene <= 0.32 tons/yr. [N.J.A.C. 7:27-22.16(a)]	Styrene: Monitored by calculations annually. [N.J.A.C. 7:27-22.16(o)]	Styrene: Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27-22.16(o)]	None.
8	Annual emission limit, from BOP090001. 2-Methylnaphthalene<=0.0012tons/year. [N.J.A.C. 7:27-22.16(a)]	Monitored by calculations annually. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27-22.16(o)]	None.
9	Annual emission limit from BOP090001. Dichlorobenzene(1,2-) <=0.28 tons/yr. [N.J.A.C. 7:27-22.16(a)]	Monitored by calculations annually. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27-22.16(o)]	None.
10	Annual emission limit from BOP090001. Dichlorobenzene(1,3-) <=1.4 tons/yr. [N.J.A.C. 7:27-22.16(a)]	Monitored by calculations annually. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27-22.16(o)]	None.
11	Any HAP not listed with an annual emission limit within the requirements shall not be emitted from any source at a rate that exceeds the applicable reporting threshold specified in N.J.A.C.7:27-22, Appendix, Table B. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U34 Primary Clarifiers (Grandfathered)**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	VOC (Total) <= 2.5 lb/hr. Maximum allowable emission rate as determined from Tables 16A and 16B, based on VOC vapor pressure and percent VOC in source gas. [N.J.A.C. 7:27-16.16(c)]	Other: Maintain process records sufficient to demonstrate whether the VOC emission rate from actual operations does not exceed the VOC emission rate under operating conditions.[N.J.A.C. 7:27-16.16(g)1].	Other: The owner or operator shall maintain process records sufficient to demonstrate whether the VOC emission rate from actual operations does not exceed the VOC emission rate under operating conditions. For each different kind of batch or continuous process for which the source operation is used record the following information determined in accordance with the Procedure for Using Table 16A: 1. The chemical name and vapor pressure of each VOC used. 2. The percent concentration by volume of VOC in the source gas 3. The volumetric gas flow rate 4. The source gas range classification 5. The maximum allowable emission rate 6. Record the maximum actual emission rate. 7. Maintain any calculation and test data used to determine the actual emission rate. 8. If the source operation is used for more than one process, the dates the source operation is used. or Maintain process records sufficient to demonstrate whether the VOC emission rate from actual operations does not exceed the VOC emission rate under operating conditions for emissions after any control.[N.J.A.C. 7:27-16.16(g)1].	None.
2	VOC (Total) <= 2.3 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
3	Annual emission limit, from BOP090001. VOC (Total) <= 10.1 tons/yr. [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by calculations annually. [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27-22.16(o)]	None.
4	Annual emission limit, from BOP140004. HAPs (Total) <= 5.49 tons/yr. [N.J.A.C. 7:27-22.16(a)]	HAPs (Total): Monitored by calculations annually. [N.J.A.C. 7:27-22.16(o)]	HAPs (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27-22.16(o)]	None.
5	Annual emission limit, from BOP090001. Chloroform <= 0.51 tons/yr. [N.J.A.C. 7:27-22.16(a)]	Chloroform: Monitored by calculations annually. [N.J.A.C. 7:27-22.16(o)]	Chloroform: Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27-22.16(o)]	None.
6	Annual emission limit, from BOP090001. Xylene <= 2.84 tons/yr. [N.J.A.C. 7:27-22.16(a)]	Xylene: Monitored by calculations annually. [N.J.A.C. 7:27-22.16(o)]	Xylene: Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27-22.16(o)]	None.
7	Annual emission limit from BOP090001. Tetrachloroethane (1,1,2,2-) <= 0.037 tons/yr. [N.J.A.C. 7:27-22.16(a)]	Tetrachloroethane (1,1,2,2-): Monitored by calculations annually. [N.J.A.C. 7:27-22.16(o)]	Tetrachloroethane (1,1,2,2-): Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27-22.16(o)]	None.
8	Annual emission limit from BOP090001.. Styrene <= 0.56 tons/yr. [N.J.A.C. 7:27-22.16(a)]	Styrene: Monitored by calculations annually. [N.J.A.C. 7:27-22.16(o)]	Styrene: Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27-22.16(o)]	None.
9	Annual emission limit from BOP090001. 2-Methyl Naphthalene<=0.015 tons/ year [N.J.A.C. 7:27-22.16(a)]	Monitored by calculations annually. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27-22.16(o)]	None.
10	Annual emission limit from BOP090001 for operating permit. Dichlorobenzene (1,4-) <= 1.55 tons/yr. [N.J.A.C. 7:27-22.16(a)]	Dichlorobenzene (1,4-): Monitored by calculations annually. [N.J.A.C. 7:27-22.16(o)]	Dichlorobenzene (1,4-): Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27-22.16(o)]	None.
11	Annual emission limit from BOP090001. Dichlorobenzene (1,2-) <=0.71 tons/yr. [N.J.A.C. 7:27-22.16(a)]	Monitored by calculations annually. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27-22.16(o)]	None.
12	Annual emission limit from BOP090001. Dichlorobenzene (1,3-)<=1.7 tons/yr. [N.J.A.C. 7:27-22.16(a)]	Monitored by calculations annually. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
13	Any HAP not listed with an annual emission limit within the requirements shall not be emitted from any source at a rate that exceeds the applicable reporting threshold specified in N.J.A.C.7:27-22, Appendix, Table B. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U46 Oxygenation Tanks (Grandfathered)**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	VOC (Total) <= 3 lb/hr. Maximum allowable emission rate as determined from Tables 16A and 16B, based on VOC vapor pressure and percent VOC in source gas. [N.J.A.C. 7:27-16.16(c)]	Other: Maintain process records sufficient to demonstrate whether the VOC emission rate from actual operations does not exceed the VOC emission rate under operating conditions.[N.J.A.C. 7:27-16.16(g)1].	Other: The owner or operator shall maintain process records sufficient to demonstrate whether the VOC emission rate from actual operations does not exceed the VOC emission rate under operating conditions. For each different kind of batch or continuous process for which the source operation is used record the following information determined in accordance with the Procedure for Using Table 16A: 1. The chemical name and vapor pressure of each VOC used. 2. The percent concentration by volume of VOC in the source gas 3. The volumetric gas flow rate 4. The source gas range classification 5. The maximum allowable emission rate 6. Record the maximum actual emission rate. 7. Maintain any calculation and test data used to determine the actual emission rate. 8. If the source operation is used for more than one process, the dates the source operation is used. or Maintain process records sufficient to demonstrate whether the VOC emission rate from actual operations does not exceed the VOC emission rate under operating conditions for emissions after any control.[N.J.A.C. 7:27-16.16(g)1].	None.
2	Annual emission limit, from BOP090001. VOC (Total) <= 0.51 tons/yr. [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by calculations annually. [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
3	VOC (Total) <= 0.12 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Any HAP not listed with an annual emission limit within the requirements shall not be emitted from any source at a rate that exceeds the applicable reporting threshold specified in N.J.A.C.7:27-22, Appendix, Table B. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U47 Final Clarifiers (Grandfathered)**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	VOC (Total) <= 3 lb/hr. Maximum allowable emission rate as determined from Tables 16A and 16B, based on VOC vapor pressure and percent VOC in source gas. [N.J.A.C. 7:27-16.16(c)]	Other: Maintain process records sufficient to demonstrate whether the VOC emission rate from actual operations does not exceed the VOC emission rate under operating conditions.[N.J.A.C. 7:27-16.16(g)1].	Other: The owner or operator shall maintain process records sufficient to demonstrate whether the VOC emission rate from actual operations does not exceed the VOC emission rate under operating conditions. For each different kind of batch or continuous process for which the source operation is used record the following information determined in accordance with the Procedure for Using Table 16A: 1. The chemical name and vapor pressure of each VOC used. 2. The percent concentration by volume of VOC in the source gas 3. The volumetric gas flow rate 4. The source gas range classification 5. The maximum allowable emission rate 6. Record the maximum actual emission rate. 7. Maintain any calculation and test data used to determine the actual emission rate. 8. If the source operation is used for more than one process, the dates the source operation is used. or Maintain process records sufficient to demonstrate whether the VOC emission rate from actual operations does not exceed the VOC emission rate under operating conditions for emissions after any control.[N.J.A.C. 7:27-16.16(g)1].	None.
2	VOC (Total) <= 0.53 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
3	Annual emission limit, from BOP090001. VOC (Total) <= 2.3 tons/yr. [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by calculations annually. [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27-22.16(o)]	None.
4	Annual emission limit, from BOP140004. HAPs (Total) <= 0.6 tons/yr. [N.J.A.C. 7:27-22.16(a)]	HAPs (Total): Monitored by calculations annually. [N.J.A.C. 7:27-22.16(o)]	HAPs (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27-22.16(o)]	None.
5	Annual emission limit, from BOP090001. Chloroform <= 0.11 tons/yr. [N.J.A.C. 7:27-22.16(a)]	Chloroform: Monitored by calculations annually. [N.J.A.C. 7:27-22.16(o)]	Chloroform: Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27-22.16(o)]	None.
6	Annual emission limit, from BOP090001. Styrene <= 0.49 tons/yr. [N.J.A.C. 7:27-22.16(a)]	Styrene: Monitored by calculations annually. [N.J.A.C. 7:27-22.16(o)]	Styrene: Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27-22]	None.
7	Any HAP not listed with an annual emission limit within the requirements shall not be emitted from any source at a rate that exceeds the applicable reporting threshold specified in N.J.A.C.7:27-22, Appendix, Table B. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U48 Return Sludge Screw Pump Facilities (Grandfathered)**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	VOC (Total) <= 3 lb/hr. Maximum allowable emission rate as determined from Tables 16A and 16B, based on VOC vapor pressure and percent VOC in source gas. [N.J.A.C. 7:27-16.16(c)]	Other: Maintain process records sufficient to demonstrate whether the VOC emission rate from actual operations does not exceed the VOC emission rate under operating conditions.[N.J.A.C. 7:27-16.16(g)1].	Other: The owner or operator shall maintain process records sufficient to demonstrate whether the VOC emission rate from actual operations does not exceed the VOC emission rate under operating conditions. For each different kind of batch or continuous process for which the source operation is used record the following information determined in accordance with the Procedure for Using Table 16A: 1. The chemical name and vapor pressure of each VOC used. 2. The percent concentration by volume of VOC in the source gas 3. The volumetric gas flow rate 4. The source gas range classification 5. The maximum allowable emission rate 6. Record the maximum actual emission rate. 7. Maintain any calculation and test data used to determine the actual emission rate. 8. If the source operation is used for more than one process, the dates the source operation is used. or Maintain process records sufficient to demonstrate whether the VOC emission rate from actual operations does not exceed the VOC emission rate under operating conditions for emissions after any control.[N.J.A.C. 7:27-16.16(g)1].	None.
2	VOC (Total) <= 0.075 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
3	Annual emission limit, from application for operating permit. VOC (Total) <= 0.33 tons/yr. [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by calculations annually. [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U49 Gravity Thickeners (Grandfathered)**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	VOC (Total) <= 3 lb/hr. Maximum allowable emission rate as determined from Tables 16A and 16B, based on VOC vapor pressure and percent VOC in source gas. [N.J.A.C. 7:27-16.16(c)]	Other: Maintain process records sufficient to demonstrate whether the VOC emission rate from actual operations does not exceed the VOC emission rate under operating conditions.[N.J.A.C. 7:27-16.16(g)1].	Other: The owner or operator shall maintain process records sufficient to demonstrate whether the VOC emission rate from actual operations does not exceed the VOC emission rate under operating conditions. For each different kind of batch or continuous process for which the source operation is used record the following information determined in accordance with the Procedure for Using Table 16A: 1. The chemical name and vapor pressure of each VOC used. 2. The percent concentration by volume of VOC in the source gas 3. The volumetric gas flow rate 4. The source gas range classification 5. The maximum allowable emission rate 6. Record the maximum actual emission rate. 7. Maintain any calculation and test data used to determine the actual emission rate. 8. If the source operation is used for more than one process, the dates the source operation is used. or Maintain process records sufficient to demonstrate whether the VOC emission rate from actual operations does not exceed the VOC emission rate under operating conditions for emissions after any control.[N.J.A.C. 7:27-16.16(g)1].	None.
2	VOC (Total) <= 0.08 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
3	Annual emission limit, from application for operating permit. VOC (Total) <= 0.35 tons/yr. [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by calculations annually. [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U50 Chlorination Facilities (Grandfathered)**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	VOC (Total) <= 3 lb/hr. Maximum allowable emission rate as determined from Tables 16A and 16B, based on VOC vapor pressure and percent VOC in source gas. [N.J.A.C. 7:27-16.16(c)]	Other: Maintain process records sufficient to demonstrate whether the VOC emission rate from actual operations does not exceed the VOC emission rate under operating conditions.[N.J.A.C. 7:27-16.16(g)1].	Other: The owner or operator shall maintain process records sufficient to demonstrate whether the VOC emission rate from actual operations does not exceed the VOC emission rate under operating conditions. For each different kind of batch or continuous process for which the source operation is used record the following information determined in accordance with the Procedure for Using Table 16A: 1. The chemical name and vapor pressure of each VOC used. 2. The percent concentration by volume of VOC in the source gas 3. The volumetric gas flow rate 4. The source gas range classification 5. The maximum allowable emission rate 6. Record the maximum actual emission rate. 7. Maintain any calculation and test data used to determine the actual emission rate. 8. If the source operation is used for more than one process, the dates the source operation is used. or Maintain process records sufficient to demonstrate whether the VOC emission rate from actual operations does not exceed the VOC emission rate under operating conditions for emissions after any control.[N.J.A.C. 7:27-16.16(g)1].	None.
2	VOC (Total) <= 0.05 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
3	Annual emission limit, from application for operating permit. VOC (Total) <= 0.00013 tons/yr. [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by calculations annually. [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U54 Sludge Thickening Centrifuges #1 through #5, Thickener Sludge Wetwells #1 thru #6 , new sludge storage tank (CD11, CD12, CD13, CD14, and CD15)**

Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Destruction and Removal Efficiency >= 95 % by weight for Hydrogen sulfide (H2S) for each control device (CD11 and CD12). [N.J.A.C. 7:27-22.16(e)]	None.	Destruction and Removal Efficiency: Recordkeeping by stack test results once initially Keep stack test rsults on site. [N.J.A.C. 7:27-22.16(o)]	None.
2	No visible emissions exclusive of condensed water vapor. [N.J.A.C. 7:27-22.16(e)]	Monitored by visual determination each month during operation. Conduct visual opacity inspections during daylight hours to identify if the stack has visible emissions, other than condensed water vapor. Select an observation position enabling clear view of emission point(s), minimum 15 feet away without sunlight shining directly into the eyes. Observe for a minimum duration of 30 minutes. Clock observation with two stopwatches starting the 1st watch at the commencement of the 30-minute observation period and starting and stopping the 2nd watch every time visible emissions are first seen and when they cease, and record the observation. If visible emissions are observed for more than 3 minutes in the 30-consecutive minutes: (1) Verify the equipment and/or control device causing visible emissions is operating according to manufacturer's specifications. If it is not operating properly, take corrective action immediately to eliminate the excess emissions. (2) If the opacity problem is not corrected within 24 hours, perform a check via a certified opacity reader, in accordance with N.J.A.C. 7:27B-2. Conduct such test each day until the opacity problem is successfully corrected. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The permittee must retain the following records: (1) Date and time of inspection; (2) Emission Point number; (3) Operational status of equipment; (4) Observed results and conclusions; (5) Description of corrective action taken if needed; (6) Date and time opacity problem was solved, if applicable; (7) N.J.A.C. 7:27B-2 results if conducted; and (8) Name of person(s) conducting inspection. [N.J.A.C. 7:27-22.16(o)]	Other (provide description): Upon occurrence of event : If visible emissions are observed for more than 3 minutes in the 30-consecutive minutes: (1) Verify the equipment and/or control device causing visible emissions is operating according to manufacturer's specifications. If it is not operating properly, take corrective action immediately to eliminate the excess emissions. (2) If the opacity problem is not corrected within 24 hours, perform a check via a certified opacity reader, in accordance with N.J.A.C. 7:27B-2. Conduct such test each day until the opacity problem is successfully corrected. [N.J.A.C. 7:27-22.16(o)]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
3	Sulfur Compounds other than S02, S03 and H2S04 <= 5 lb/hr from PT62 and PT63 in any 60 minute period. [N.J.A.C. 7:27-7.2(i)]	None.	None.	None.
4	Sulfur Compounds other than S02, S03 and H2S04 <= 3 lb/hr from PT64 and PT65 in any 60 minute period. [N.J.A.C. 7:27-7.2(i)]	None.	None.	None.
5	Hydrogen sulfide <= 0.09 lb/hr Maximum emission rate for the emission unit when venting through CD13 or CD13 & CD15 or CD 14 or CD14 & CD15 (OS11 through OS20 and OS33 through OS46) combined for all scenarios. All other operating scenarios are diminimis. [N.J.A.C. 7:27-22.16(a)]	Hydrogen sulfide: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Hydrogen sulfide: Recordkeeping by manual logging of parameter or storing data in a computer data system initial calculations only. [N.J.A.C. 7:27-22.16(o)]	None.
6	Hydrogen sulfide <= 0.38 tons/yr. [N.J.A.C. 7:27-22.16(a)]	Hydrogen sulfide: Monitored by calculations annually. [N.J.A.C. 7:27-22.16(o)]	Hydrogen sulfide: Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27-22.16(o)]	None.
7	VOC (Total) <= 3.5 lb/hr. [N.J.A.C. 7:27-16.16(c)]	Other: The owner or operator shall conduct an analysis of the source operation which demonstrates that, under worst case operating conditions that maximize the VOC emissions after any control, the VOC emission rate of the source operation is in compliance with this section.[N.J.A.C. 7:27-16.16(g)1ii].	Other: The owner or operator shall maintain process records sufficient to demonstrate whether the VOC emission rate from actual operations does not exceed the VOC emission rate under worst case operating conditions. The permittee shall maintain records for a period of no less than five years and shall make those records available upon request of the Department or EPA.[N.J.A.C.7:27-16.22(a)] and[N.J.A.C. 7:27-16.16(g)1ii].	None.
8	VOC (Total) <= 0.05 lb/hr maximum emission rate for each operating scenario. [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system initial calculations only. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
9	All emissions from the wet wells and thickening centrifuges in this emission unit shall be exhausted through a control device, either one of the packed tower scrubber (CD11 or CD12) or one of the chemical scrubber (CD13 or CD14) except during scrubber switching. A Bioscrubber (CD15) is permitted for use at the facility's discretion, as an optional control device for reducing pollutant load to either CD13 or CD 14. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
10	Hours of Operation <= 4 hr/yr total cumulative time for scrubber switching events for CD11, CD12, CD13, and CD14. Each scrubber switching event shall not exceed ten minutes. [N.J.A.C. 7:27-22.16(a)]	None.	Hours of Operation: Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event recording for the duration of each scrubber switching event. [N.J.A.C. 7:27-22.16(o)]	None.
11	Scrubbing Medium Flow Rate >= 50 and Scrubbing Medium Flow Rate <= 150 gal/min for CD11 and CD12. [N.J.A.C. 7:27-22.16(a)]	Scrubbing Medium Flow Rate: Monitored by scrubber flow rate instrument continuously. [N.J.A.C. 7:27-22.16(o)]	Scrubbing Medium Flow Rate: Recordkeeping by strip chart or data acquisition (DAS) system continuously. In the event that the flow rate medium of the scrubber drops below 50 gal/min or exceeds 150 gal/min, the permittee may comply with this requirement by calculating a 15-minute block average. [N.J.A.C. 7:27-22.16(o)]	None.
12	pH of the Scrubbing Solution at the Inlet of the Scrubber >= 9 and pH of the Scrubbing Solution at the Inlet of the Scrubber <= 12 standard units for CD11 and CD12. [N.J.A.C. 7:27-22.16(a)]	pH of the Scrubbing Solution at the Inlet of the Scrubber: Monitored by pH instrument continuously. [N.J.A.C. 7:27-22.16(o)]	pH of the Scrubbing Solution at the Inlet of the Scrubber: Recordkeeping by strip chart or data acquisition (DAS) system continuously. In the event that the pH of the scrubbing solution at the inlet of the scrubber is less than 9 standard units and greater than 12 standard units, the permittee may comply with this requirement by calculating a 15-minute block average. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
13	Oxidation Reduction Potential >= 300 millivolts for CD11 and CD12. [N.J.A.C. 7:27-22.16(a)]	Oxidation Reduction Potential: Monitored by oxidation/reduction potential meter continuously. [N.J.A.C. 7:27-22.16(o)]	Oxidation Reduction Potential: Recordkeeping by strip chart or data acquisition (DAS) system continuously. In the event that the oxidation reduction potention drops below 300 millivolts, the permittee may comply with this requirement by calculating a 15-minute block average. [N.J.A.C. 7:27-22.16(o)]	None.
14	Scrubbing Medium Flow Rate >= 300 gal/min for CD13 and CD14. [N.J.A.C. 7:27-22.16(a)]	Scrubbing Medium Flow Rate: Monitored by scrubber flow rate instrument continuously. [N.J.A.C. 7:27-22.16(o)]	Scrubbing Medium Flow Rate: Recordkeeping by strip chart or data acquisition (DAS) system continuously. In the event that the scrubbing medium flow rate drops below 300 gal/min, the permittee may comply with this requirement by calculating a 15-minute block average. [N.J.A.C. 7:27-22.16(o)]	None.
15	pH of the Scrubbing Solution at the Inlet of the Scrubber >= 10 standard units for CD13 and CD14. [N.J.A.C. 7:27-22.16(a)]	pH of the Scrubbing Solution at the Inlet of the Scrubber: Monitored by pH instrument continuously. [N.J.A.C. 7:27-22.16(o)]	pH of the Scrubbing Solution at the Inlet of the Scrubber: Recordkeeping by strip chart or data acquisition (DAS) system continuously. In the event that the pH of the scrubbing solution at the inlet of the scrubber drops below 10 standard units, the permittee may comply with this requirement by calculating a 15-minute block average. [N.J.A.C. 7:27-22.16(o)]	None.
16	Oxidation Reduction Potential >= 550 millivolts for CD13 and CD14. [N.J.A.C. 7:27-22.16(a)]	Oxidation Reduction Potential: Monitored by oxidation/reduction potential meter continuously. [N.J.A.C. 7:27-22.16(o)]	Oxidation Reduction Potential: Recordkeeping by strip chart or data acquisition (DAS) system continuously. In the event that the oxidation reduction potention drops below 500 millivolts, the permittee may comply with this requirement by calculating a 15-minute block average. [N.J.A.C. 7:27-22.16(o)]	None.
17	Maximum Sludge Feed Rate <= 1,200 dry tons/day. [N.J.A.C. 7:27-22.16(e)]	Maximum Sludge Feed Rate: Monitored by sludge feed/charge rate monitoring daily. An average solids content must be determined monthly. [N.J.A.C. 7:27-22.16(o)]	Maximum Sludge Feed Rate: Recordkeeping by manual logging of parameter or storing data in a computer data system daily. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
18	The sewerage sludge processing area, including but not limited to the centrifuges, shall be completely enclosed and sealed. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U101 Sludge Pumping Station and Sludge Storage Tanks #1, #2, #5, #6**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Maximum allowable particulate emission rate from source emission point based on 0.02 grains per SCF of stack gas flow as determined in the Table at N.J.A.C. 7:27-6.2(a). [N.J.A.C. 7:27- 6.2]	None.	None.	None.
2	Opacity <= 20 % exclusive of visible condensed water vapor, except a three minute period in any consecutive 30-minute period. [N.J.A.C. 7:27-6.2(d)] &. [N.J.A.C. 7:27- 6.2(e)]	None.	None.	None.
3	The equipment in this emission unit is subject to the sulfur compound emission standards of N.J.A.C. 7:27-7. [N.J.A.C. 7:27- 7]	Other: Monitor by calculations every five years. Comply, as applicable, with all monitoring requirements of N.J.A.C. 7:27-7.[N.J.A.C. 7:27-22.16(o)].	Recordkeeping by manual logging of parameter or storing data in a computer data system at the approved frequency. Maintain calculations records. [N.J.A.C. 7:27-22.16(o)]	None.
4	Permittee's annual throughput limit, for each tank, from preconstruction permit: 365 million gallons per any 12 month period. [N.J.A.C. 7:27-22.16(e)]	Monitored by sludge feed/charge rate monitoring each month during operation, based on a consecutive 12 month period (rolling 1 month basis) . [N.J.A.C. 7:27-22.16(e)]	Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. Monthly and rolling 12-month throughputs. [N.J.A.C. 7:27-22.16(e)]	None.
5	Total Material Transferred <= 75 MMgal/yr of landfill leachate from BOP150006. [N.J.A.C. 7:27-22.16(a)]	Total Material Transferred: Monitored by material feed/flow monitoring upon occurrence of event. [N.J.A.C. 7:27-22.16(o)]	Total Material Transferred: Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. [N.J.A.C. 7:27-22.16(o)]	None.
6	If the source of the landfill leachate changes, the Permittee shall have a waste water analysis performed on the new source. If the results of the analysis indicate a potential increase in emissions over the permitted rates, the lab results and a modification application shall be submitted to the Department. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	Hydrogen sulfide <= 0.104 tons/yr. From BOP080004. [N.J.A.C. 7:27-22.16(a)]	Hydrogen sulfide: Monitored by calculations annually, based on an instantaneous determination. The permittee shall use the periodic emissions (flux chamber, or as approved monitoring) to calculate the annual Hydrogen Sulfide emissions from the storage tanks. [N.J.A.C. 7:27-22.16(o)]	Hydrogen sulfide: Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27-22.16(o)]	None.
8	Hydrogen sulfide <= 0.026 lb/hr during the months of May through September (E101 SludgeStorage Tank #5). From BOP080004. [N.J.A.C. 7:27-22.16(a)]	Hydrogen sulfide: Monitored by periodic emissions monitoring (flux chamber, or as approved) at the approved frequency, based on the averaging period as per Department approved test method. The approved monitoring frequency shall be once during each of the following months: May, June July, and August. Testing shall be conducted at existing operational conditions that in the judgement of the facilityare the worst case for odor generation, during the day time. The permittee shall calculate the mass emission rate based on the worst case concentration, the sweep gas rate applied during the test, and the surface area of the tank or with an equivalent method approved by the Bureau of Technical Services. [N.J.A.C. 7:27-22.16(o)]	Hydrogen sulfide: Recordkeeping by manual logging of parameter or storing data in a computer data system at the approved frequency. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
9	Hydrogen sulfide <= 0.022 lb/hr during the months of October through April.(E101 SludgeStorage Tank #5). From BOP080004. [N.J.A.C. 7:27-22.16(a)]	Hydrogen sulfide: Monitored by periodic emission monitoring at the approved frequency, based on the averaging period as per Department approved test method. The approved monitoring frequency shall be once during each of the months of September through April. Testing shall be conducted at existing operational conditions that in the judgement of the facilityare the worst case for odor generation, during the day time. The permittee shall calculate the mass emission rate based on the worst case concentration, the sweep gas rate applied during the test, and the surface area of the tank or with an equivalent method approved by the Bureau of Technical Services. [N.J.A.C. 7:27-22.16(o)]	Hydrogen sulfide: Recordkeeping by manual logging of parameter or storing data in a computer data system at the approved frequency. [N.J.A.C. 7:27-22.16(o)]	None.
10	VOC (Total) <= 0.051 tons/yr. [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by calculations annually, based on an instantaneous determination. [N.J.A.C. 7:27- 8.13(d)2]	VOC (Total): Recordkeeping by manual logging of parameter annually. [N.J.A.C. 7:27- 8]	None.
11	HAPs (Total) <= 0.051 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
12	Phenol <= 0.051 tons/yr from BOP150006. [N.J.A.C. 7:27-22.16(a)]	Phenol: Monitored by calculations annually, based on an instantaneous determination. [N.J.A.C. 7:27-22.16(o)]	Phenol: Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27-22.16(o)]	None.
13	Phenol <= 0.0116 lb/hr from BOP150006. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
14	The Permittee shall be limited to receiving digested municipal sewerage sludges at a maximum content of 8 % solids or landfill leachate from BOP150006.. [N.J.A.C. 7:27-22.16(a)]	Other: The permittee shall determine compliance with this condition using a sludge analysis from a laboratory confirming the percent (%) Solids.[N.J.A.C. 7:27-22.16(o)].	Recordkeeping by manual logging of parameter per delivery. The permittee shall record the amount of sludge received for each shipment. The permittee shall maintain the sludge analysis for each shipment onsite for review upon request of the Department. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
15	Any operation of equipment which may cause off-property effects, including odors, shall be immediately reported to the Department to the extent required by the Air Pollution Control Act, N.J.S.A. 26:2C-19(e). [N.J.S.A. 26:2C-19(e)]	Other: Observation of plant operations. [N.J.S.A. 26:2C-19(e)].	Other: Maintain a copy of all information submitted to the Department. [N.J.S.A. 26:2C-19(e)].	Notify by phone: Upon occurrence of event. A person who causes a release of air contaminants in a quantity or concentration which poses a potential threat to public health, welfare or the environment or which might reasonably result in citizen complaints shall immediately notify the Department. Such notification shall be made by calling the Environmental Action Hotline at (877) 927-6337. [N.J.S.A. 26:2C-19(e)]
16	The permittee shall not suffer, allow, or permit any air contaminant detectable by the sense of smell to be present in the outdoor atmosphere in such quantity and duration which is, or tends to be, injurious to human health or welfare, animal or plant life or property, or would unreasonably interfere with the enjoyment of life or property. This shall not include an air contaminant which occurs only in areas over which the permittee has exclusive use or occupancy. In determining whether an odor unreasonably interferes with the enjoyment of life or property, the Department shall consider all of the relevant facts and circumstances, including, but not limited to, the character, severity, frequency and duration of the odor, and the number of persons affected thereby. In considering these and other relevant facts and circumstances, no one factor shall be dispositive, but each shall be considered relevant in determining whether an odor interferes with the enjoyment of life and property and, if so, whether such interference is unreasonable considering all of the circumstances. [N.J.A.C. 7:27-22.16(a)]	Other: Observation of plant operations.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain a copy of all information submitted to the Department.[N.J.A.C. 7:27-22.16(o)].	Notify by phone: Upon occurrence of event. The permittee shall report any operation of the equipment which may cause a release of air contaminants in a quantity which poses a potential threat to public health, welfare, or the environment or which might reasonably result in citizen complaints. The permittee shall immediately notify the Department of any non-compliance by calling the Environmental Action Hotline at (877)927-6337. [N.J.S.A. 26:2C-19(e)]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U102 Emergency Diesel Generators**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Opacity <= 20 % , exclusive of visible condensed water vapor, except for a period of not longer than 10 consecutive seconds. [N.J.A.C. 7:27- 3.5]	None.	None.	None.
2	Sulfur Content in Fuel <= 15 ppmw (0.0015% by weight). Effective July 1, 2016. [N.J.A.C. 7:27- 9.2(b)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	None.
3	Fuel stored in New Jersey that met the applicable maximum sulfur content standard of Tables 1A or 1B of N.J.A.C. 7:27-9.2 at the time it was stored in New Jersey may be used in New Jersey after the operative date of the applicable standard in Table 1B. [N.J.A.C. 7:27- 9.2(b)]	None.	None.	None.
4	Generator fuel limited to # 2 fuel oil or diesel fuel. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
5	Each emergency generator shall be located at the facility and produce mechanical or thermal energy, or electrical power exclusively for use at the facility. This emergency generator shall be operated only: 1. During the performance of normal testing and maintenance procedures, as recommended in writing by the manufacturer and/or as required in writing by a Federal or State law or regulation, 2. When there is power outage or the primary source of mechanical or thermal energy fails because of an emergency, or 3. When there is a voltage reduction issued by PJM and posted on the PJM internet website (www.pjm.com) under the "emergency procedures" menu. [N.J.A.C. 7:27-19.1]	Monitored by hour/time monitor continuously In addition, the owner or operator shall monitor, once per month, the total operating time from the generator's hour meter; hours of operation for emergency use; hours of operation for testing and maintenance; and the total fuel usage calculated by the following: Fuel Usage (Gallons per month) = (Hours of operation per month) x (Maximum emergency generator fuel usage rate in gallons per hour). Hours of operation for emergency use (per month) = (The monthly total operating time from the generator's hour meter) - (The monthly total operating time for testing or maintenance) . [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system at the approved frequency. The owner or operator shall maintain on site and record the following information: 1. Once per month, the total operating time from the generator's hour meter, the fuel usage (gallons per month) and the hours of operation for emergency use (per month). Document if the emergency use was due to internal or external loss of primary source of energy. If internal loss at the facility, document the emergency that occurred, the damages to the primary source of energy and the amount of time needed for repairs. 2. For each time the emergency generator is specifically operated for testing or maintenance: i. The reason for its operation; ii. The date(s) of operation and the start up and shut down time; iii. The total operating time for testing or maintenance based on the generator's hour meter; and iv. The name of the operator; and 3. If a voltage reduction is the reason for the use of the emergency generator, a copy of the voltage reduction notification from PJM or other documentation of the voltage reduction. The owner or operator of an emergency generator shall maintain the above records for a period no less than 5 years after the record was made and shall make the records readily available to the Department or the EPA upon request. [N.J.A.C. 7:27-22.16(o)] and [N.J.A.C. 7:27-19.11]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
6	This emergency generator shall not be used: 1. For normal testing and maintenance on days when the Department forecasts air quality anywhere in New Jersey to be "unhealthy for sensitive groups," "unhealthy," or "very unhealthy" as defined in the EPA's Air Quality Index at http://airnow.gov/, as supplemented or amended and incorporated herein by reference, unless required in writing by a Federal or State law or regulation. Procedures for determining the air quality forecasts for New Jersey are available at the Department's air quality permitting web site at http://www.state.nj.us/dep/aqpp/aqforecast; and 2. As a source of energy or power after the primary energy or power source has become operable again. If the primary energy or power source is under the control of the owner or operator of the emergency generator, the owner or operator shall make a reasonable, timely effort to repair the primary energy or power source. [N.J.A.C. 7:27-19.2(d)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	Hours of Operation <= 100 hr/yr for testing and maintenance. The limit on the allowable hours for testing and maintenance in accordance with the documentation from manufacturer, the vendor, or the insurance company associated with the engine. [N.J.A.C. 7:27-22.16(a)]	Hours of Operation: Monitored by hour/time monitor continuously. [N.J.A.C. 7:27-22.16(o)]	Hours of Operation: Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The owner or operator shall maintain on site and record the following information: For each time the emergency generator is specifically operated for testing or maintenance: i. The reason for its operation; ii. The date(s) of operation and the start up and shut down time; iii. The total operating time for testing or maintenance based on the generator's hour meter; and iv. The name of the operator. [N.J.A.C. 7:27-19.11]	None.
8	VOC (Total) <= 0.216 tons/yr. Annual emission limit for all four generators combined based on the permitted hours per year of operation. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	NOx (Total) <= 0.829 tons/yr. Annual emission limit for all four generators combined based on the permitted hours per year of operation. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
10	CO <= 0.7794 tons/yr. Annual emission limit for all four generators combined based on the permitted hours per year of operation. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
11	SO2 <= 0.0011 tons/yr. Annual emission limit for all four generators combined based on the permitted hours per year of operation. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
12	TSP <= 0.0345 tons/yr. Annual emission limit for all four generators combined based on the permitted hours per year of operation. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
13	PM-10 (Total) <= 0.0345 tons/yr. Annual emission limit for all four generators combined based on the permitted hours per year of operation. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
14	Sulfur Content in Fuel <= 0.0015 % by weight. Maximum allowable sulfur content in No. 2 fuel oil, diesel fuel or kerosene shall be no more than 15 ppm (0.0015% by wt.). [N.J.A.C. 7:27-22.16(a)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery. [N.J.A.C. 7:27-22.16(o)]	Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing sulfur content. [N.J.A.C. 7:27-22.16(o)]	None.
15	All requests, reports, applications, submittals, and other communications to the Administrator pursuant to Part 60 shall be submitted in duplicate to the Regional Office of US Environmental Protection Agency. Submit information to: Director, Division of Enforcement & Compliance Assistance, US EPA, Region 2, 290 Broadway, New York, NY 10007-1866 (NSPS Subpart A). [40 CFR 60.4(a)]	None.	None.	Submit a report: As per the approved schedule to EPA Region 2 as required by 40 CFR 60. [40 CFR 60.4(a)]
16	Copies of all information submitted to EPA pursuant to 40 CFR Part 60, must also be submitted to the appropriate Regional Enforcement Office of NJDEP (NSPS Subpart A). [40 CFR 60.4(b)]	None.	None.	Submit a report: As per the approved schedule to the appropriate Regional Enforcement Office of NJDEP as required by 40 CFR 60. [40 CFR 60.4(b)]
17	No owner or operator subject to NSPS standards in Part 60, shall build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere (NSPS Subpart A). [40 CFR 60.12]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
18	The owner or operator shall notify the Administrator of the proposed replacement of components (NSPS Subpart A). [40 CFR 60.15]	None.	None.	Submit notification: At a common schedule agreed upon by the operator and the Administrator. The notification shall include information listed under 40 CFR Part 60.15(d). The notification shall be postmarked 60 days (or as soon as practicable) before construction of the replacements is commenced. [40 CFR 60.15(d)]
19	Changes in time periods for submittal of information and postmark deadlines set forth in this subpart, may be made only upon approval by the Administrator and shall follow procedures outlined in 40 CFR Part 60.19 (NSPS Subpart A). [40 CFR 60.19]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U102 Emergency Diesel Generators**
Operating Scenario: **OS1 EG CAT600**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 3.6 lb/hr. Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 5.98 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Maintain documentation of engine rated capacity.[N.J.A.C. 7:27-22.16(o)].	None.
3	VOC (Total) <= 1.77 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	NOx (Total) <= 8.51 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	CO <= 4.61 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	SO2 <= 0.009 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP <= 0.27 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	PM-10 (Total) <= 0.27 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Owners and operators of stationary CI internal combustion engines must operate and maintain stationary CI ICE that achieve the emission standards as required in 40 CFR 60.4204 and 60.4205 over the entire life of the engine. [40 CFR 60.4206]	None.	Other: The owner or operator shall keep the manufacturer's emission-related written instructions over the entire life of the engine. [40 CFR 60.4206].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
10	Beginning October 1, 2010, the CI internal combustion engines with a displacement of less than 30 liters per cylinder subject to NSPS IIII (manufactured after April 1, 2006 or modified or reconstructed after July 11, 2005) that use diesel fuel must use diesel fuel that meets the requirements of 40 CFR 80.510(b) that contains the following per gallon standards: 15 ppm (0.0015 percent) maximum sulfur content and either a minimum cetane index of 40 or a maximum aromatic content of 35 volume percent, except that any existing diesel fuel purchased (or otherwise obtained) prior to October 1, 2010, may be used until depleted. [40 CFR 60.4207(b)]	Monitored by review of fuel delivery records once per bulk fuel shipment. For each diesel delivery received, the owner or operator shall review written documentation of the delivery to ensure the maximum allowable fuel oil sulfur content and either a minimum cetane index or a maximum aromatic content is not being exceeded. Such written documentation can include, but is not limited to: bill of lading, delivery invoice, certificate of analysis. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by invoices / bills of lading / certificate of analysis once per bulk fuel shipment. The owner or operator shall keep records of fuel showing oil sulfur content and either a minimum cetane index or a maximum aromatic content for each delivery received. All records must be maintained for a minimum of 2 years following the date of such records per 40 CFR 60.7(f). [N.J.A.C. 7:27-22.16(o)]	None.
11	The owner or operator that must comply with the emission standards specified in NSPS IIII must operate and maintain the stationary CI internal combustion engine and control device, except as permitted under 40 CFR 60.4211(g), according to the manufacturer's emission-related written instructions. In addition, owners and operators may only change emission-related settings that are permitted by the manufacturer. The owner or operator must also meet the requirements of 40 CFR parts 89, 94 and/or 1068, as applicable (NSPS Subpart IIII). [40 CFR 60.4211(a)]	None.	Other: The owner or operator shall keep the manufacturer's emission-related written instructions. [40 CFR 60.4211].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
12	Emergency generators may be operated for the purpose of maintenance checks and readiness testing limited to 100 hours per year, provided that those tests are recommended by Federal, State, or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Anyone may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency ICE beyond 100 hours per year (NSPS Subpart IIII). [40 CFR 60.4211(f)]	Monitored by hour/time monitor continuously. The owner or operator of an emergency stationary internal combustion engine that does not meet the standards applicable to non-emergency engines must install a non-resettable hour meter prior to startup of the engine. [40 CFR 60.4209(a)]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The owner or operator must record the time of operation of the emergency engine and the reason the engine was in operation during that time. Starting with the model year 2011, 2012, or 2013, depending on the maximum engine power as provided in Table 5 in NSPS IIII, the owner or operator must keep records of the operation of the engine in emergency and non-emergency service that are recorded through the non-resettable hour meter if the emergency engine does not meet the standards in 40 CFR 60.4204, applicable to non-emergency engines, in the applicable model year. The emergency engine must comply with the labeling requirements in 40 CFR 60.4210(f). [40 CFR 60.4214(b)]	None.
13	A new or reconstructed stationary RICE located at an area HAP source must meet the requirements of 40 CFR 63 by meeting the requirements of 40 CFR 60 subpart IIII, for compression ignition engines or 40 CFR 60 subpart JJJJ, for spark ignition engines. No further requirements apply for such engines under 40 CFR 63. (MACT ZZZZ) [40 CFR 63.6590(c)]	Other: Comply with all applicable provisions at NSPS IIII. [40 CFR 63].	Other: Comply with all applicable provisions at NSPS IIII. [40 CFR 63].	None.
14	The owner or operator of a 2007 model year and later emergency generator with a displacement of < 10 liters per cylinder and a maximum engine power >= 37 kW (HP >= 50) and no greater than 3,000HP (<= 2,237 kW) must comply with the certification emissions standards in 40 CFR 89.112 and smoke standards in 40 CFR 89.113 for the same model year and maximum engine power as follows: NMHC + NOx <= 6.4 g/kW-hr, CO <= 3.5 g/kW-hr, PM <= 0.2 g/kW-hr, weighted average emissions as defined in 40 CFR 89.404. (NSPS Subpart IIII). [40 CFR 60.4205(b)]	None.	Other: The owner or operator of a 2007 model year or later engine must keep manufacturer certification showing compliance with the applicable emission standards, for the same model year and maximum engine power. [40 CFR 60.4211].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
15	The owner or operator of a 2007 model year and later stationary CI internal combustion engine complying with the emission standards specified in 40 CFR 60.4205(b), must comply by purchasing an engine certified to the emission standards in 40 CFR 60.4205(b), for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's emission-related specifications (NSPS Subpart IIII). [40 CFR 60.4211(c)]	None.	Other: The owner or operator must keep documentation from the manufacturer, for the life of the equipment, that the engine is certified to meet the emission standards as applicable, for the same model year and maximum engine power. If the engine and control device is not installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions, or emission-related settings are changed in a way that is not permitted by the manufacturer, the owner or operator must demonstrate compliance as prescribed at 40 CFR 60.4211(g)(1), (2) or (3) depending on the maximum engine power. [40 CFR 60.4211(c)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U102 Emergency Diesel Generators**
Operating Scenario: **OS2 EG CATXQ350**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 2.1 lb/hr. Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 3.51 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Maintain documentation of engine rated capacity.[N.J.A.C. 7:27-22.16(o)].	None.
3	VOC (Total) <= 1.34 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	NOx (Total) <= 4.14 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	CO <= 3.62 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	SO2 <= 0.005 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP <= 0.21 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	PM-10 (Total) <= 0.21 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Owners and operators of stationary CI internal combustion engines must operate and maintain stationary CI ICE that achieve the emission standards as required in 40 CFR 60.4204 and 60.4205 over the entire life of the engine. [40 CFR 60.4206]	None.	Other: The owner or operator shall keep the manufacturer's emission-related written instructions over the entire life of the engine. [40 CFR 60.4206].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
10	Beginning October 1, 2010, the CI internal combustion engines with a displacement of less than 30 liters per cylinder subject to NSPS IIII (manufactured after April 1, 2006 or modified or reconstructed after July 11, 2005) that use diesel fuel must use diesel fuel that meets the requirements of 40 CFR 80.510(b) that contains the following per gallon standards: 15 ppm (0.0015 percent) maximum sulfur content and either a minimum cetane index of 40 or a maximum aromatic content of 35 volume percent, except that any existing diesel fuel purchased (or otherwise obtained) prior to October 1, 2010, may be used until depleted. [40 CFR 60.4207(b)]	Monitored by review of fuel delivery records once per bulk fuel shipment. For each diesel delivery received, the owner or operator shall review written documentation of the delivery to ensure the maximum allowable fuel oil sulfur content and either a minimum cetane index or a maximum aromatic content is not being exceeded. Such written documentation can include, but is not limited to: bill of lading, delivery invoice, certificate of analysis. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by invoices / bills of lading / certificate of analysis once per bulk fuel shipment. The owner or operator shall keep records of fuel showing oil sulfur content and either a minimum cetane index or a maximum aromatic content for each delivery received. All records must be maintained for a minimum of 2 years following the date of such records per 40 CFR 60.7(f). [N.J.A.C. 7:27-22.16(o)]	None.
11	The owner or operator that must comply with the emission standards specified in NSPS IIII must operate and maintain the stationary CI internal combustion engine and control device, except as permitted under 40 CFR 60.4211(g), according to the manufacturer's emission-related written instructions. In addition, owners and operators may only change emission-related settings that are permitted by the manufacturer. The owner or operator must also meet the requirements of 40 CFR parts 89, 94 and/or 1068, as applicable (NSPS Subpart IIII). [40 CFR 60.4211(a)]	None.	Other: The owner or operator shall keep the manufacturer's emission-related written instructions. [40 CFR 60.4211].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
12	Emergency generators may be operated for the purpose of maintenance checks and readiness testing limited to 100 hours per year, provided that those tests are recommended by Federal, State, or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Anyone may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency ICE beyond 100 hours per year (NSPS Subpart IIII). [40 CFR 60.4211(f)]	Monitored by hour/time monitor continuously. The owner or operator of an emergency stationary internal combustion engine that does not meet the standards applicable to non-emergency engines must install a non-resettable hour meter prior to startup of the engine. [40 CFR 60.4209(a)]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The owner or operator must record the time of operation of the emergency engine and the reason the engine was in operation during that time. Starting with the model year 2011, 2012, or 2013, depending on the maximum engine power as provided in Table 5 in NSPS IIII, the owner or operator must keep records of the operation of the engine in emergency and non-emergency service that are recorded through the non-resettable hour meter if the emergency engine does not meet the standards in 40 CFR 60.4204, applicable to non-emergency engines, in the applicable model year. The emergency engine must comply with the labeling requirements in 40 CFR 60.4210(f). [40 CFR 60.4214(b)]	None.
13	A new or reconstructed stationary RICE located at an area HAP source must meet the requirements of 40 CFR 63 by meeting the requirements of 40 CFR 60 subpart IIII, for compression ignition engines or 40 CFR 60 subpart JJJJ, for spark ignition engines. No further requirements apply for such engines under 40 CFR 63. (MACT ZZZZ) [40 CFR 63.6590(c)]	Other: Comply with all applicable provisions at NSPS IIII. [40 CFR 63].	Other: Comply with all applicable provisions at NSPS IIII. [40 CFR 63].	None.
14	The owner or operator of a 2007 model year and later emergency generator with a displacement of < 10 liters per cylinder and a maximum engine power >= 37 kW (HP >= 50) and no greater than 3,000HP (<= 2,237 kW) must comply with the certification emissions standards in 40 CFR 89.112 and smoke standards in 40 CFR 89.113 for the same model year and maximum engine power as follows: NMHC + NOx <= 6.4 g/kW-hr, CO <= 3.5 g/kW-hr, PM <= 0.2 g/kW-hr, weighted average emissions as defined in 40 CFR 89.404. (NSPS Subpart IIII). [40 CFR 60.4205(b)]	None.	Other: The owner or operator of a 2007 model year or later engine must keep manufacturer certification showing compliance with the applicable emission standards, for the same model year and maximum engine power. [40 CFR 60.4211].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
15	The owner or operator of a 2007 model year and later stationary CI internal combustion engine complying with the emission standards specified in 40 CFR 60.4205(b), must comply by purchasing an engine certified to the emission standards in 40 CFR 60.4205(b), for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's emission-related specifications (NSPS Subpart IIII). [40 CFR 60.4211(c)]	None.	Other: The owner or operator must keep documentation from the manufacturer, for the life of the equipment, that the engine is certified to meet the emission standards as applicable, for the same model year and maximum engine power. If the engine and control device is not installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions, or emission-related settings are changed in a way that is not permitted by the manufacturer, the owner or operator must demonstrate compliance as prescribed at 40 CFR 60.4211(g)(1), (2) or (3) depending on the maximum engine power. [40 CFR 60.4211(c)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U102 Emergency Diesel Generators**
Operating Scenario: **OS3 EG CATXQ200**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.32 lb/hr. Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 2.2 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Maintain documentation of engine rated capacity.[N.J.A.C. 7:27-22.16(o)].	None.
3	VOC (Total) <= 0.44 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	NOx (Total) <= 1.57 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	CO <= 1.68 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	TSP <= 0.1 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	PM-10 (Total) <= 0.005 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Owners and operators of stationary CI internal combustion engines must operate and maintain stationary CI ICE that achieve the emission standards as required in 40 CFR 60.4204 and 60.4205 over the entire life of the engine. [40 CFR 60.4206]	None.	Other: The owner or operator shall keep the manufacturer's emission-related written instructions over the entire life of the engine. [40 CFR 60.4206].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
9	Beginning October 1, 2010, the CI internal combustion engines with a displacement of less than 30 liters per cylinder subject to NSPS IIII (manufactured after April 1, 2006 or modified or reconstructed after July 11, 2005) that use diesel fuel must use diesel fuel that meets the requirements of 40 CFR 80.510(b) that contains the following per gallon standards: 15 ppm (0.0015 percent) maximum sulfur content and either a minimum cetane index of 40 or a maximum aromatic content of 35 volume percent, except that any existing diesel fuel purchased (or otherwise obtained) prior to October 1, 2010, may be used until depleted. [40 CFR 60.4207(b)]	Monitored by review of fuel delivery records once per bulk fuel shipment. For each diesel delivery received, the owner or operator shall review written documentation of the delivery to ensure the maximum allowable fuel oil sulfur content and either a minimum cetane index or a maximum aromatic content is not being exceeded. Such written documentation can include, but is not limited to: bill of lading, delivery invoice, certificate of analysis. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by invoices / bills of lading / certificate of analysis once per bulk fuel shipment. The owner or operator shall keep records of fuel showing oil sulfur content and either a minimum cetane index or a maximum aromatic content for each delivery received. All records must be maintained for a minimum of 2 years following the date of such records per 40 CFR 60.7(f). [N.J.A.C. 7:27-22.16(o)]	None.
10	The owner or operator that must comply with the emission standards specified in NSPS IIII must operate and maintain the stationary CI internal combustion engine and control device, except as permitted under 40 CFR 60.4211(g), according to the manufacturer's emission-related written instructions. In addition, owners and operators may only change emission-related settings that are permitted by the manufacturer. The owner or operator must also meet the requirements of 40 CFR parts 89, 94 and/or 1068, as applicable (NSPS Subpart IIII). [40 CFR 60.4211(a)]	None.	Other: The owner or operator shall keep the manufacturer's emission-related written instructions. [40 CFR 60.4211].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
11	Emergency generators may be operated for the purpose of maintenance checks and readiness testing limited to 100 hours per year, provided that those tests are recommended by Federal, State, or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Anyone may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency ICE beyond 100 hours per year (NSPS Subpart IIII). [40 CFR 60.4211(f)]	Monitored by hour/time monitor continuously. The owner or operator of an emergency stationary internal combustion engine that does not meet the standards applicable to non-emergency engines must install a non-resettable hour meter prior to startup of the engine. [40 CFR 60.4209(a)]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The owner or operator must record the time of operation of the emergency engine and the reason the engine was in operation during that time. Starting with the model year 2011, 2012, or 2013, depending on the maximum engine power as provided in Table 5 in NSPS IIII, the owner or operator must keep records of the operation of the engine in emergency and non-emergency service that are recorded through the non-resettable hour meter if the emergency engine does not meet the standards in 40 CFR 60.4204, applicable to non-emergency engines, in the applicable model year. The emergency engine must comply with the labeling requirements in 40 CFR 60.4210(f). [40 CFR 60.4214(b)]	None.
12	A new or reconstructed stationary RICE located at an area HAP source must meet the requirements of 40 CFR 63 by meeting the requirements of 40 CFR 60 subpart IIII, for compression ignition engines or 40 CFR 60 subpart JJJJ, for spark ignition engines. No further requirements apply for such engines under 40 CFR 63. (MACT ZZZZ) [40 CFR 63.6590(c)]	Other: Comply with all applicable provisions at NSPS IIII. [40 CFR 63].	Other: Comply with all applicable provisions at NSPS IIII. [40 CFR 63].	None.
13	The owner or operator of a 2007 model year and later emergency generator with a displacement of < 10 liters per cylinder and a maximum engine power >= 37 kW (HP >= 50) and no greater than 3,000HP (<= 2,237 kW) must comply with the certification emissions standards in 40 CFR 89.112 and smoke standards in 40 CFR 89.113 for the same model year and maximum engine power as follows: NMHC + NOx <= 4 g/kW-hr, CO <= 3.5 g/kW-hr, PM <= 0.2 g/kW-hr, weighted average emissions as defined in 40 CFR 89.404. (NSPS Subpart IIII). [40 CFR 60.4205(b)]	None.	Other: The owner or operator of a 2007 model year or later engine must keep manufacturer certification showing compliance with the applicable emission standards, for the same model year and maximum engine power. [40 CFR 60.4211].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
14	The owner or operator of a 2007 model year and later stationary CI internal combustion engine complying with the emission standards specified in 40 CFR 60.4205(b), must comply by purchasing an engine certified to the emission standards in 40 CFR 60.4205(b), for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's emission-related specifications (NSPS Subpart IIII). [40 CFR 60.4211(c)]	None.	Other: The owner or operator must keep documentation from the manufacturer, for the life of the equipment, that the engine is certified to meet the emission standards as applicable, for the same model year and maximum engine power. If the engine and control device is not installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions, or emission-related settings are changed in a way that is not permitted by the manufacturer, the owner or operator must demonstrate compliance as prescribed at 40 CFR 60.4211(g)(1), (2) or (3) depending on the maximum engine power. [40 CFR 60.4211(c)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U102 Emergency Diesel Generators**
Operating Scenario: **OS4 EG MMG130**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.84 lb/hr. Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 1.04 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Maintain documentation of engine rated capacity.[N.J.A.C. 7:27-22.16(o)].	None.
3	VOC (Total) <= 0.44 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	NOx (Total) <= 1.57 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	CO <= 1.68 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	SO2 <= 0.002 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP <= 0.1 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	PM-10 (Total) <= 0.1 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Owners and operators of stationary CI internal combustion engines must operate and maintain stationary CI ICE that achieve the emission standards as required in 40 CFR 60.4204 and 60.4205 over the entire life of the engine. [40 CFR 60.4206]	None.	Other: The owner or operator shall keep the manufacturer's emission-related written instructions over the entire life of the engine. [40 CFR 60.4206].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
10	Beginning October 1, 2010, the CI internal combustion engines with a displacement of less than 30 liters per cylinder subject to NSPS IIII (manufactured after April 1, 2006 or modified or reconstructed after July 11, 2005) that use diesel fuel must use diesel fuel that meets the requirements of 40 CFR 80.510(b) that contains the following per gallon standards: 15 ppm (0.0015 percent) maximum sulfur content and either a minimum cetane index of 40 or a maximum aromatic content of 35 volume percent, except that any existing diesel fuel purchased (or otherwise obtained) prior to October 1, 2010, may be used until depleted. [40 CFR 60.4207(b)]	Monitored by review of fuel delivery records once per bulk fuel shipment. For each diesel delivery received, the owner or operator shall review written documentation of the delivery to ensure the maximum allowable fuel oil sulfur content and either a minimum cetane index or a maximum aromatic content is not being exceeded. Such written documentation can include, but is not limited to: bill of lading, delivery invoice, certificate of analysis. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by invoices / bills of lading / certificate of analysis once per bulk fuel shipment. The owner or operator shall keep records of fuel showing oil sulfur content and either a minimum cetane index or a maximum aromatic content for each delivery received. All records must be maintained for a minimum of 2 years following the date of such records per 40 CFR 60.7(f). [N.J.A.C. 7:27-22.16(o)]	None.
11	The owner or operator that must comply with the emission standards specified in NSPS IIII must operate and maintain the stationary CI internal combustion engine and control device, except as permitted under 40 CFR 60.4211(g), according to the manufacturer's emission-related written instructions. In addition, owners and operators may only change emission-related settings that are permitted by the manufacturer. The owner or operator must also meet the requirements of 40 CFR parts 89, 94 and/or 1068, as applicable (NSPS Subpart IIII). [40 CFR 60.4211(a)]	None.	Other: The owner or operator shall keep the manufacturer's emission-related written instructions. [40 CFR 60.4211].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
12	Emergency generators may be operated for the purpose of maintenance checks and readiness testing limited to 100 hours per year, provided that those tests are recommended by Federal, State, or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Anyone may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency ICE beyond 100 hours per year (NSPS Subpart IIII). [40 CFR 60.4211(f)]	Monitored by hour/time monitor continuously. The owner or operator of an emergency stationary internal combustion engine that does not meet the standards applicable to non-emergency engines must install a non-resettable hour meter prior to startup of the engine. [40 CFR 60.4209(a)]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The owner or operator must record the time of operation of the emergency engine and the reason the engine was in operation during that time. Starting with the model year 2011, 2012, or 2013, depending on the maximum engine power as provided in Table 5 in NSPS IIII, the owner or operator must keep records of the operation of the engine in emergency and non-emergency service that are recorded through the non-resettable hour meter if the emergency engine does not meet the standards in 40 CFR 60.4204, applicable to non-emergency engines, in the applicable model year. The emergency engine must comply with the labeling requirements in 40 CFR 60.4210(f). [40 CFR 60.4214(b)]	None.
13	A new or reconstructed stationary RICE located at an area HAP source must meet the requirements of 40 CFR 63 by meeting the requirements of 40 CFR 60 subpart IIII, for compression ignition engines or 40 CFR 60 subpart JJJJ, for spark ignition engines. No further requirements apply for such engines under 40 CFR 63. (MACT ZZZZ) [40 CFR 63.6590(c)]	Other: Comply with all applicable provisions at NSPS IIII. [40 CFR 63].	Other: Comply with all applicable provisions at NSPS IIII. [40 CFR 63].	None.
14	The owner or operator of a 2007 model year and later emergency generator with a displacement of < 10 liters per cylinder and a maximum engine power >= 37 kW (HP >= 50) and no greater than 3,000HP (<= 2,237 kW) must comply with the certification emissions standards in 40 CFR 89.112 and smoke standards in 40 CFR 89.113 for the same model year and maximum engine power as follows: NMHC + NOx <= 4 g/kW-hr, CO <= 5 g/kW-hr, PM <= 0.3 g/kW-hr, weighted average emissions as defined in 40 CFR 89.404. (NSPS Subpart IIII). [40 CFR 60.4205(b)]	None.	Other: The owner or operator of a 2007 model year or later engine must keep manufacturer certification showing compliance with the applicable emission standards, for the same model year and maximum engine power. [40 CFR 60.4211].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
15	The owner or operator of a 2007 model year and later stationary CI internal combustion engine complying with the emission standards specified in 40 CFR 60.4205(b), must comply by purchasing an engine certified to the emission standards in 40 CFR 60.4205(b), for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's emission-related specifications (NSPS Subpart IIII). [40 CFR 60.4211(c)]	None.	Other: The owner or operator must keep documentation from the manufacturer, for the life of the equipment, that the engine is certified to meet the emission standards as applicable, for the same model year and maximum engine power. If the engine and control device is not installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions, or emission-related settings are changed in a way that is not permitted by the manufacturer, the owner or operator must demonstrate compliance as prescribed at 40 CFR 60.4211(g)(1), (2) or (3) depending on the maximum engine power. [40 CFR 60.4211(c)].	None.

PASSAIC VALLEY SEWERAGE COMMISSION (07349)
BOP230003

New Jersey Department of Environmental Protection
Facility Profile (General)

Facility Name (AIMS): Passaic Valley Sewerage Commission

Facility ID (AIMS): 07349

Street Address: PASSAIC VALLEY SEWERAGE COMMISSION
600 WILSON AVE
NEWARK, NJ 07105

Mailing Address: PASSAIC VALLEY SEWERAGE COMMISSION
600 WILSON AVE
NEWARK, NJ 07105

State Plane Coordinates:

X-Coordinate:	596,552
Y-Coordinate:	684,568
Units:	Feet
Datum:	NAD83
Source Org.:	Address Match
Source Type:	Digital Image

County: Essex

Location Description: Wastewater treatment plant in Essex County area, NJ

Industry:

Primary SIC:	4952
Secondary SIC:	
NAICS:	221320

New Jersey Department of Environmental Protection
Facility Profile (General)

Contact Type: **Air Permit Information Contact**

Organization: Passaic Valley Sewerage Commission
Org. Type: Auth/Dist/Comm
Name: Marques Eley
NJ EIN: 00226002471
Title: Senior Engineer
Phone: (973) 466-2969 x
Fax: (973) 817-5709 x
Other: ( ) - x
Type:
Email: MEley@PVSC.COM
Mailing Address: Passaic Valley Sewerage Commission
600 Wilson Avenue
Newark, NJ 07105

Contact Type: **BOP - Operating Permits**

Organization: Passaic Valley Sewerage Commission
Org. Type: Auth/Dist/Comm
Name: Marques Eley
NJ EIN: 00226002471
Title: Process Control Engineer
Phone: (973) 466-2969 x
Fax: (973) 817-5709 x
Other: ( ) - x
Type:
Email: MEley@PVSC.COM
Mailing Address: Passaic Valley Sewerage Commission
600 Wilson Avenue
Newark, NJ 07105

Contact Type: **Compliance Officer**

Organization: Passaic Valley Sewerage Commission
Org. Type: Auth/Dist/Comm
Name: Patricia Lopes
NJ EIN: 00226002471
Title: Dir of Process Control Regulatory Compli
Phone: (973) 817-5983 x
Fax: (973) 817-5709 x
Other: ( ) - x
Type:
Email: plopes@pvsc.com
Mailing Address: Passaic Valley Sewerage Commission
600 Wilson Avenue
Newark, NJ 07105

New Jersey Department of Environmental Protection
Facility Profile (General)

Contact Type: Consultant

Organization: CDM Smith Inc.
Org. Type: Corporation
Name: Disha Shah
NJ EIN:
Title: Environmental Engineer
Phone: (860) 808-2257 x
Fax: (860) 290-7845 x
Other: ( ) - x
Type:
Email: shahdc@cdmsmith.com
Mailing Address: CDM Smith
77 Hartland St
Suite 201
East Hartford, CT 06108

Contact Type: Emission Statements

Organization: Passaic Valley Sewerage Commission
Org. Type: Auth/Dist/Comm
Name: Marques Eley
NJ EIN: 00226002471
Title: Senior Engineer
Phone: (973) 466-2969 x
Fax: (973) 817-5709 x
Other: ( ) - x
Type:
Email: MEley@PVSC.COM
Mailing Address: Passaic Valley Sewerage Commission
600 Wilson Avenue
Newark, NJ 07105

Contact Type: Environmental Officer

Organization: Passaic Valley Sewerage Commission
Org. Type: Auth/Dist/Comm
Name: Patricia Lopes
NJ EIN: 00226002471
Title: Dir of Process Control Regulatory Compli
Phone: (973) 817-5983 x
Fax: (973) 817-5709 x
Other: ( ) - x
Type:
Email: plopes@pvsc.com
Mailing Address: Passaic Valley Sewerage Commission
600 Wilson Avenue
Newark, NJ 07105

New Jersey Department of Environmental Protection
Facility Profile (General)

Contact Type: Fees/Billing Contact

Organization: Passaic Valley Sewerage Commission
Org. Type: Auth/Dist/Comm
Name: Prince Wilson
NJ EIN: 00226002471
Title: Chief Financial Officer
Phone: (973) 817-5726 x
Fax: (973) 344-4392 x
Other: ( ) - x
Type:
Email: pwilson@pvsc.com
Mailing Address: Passaic Valley Sewerage Commission
600 Wilson Avenue
Newark, NJ 07105

Contact Type: General Contact

Organization: Passaic Valley Sewerage Commission
Org. Type: Auth/Dist/Comm
Name: Patricia Lopes
NJ EIN: 00226002471
Title: Dir of Process Control Regulatory Compli
Phone: (973) 817-5983 x
Fax: (973) 817-5709 x
Other: ( ) - x
Type:
Email: plopes@pvsc.com
Mailing Address: Passaic Valley Sewerage Commission
600 Wilson Avenue
Newark, NJ 07105

Contact Type: Legal Counsel

Organization: Passaic Valley Sewerage Commission
Org. Type: Auth/Dist/Comm
Name: Michael Witt
NJ EIN: 00226002471
Title: General Counsel
Phone: (973) 817-5944 x
Fax: (973) 344-7454 x
Other: ( ) - x
Type:
Email: mwitt@PVSC.com
Mailing Address: Passaic Valley Sewerage Commission
600 Wilson Avenue
Newark, NJ 07105

New Jersey Department of Environmental Protection
Facility Profile (General)

Contact Type: NOx RACT Annual Adjust. Report Contact

Organization: Passaic Valley Sewerage Commission
Org. Type: Auth/Dist/Comm
Name: Marques Eley
NJ EIN: 00226002471
Title: Senior Engineer
Phone: (973) 466-2969 x
Fax: (973) 817-5709 x
Other: ( ) - x
Type:
Email: MEley@PVSC.com

Mailing Address: Passaic Valley Sewerage Commission
600 Wilson Avenue
Newark, NJ 07105

Contact Type: On-Site Manager

Organization: Passaic Valley Sewerage Commission
Org. Type: Auth/Dist/Comm
Name: Patricia Lopes
NJ EIN: 00226002471
Title: Dir of Process Control Regulatory Compli
Phone: (973) 817-5983 x
Fax: (973) 817-5709 x
Other: ( ) - x
Type:
Email: plopes@pvsc.com

Mailing Address: Passaic Valley Sewerage Commission
600 Wilson Avenue
Newark, NJ 07105

Contact Type: Operator

Organization: Passaic Valley Sewerage Commission
Org. Type: Auth/Dist/Comm
Name: Craig Spencer
NJ EIN: 00226002471
Title: Plant Superintendent
Phone: (973) 466-2932 x
Fax: (973) 817-5709 x
Other: ( ) - x
Type:
Email: cspencer@pvsc.com

Mailing Address: Passaic Valley Sewerage Commission
600 Wilson Avenue
Newark, NJ 07105

New Jersey Department of Environmental Protection
Facility Profile (General)

Contact Type: Owner (Current Primary)

Organization: Passaic Valley Sewerage Commission
Org. Type: Municipal
Name: Passaic Valley Sewerage Commission
NJ EIN: 00226002471
Title: Owner
Phone: (973) 817-5699 x
Fax: (973) 817-5738 x
Other: ( ) - x
Type:
Email: mdefrancisci@pvsc.com
Mailing Address: Passaic Valley Sewerage Commission
600 Wilson Ave.
Newark, NJ 07105

Contact Type: Regulation Officer

Organization: Passaic Valley Sewerage Commission
Org. Type: Auth/Dist/Comm
Name: Patricia Lopes
NJ EIN: 00226002471
Title: Dir of Process Control Regulatory Compli
Phone: (973) 817-5983 x
Fax: (973) 817-5709 x
Other: ( ) - x
Type:
Email: plopes@pvsc.com
Mailing Address: Passaic Valley Sewerage Commission
600 Wilson Avenue
Newark, NJ 07105

Contact Type: Responsible Official

Organization: Passaic Valley Sewerage Commission
Org. Type: Auth/Dist/Comm
Name: Thomas Laustsen
NJ EIN: 00226002471
Title: Chief Operating Officer
Phone: (973) 817-5980 x
Fax: (973) 817-5709 x
Other: (973) 817-5991 x
Type: Other Line
Email: TLaustsen@PVSC.com
Mailing Address: Passaic Valley Sewerage Commission
600 Wilson Avenue
Newark, NJ 07105

New Jersey Department of Environmental Protection
Facility Profile (General)

Contact Type: Responsible Party

Organization: Passaic Valley Sewerage Commission
Org. Type: Auth/Dist/Comm
Name: Thomas Laustsen
NJ EIN: 00226002471
Title: Chief Operating Officer
Phone: (973) 817-5980 x
Fax: (973) 817-5709 x
Other: (973) 817-5991 x
Type: Other Line
Email: TLaustsen@PVSC.com
Mailing Address: Passaic Valley Sewerage Commission
600 Wilson Avenue
Newark, NJ 07105

Contact Type: Security Contact

Organization:
Org. Type: Auth/Dist/Comm
Name: Christopher O'Shea
NJ EIN: 00226002471
Title: Dir of Security and Safety
Phone: (973) 817-5861 x
Fax: ( ) - x
Other: ( ) - x
Type:
Email: coshea@pvsc.com
Mailing Address: Passaic Valley Sewerage Commission
600 Wilson Avenue
Newark, NJ 07105

Contact Type: Title V Compliance Certification Contact

Organization: Passaic Valley Sewerage Commission
Org. Type: Auth/Dist/Comm
Name: Marques Eley
NJ EIN: 00226002471
Title: Senior Engineer
Phone: (973) 466-2969 x
Fax: (973) 817-5709 x
Other: ( ) - x
Type:
Email: MEley@PVSC.com
Mailing Address: Passaic Valley Sewerage Commission
600 Wilson Avenue
Newark, NJ 07105

PASSAIC VALLEY SEWERAGE COMMISSION (07349)
BOP230003

Date: 11/28/2023

New Jersey Department of Environmental Protection
Insignificant Source Emissions

IS NJID	Source/Group Description	Equipment Type	Location Description	Estimate of Emissions (tpy)								
				VOC (Total)	NOx	CO	SO	TSP	PM-10	Pb	HAPS (Total)	Other (Total)
IS1	7 Storage Tanks - Vapor Pressure < 0.02 psia or Capacity < 2000 gal	Storage Vessel	Various Plant Locations									
IS2	16 Boilers and Water Heaters, Indirect Fired - Max Gross Heat Input < 1 MMBtu/hr	Fuel Combustion Equipment (Other)	Various Plant Locations									
IS3	21 Space Heaters and Thermal Oxidizers, Direct Fired - Max Gross Heat Input < 1 MMBtu/hr	Fuel Combustion Equipment (Other)	Various Plant Locations									
IS5	6 Cold Cleaning Machines <=6 sq. ft., open top, <= 100 gal capacity, > 2 gal solvents, > 5% VOC content	Cleaning Machine (Open Top: Cold)	Various Plant Locations									
IS7	2 Emergency Generators, Max Heat Input < 1 MMBTU/hr	Emergency Generator	Various Plant Locations	0.000	0.200	0.500	0.000	0.100	0.100	0.000	0.00000000	10.000
Total				3.545	9.203	0.500	0.000	0.100	0.100	0.000	0.00000000	10.000

PASSAIC VALLEY SEWERAGE COMMISSION (07349) Date: 11/28/2023

BOP230003

New Jersey Department of Environmental Protection
Equipment Inventory

Equip. NJID	Facility's Designation	Equipment Description	Equipment Type	Certificate Number	Install Date	Grand-Fathered	Last Mod. (Since 1968)	Equip. Set ID
E6	NJS 016	Oxygen Production Building Boiler #1 (10.4 mmbtu/hr)	Boiler	PCP960005	7/1/1981	No	3/1/1994	
E7	NJS 016	Oxygen Production Building Boiler #2 (10.4 mmbtu/hr)	Boiler	PCP960005	7/1/1981	No	3/1/1994	
E10	NJS 020	Grit and Screening Boiler #1 (1.701 MMBtu/hr)	Boiler	GEN040001	1/19/2004	No		
E11	NJS 020	Grit and Screening Boiler #2 (1.701 MMBtu/hr)	Boiler	GEN040001	1/19/2004	No		
E12	NJS 021	Wet Weather Pump Station Boiler #1 (1.714 mmbtu/hr)	Boiler	PCP960008	9/30/2013	No		
E13	NJS 021	Wet Weather Pump Station Boiler #2 (1.714 mmbtu/hr)	Boiler	PCP960008	9/30/2013	No		
E19	NJS 030	Lime Storage Silo #1 with baghouse for particulate control	Storage Vessel	PCP960013		No	8/23/1991	
E20	NJS 031	Lime Storage Silo #2 with baghouse for particulate control	Storage Vessel	PCP960014		No	8/23/1991	
E21	NJS 032	Lime Storage Silo #3 with baghouse for particulate control	Storage Vessel	PCP960015		No	8/23/1991	
E23	NJS 034	Auto-Truck Paint Spray Booth	Surface Coating Equipment (Non-Fabric Material)	PCP960017	1/2/1990	No		
E25	NJS 036	Lime Bin #1 with baghouse for particulate control	Storage Vessel	PCP960019	3/12/1991	No	8/23/1991	
E26	NJS 037	Lime Bin #2 with baghouse for particulate control	Storage Vessel	PCP960020	3/12/1991	No	8/21/1991	

New Jersey Department of Environmental Protection
Equipment Inventory

Equip. NJID	Facility's Designation	Equipment Description	Equipment Type	Certificate Number	Install Date	Grand-Fathered	Last Mod. (Since 1968)	Equip. Set ID
E27	NJS 038	Sludge Filter Presses U23	Other Equipment	PCP960021	3/1/1991	No	3/1/1991	
E28	NJS 039	Sludge Loading Building Ventilation	Other Equipment	PCP960022	3/1/1991	No	3/1/1991	
E29	NJS 041	Sludge Heat Treatment Boiler #1	Boiler	PCP960024	11/1/1992	No		
E30	NJS 042	Sludge Heat Treatment Boiler #2	Boiler	PCP960025	11/1/1992	No		
E31	NJS 043	Sludge Heat Treatment Boiler #3	Boiler	PCP960026	11/1/1992	No		
E32	NJS 040	Sludge Heat Treatment Boiler #4	Boiler	PCP960023	11/1/1992	No		
E33		NaOCl Storage Tank #1	Storage Vessel	PCP970001	9/15/1997	No		
E34		NaOCl Storage Tank #2	Storage Vessel	PCP970002	9/15/1997	No		
E35		NaOCl Storage Tank #3	Storage Vessel	PCP970004	9/15/1997	No		
E36		NaOCl Storage Tank #4	Storage Vessel	PCP970005	9/15/1997	No		
E37		NaOCl Storage Tank #5	Storage Vessel	PCP970003	9/15/1997	No		
E38		Centrifuge Facility Hot Water Heater #1	Process Heater	PCP960027		No		
E39		Centrifuge Facility Hot Water Heater #2	Process Heater	PCP960027		No		
E51		Fine Screens	Other Equipment	P-1968		Yes		
E52		Grit Channels	Other Equipment	P-1968		Yes		
E53		Influent Screw Pumps	Other Equipment	P-1968		Yes		

New Jersey Department of Environmental Protection
Equipment Inventory

Equip. NJID	Facility's Designation	Equipment Description	Equipment Type	Certificate Number	Install Date	Grand-Fathered	Last Mod. (Since 1968)	Equip. Set ID
E59		Primary Clarifiers	Other Equipment	P-1968		Yes		
E64	EQTank12	Equalization Tank 12	Other Equipment					
E71		Oxygenation Tanks	Other Equipment	P-1968		Yes		
E72		Final Clarifiers	Other Equipment	P-1968		Yes		
E73		Return Sludge Screw Pump Facilities	Other Equipment	P-1968		Yes		
E74		Gravity Thickeners	Other Equipment	P-1968		Yes		
E75		Chlorination Facilities	Other Equipment	P-1968		Yes		
E79	TC-1	Thickening Centrifuge #1	Other Equipment	PCP020001	8/1/2001	No		
E80	TC-2	Thickening Centrifuge #2	Other Equipment	PCP020001	8/1/2001	No		
E81	TC-3	Thickening Centrifuge #3	Other Equipment	PCP020001	8/1/2001	No		
E82	TC-4	Thickening Centrifuge #4	Other Equipment	PCP020001	8/1/2001	No		
E83	TC-5	Thickening Centrifuge #5	Other Equipment	PCP020001	8/1/2001	No		
E84	TSW-1	Thickener Sludge Wetwell #1	Other Equipment					
E85	TSW-2	Thickener Sludge Wetwell #2	Other Equipment					
E86	TSW-3	Thickener Sludge Wetwell #3	Other Equipment					
E87	TSW-4	Thickener Sludge Wetwell #4	Other Equipment					
E88	TSW-5	Thickener Sludge Wetwell #5	Other Equipment					
E89	TSW-6	Thickener Sludge Wetwell #6	Other Equipment					
E103	SprBthHeater	Auto-Truck Paint Spray Booth Air Replacement Heater	Fuel Combustion Equipment (Other)	PCP960017	1/2/1990	No		

New Jersey Department of Environmental Protection
Equipment Inventory

Equip. NJID	Facility's Designation	Equipment Description	Equipment Type	Certificate Number	Install Date	Grand-Fathered	Last Mod. (Since 1968)	Equip. Set ID
E106	O&M Boiler 2	O&M Boiler No. 2	Boiler	PCP960011		No	8/1/1996	
E107	O&M Boiler 3	O&M Boiler No. 3	Boiler	PCP960011		No	8/1/1996	
E108	CAT600	CAT600	Emergency Generator	gop130005		No		
E109	CATXQ350	CATXQ350	Emergency Generator	GOP130003		No		
E110	CATXQ200	CATZQ200	Emergency Generator	GOP130002		No		
E111	MMG130	MMG130	Emergency Generator	GOP130004		No		
E201	SST1	Sludge Storage Tank 1	Storage Vessel	PCP010002	7/1/1991	No	5/22/2005	
E202	SST2	Sludge Storage Tank 2	Storage Vessel	PCP010002	7/1/1991	No	5/22/2005	
E205	SST5	Sludge Storage Tank 5	Storage Vessel	PCP010002	7/1/1991	No	5/22/2005	
E206	SST6	Sludge Storage Tan 6	Storage Vessel	PCP010002	7/1/1991	No	5/22/2005	
E207	GASTANK1	Vehicle Maintenance Gasoline Underground Storage Tank #1 (10,000 gallons)	Storage Vessel		10/24/2022	No		
E208	GASTANK2	Vehicle Maintenance Gasoline Underground Storage Tank #2 (6,000 gallons)	Storage Vessel		10/24/2022	No		
E1501	MixConvey #1	Mixing Conveyor #1	Other Equipment	PCP960016	1/15/1991	No	11/20/1995	
E1502	MixConvey #2	Mixing Conveyor #2	Other Equipment	PCP960016	1/15/1991	No	11/20/1995	
E1503	Belt Elev #1	Belt Elevator #1	Other Equipment	PCP960016	1/15/1991	No	11/20/1995	
E1504	Belt Elev #2	Belt Elevator #2	Other Equipment	PCP960016	1/15/1991	No	11/20/1995	
E1505	Cent Cen Scr	Centrifuge Centrate Screw Conveyor	Other Equipment	PCP960016	1/15/1991	No	11/20/1995	

New Jersey Department of Environmental Protection
Equipment Inventory

Equip. NJID	Facility's Designation	Equipment Description	Equipment Type	Certificate Number	Install Date	Grand-Fathered	Last Mod. (Since 1968)	Equip. Set ID
E1506	SolidScrConv	Solids Screw Conveyor	Other Equipment	PCP960016	1/15/1991	No	11/20/1995	
E1507	SludgSilo #1	Sludge Storage Silo #1	Storage Vessel	PCP960016 and PCP970006	1/15/1991	No	11/20/1995	
E1508	SludgSilo #3	Sludge Storage Silo #3	Storage Vessel	PCP960016 and PCP970006	1/15/1991	No	11/20/1995	
E1509	DidSludWetWl	Digested Sludge Wetwell	Other Equipment	PCP960016	1/15/1991	No	11/20/1995	
E1510	Wetwell #1	Wetwell #1	Other Equipment	PCP960016	1/15/1991	No	11/20/1995	
E1511	Wetwell #2	Wetwell #2	Other Equipment	PCP960016	1/15/1991	No	11/20/1995	
E1601	SludgeTank#1	Sludge Storage Tank #1	Storage Vessel	PCP970006	8/1/1991	No	10/10/1997	
E1603	SldgDecant#1	Sludge Decant Tank #1	Manufacturing and Materials Handling Equipment	PCP970006	8/1/1991	No	10/10/1997	
E1604	SldgDecant#2	Sludge Decant Tank #2	Manufacturing and Materials Handling Equipment	PCP970006	8/1/1991	No	10/10/1997	
E1605	SldgDecant#3	Sludge Decant Tank #3	Manufacturing and Materials Handling Equipment	PCP970006	8/1/1991	No	10/10/1997	
E1606	SldgDecant#4	Sludge Decant Tank #4	Manufacturing and Materials Handling Equipment	PCP970006	8/1/1991	No	10/10/1997	
E1607	SldgDecant#5	Sludge Decant Tank #5	Manufacturing and Materials Handling Equipment	PCP970006	8/1/1991	No	10/10/1997	

New Jersey Department of Environmental Protection
Equipment Inventory

Equip. NJID	Facility's Designation	Equipment Description	Equipment Type	Certificate Number	Install Date	Grand-Fathered	Last Mod. (Since 1968)	Equip. Set ID
E1608	SldgDecant#6	Sludge Decant Tank #6	Manufacturing and Materials Handling Equipment	PCP970006	8/1/1991	No	10/10/1997	
E1609	FiltraPot #1	Filtrate Pot #1	Manufacturing and Materials Handling Equipment	PCP970006	8/1/1991	No	10/10/1997	
E1610	FiltraPot #2	Filtrate Pot #2	Manufacturing and Materials Handling Equipment	PCP970006	8/1/1991	No	10/10/1997	
E1611	FiltraPot #3	Filtrate Pot #3	Manufacturing and Materials Handling Equipment	PCP970006	8/1/1991	No	10/10/1997	
E1612	FiltraPot #4	Filtrate Pot #4	Manufacturing and Materials Handling Equipment	PCP970006	8/1/1991	No	10/10/1997	
E1613	FiltraPot #5	Filtrate Pot #5	Manufacturing and Materials Handling Equipment	PCP970006	8/1/1991	No	10/10/1997	
E1614	SldgFeWeWell	Sludge Feed Wetwell	Manufacturing and Materials Handling Equipment	PCP970006	8/1/1991	No	10/10/1997	
E1615	FiltrWetWell	Filtrate Wetwell	Manufacturing and Materials Handling Equipment	PCP970006	8/1/1991	No	10/10/1997	
E1616	BeltElev#1	Belt Elevator #1	Manufacturing and Materials Handling Equipment	PCP970006	8/1/1991	No	10/10/1997	

New Jersey Department of Environmental Protection
Equipment Inventory

Equip. NJID	Facility's Designation	Equipment Description	Equipment Type	Certificate Number	Install Date	Grand-Fathered	Last Mod. (Since 1968)	Equip. Set ID
E1617	BeltElev#2	Belt Elevator #2	Manufacturing and Materials Handling Equipment	PCP970006	8/1/1991	No	10/10/1997	
E1618	SludgSilo #2	Sludge Storage Silo #2	Storage Vessel	PCP970006	8/1/1991	No	10/10/1997	
E1619	SludgSilo #4	Sludge Storage Silo #4	Storage Vessel	PCP970006	8/1/1991	No	10/10/1997	
E1620	GASTANK2	Vehicle Maintenance Gasoline Underground Storage Tanks #1 and #2. (Tank 1 - 10,000 gallons & Tank 2 - 6,000 gallons)	Storage Vessel		10/24/2022	No		
E1621	NJS 016	Oxygen Production Building Boiler #1 (10.4 mmbtu/hr)	Boiler	PCP960005	7/1/1981	No	3/1/1994	

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E6 (Boiler)
Print Date: 5/11/2023

Make:	Cleaver Brooks
Manufacturer:	Cleaver Brooks
Model:	CB-100-250
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	10.40
Boiler Type:	Fire Tube
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	21,528.00
Fuel Firing Method:	Other firing method
Description (if other):	gas burner
Draft Type:	Forced
Heat Exchange Type:	Direct

Is the boiler using? (check all that apply):

Low NOx Burner:	☐	Type:
Staged Air Combustion:	☐	
Flue Gas Recirculation (FGR):	☐	Amount (%):

Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No

Comments:

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E7 (Boiler)
Print Date: 5/11/2023

Make:	Cleaver Brooks
Manufacturer:	Cleaver Brooks
Model:	CB-100-250
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	10.40
Boiler Type:	Fire Tube
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	21,528.00
Fuel Firing Method:	Other firing method
Description (if other):	gas burner
Draft Type:	Forced
Heat Exchange Type:	Direct

Is the boiler using? (check all that apply):

Low NOx Burner:	☐ Type:	
Staged Air Combustion:	☐	
Flue Gas Recirculation (FGR):	☐ Amount (%):	

Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No

Comments:

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E10 (Boiler)
Print Date: 5/11/2023

Make:	Model 88 Series 1
Manufacturer:	Weil McLain
Model:	1088
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.70
Boiler Type:	Water Tube
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	1,753.00
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

Is the boiler using? (check all that apply):

Low NOx Burner:	☐	Type:
Staged Air Combustion:	☐	
Flue Gas Recirculation (FGR):	☐	Amount (%):

Have you attached a diagram showing the location and/or the configuration of this equipment? No

Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application? No

Comments:

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E11 (Boiler)
Print Date: 5/11/2023

Make:	Model 88 Series 1
Manufacturer:	Weil McLain
Model:	1088
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.70
Boiler Type:	Water Tube
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	1,753.00
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

Is the boiler using? (check all that apply):

Low NOx Burner:	☐	Type:
Staged Air Combustion:	☐	
Flue Gas Recirculation (FGR):	☐	Amount (%):

Have you attached a diagram showing the location and/or the configuration of this equipment? Yes

Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application? No

Comments:

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E12 (Boiler)
Print Date: 5/11/2023

Make:	Superior
Manufacturer:	Superior
Model:	MS7-X
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.68
Boiler Type:	Water Tube
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	1,731.00
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Direct

Is the boiler using? (check all that apply):

Low NOx Burner:	☐	Type:
Staged Air Combustion:	☐	
Flue Gas Recirculation (FGR):	☐	Amount (%):

Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No

Comments:

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E13 (Boiler)
Print Date: 5/11/2023

Make:	Superior
Manufacturer:	Superior
Model:	MS7-X
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.68
Boiler Type:	Water Tube
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	1,731.00
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Direct

Is the boiler using? (check all that apply):

Low NOx Burner:	☐ Type:	
Staged Air Combustion:	☐	
Flue Gas Recirculation (FGR):	☐ Amount (%):	

Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No

Comments:

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E19 (Storage Vessel)
Print Date: 5/11/2023

What type of contents is this storage vessel equipped to contain by design?	Solids Only
Storage Vessel Type:	Silo
Design Capacity:	19,000
Units:	ft^3
Ground Location:	Above Ground
Is the Shell of the Equipment Exposed to Sunlight?	
Shell Color:	
Description (if other):	
Shell Condition:	Light Rust
Paint Condition:	
Shell Construction:	Welded
Is the Shell Insulated?	
Type of Insulation:	
Insulation Thickess (in):	
Thermal Conductivity of Insulation [(BTU)(in)(hr)(ft2)(deg F)]:	
Shape of Storage Vessel:	Cylindrical
Shell Height (From Ground to Roof Bottom) (ft):	30.00
Length (ft):	45.00
Width (ft):	
Diameter (ft):	12.00
Other Dimension	
Description:	
Value:	
Units:	
Fill Method:	Other
Description (if other):	pneumatic
Maximum Design Fill Rate:	17.00
Units:	ft^3/min
Does the storage vessel have a roof or an open top?	Roof
Roof Type:	Horizontal fixed roof tank
Roof Height (From Roof Bottom to Roof Top) (ft):	20.00
Roof Construction:	
Primary Seal Type:	
Secondary Seal Type:	
Total Number of Seals:	
Roof Support:	
Does the storage vessel have a Vapor Return Loop?	
Does the storage vessel	

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E19 (Storage Vessel)
Print Date: 5/11/2023

Does the storage vessel have a Conservation Vent?	
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	Out of service

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E20 (Storage Vessel)
Print Date: 5/11/2023

What type of contents is this storage vessel equipped to contain by design?	Solids Only
Storage Vessel Type:	Silo
Design Capacity:	19,000
Units:	ft^3
Ground Location:	Above Ground
Is the Shell of the Equipment Exposed to Sunlight?	
Shell Color:	
Description (if other):	
Shell Condition:	Light Rust
Paint Condition:	
Shell Construction:	Welded
Is the Shell Insulated?	
Type of Insulation:	
Insulation Thickess (in):	
Thermal Conductivity of Insulation [(BTU)(in)(hr)(ft2)(deg F)]:	
Shape of Storage Vessel:	Cylindrical
Shell Height (From Ground to Roof Bottom) (ft):	30.00
Length (ft):	45.00
Width (ft):	
Diameter (ft):	12.00
Other Dimension	
Description:	
Value:	
Units:	
Fill Method:	Other
Description (if other):	pneumatic
Maximum Design Fill Rate:	17.00
Units:	ft^3/min
Does the storage vessel have a roof or an open top?	Roof
Roof Type:	Horizontal fixed roof tank
Roof Height (From Roof Bottom to Roof Top) (ft):	20.00
Roof Construction:	
Primary Seal Type:	
Secondary Seal Type:	
Total Number of Seals:	
Roof Support:	
Does the storage vessel have a Vapor Return Loop?	
Does the storage vessel	

Does the storage vessel have a Conservation Vent?	
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	

What type of contents is this storage vessel equipped to contain by design?	Solids Only
Storage Vessel Type:	Silo
Design Capacity:	19,000
Units:	ft^3
Ground Location:	Above Ground
Is the Shell of the Equipment Exposed to Sunlight?	
Shell Color:	
Description (if other):	
Shell Condition:	Light Rust
Paint Condition:	
Shell Construction:	Welded
Is the Shell Insulated?	
Type of Insulation:	
Insulation Thickess (in):	
Thermal Conductivity of Insulation [(BTU)(in)(hr)(ft2)(deg F)]:	
Shape of Storage Vessel:	Cylindrical
Shell Height (From Ground to Roof Bottom) (ft):	30.00
Length (ft):	45.00
Width (ft):	
Diameter (ft):	12.00
Other Dimension	
Description:	
Value:	
Units:	
Fill Method:	Other
Description (if other):	pneumatic
Maximum Design Fill Rate:	17.00
Units:	ft^3/min
Does the storage vessel have a roof or an open top?	Roof
Roof Type:	Horizontal fixed roof tank
Roof Height (From Roof Bottom to Roof Top) (ft):	20.00
Roof Construction:	
Primary Seal Type:	
Secondary Seal Type:	
Total Number of Seals:	
Roof Support:	
Does the storage vessel have a Vapor Return Loop?	
Does the storage vessel	

Does the storage vessel have a Conservation Vent?	
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E23 (Surface Coating Equipment (Non-Fabric Material))

Make:	De Vilbiss
Manufacturer:	De Vilbiss
Model:	Cross Draft
Method of Application:	Spray — Spray Type: Air-Assisted
Description:	

Have you attached a diagram showing the location and/or the configuration of this equipment?

- ○ Yes
- ● No

Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?

- ○ Yes
- ● No

Comments:

What type of contents is this storage vessel equipped to contain by design?	Solids Only
Storage Vessel Type:	Silo
Design Capacity:	1,000
Units:	ft^3
Ground Location:	Above Ground
Is the Shell of the Equipment Exposed to Sunlight?	
Shell Color:	
Description (if other):	
Shell Condition:	Light Rust
Paint Condition:	
Shell Construction:	Welded
Is the Shell Insulated?	
Type of Insulation:	
Insulation Thickess (in):	
Thermal Conductivity of Insulation [(BTU)(in)(hr)(ft2)(deg F)]:	
Shape of Storage Vessel:	Cylindrical
Shell Height (From Ground to Roof Bottom) (ft):	20.00
Length (ft):	21.00
Width (ft):	
Diameter (ft):	8.00
Other Dimension	
Description:	
Value:	
Units:	
Fill Method:	Other
Description (if other):	pneumatic
Maximum Design Fill Rate:	17.00
Units:	ft^3/min
Does the storage vessel have a roof or an open top?	Roof
Roof Type:	Horizontal fixed roof tank
Roof Height (From Roof Bottom to Roof Top) (ft):	10.00
Roof Construction:	
Primary Seal Type:	
Secondary Seal Type:	
Total Number of Seals:	
Roof Support:	
Does the storage vessel have a Vapor Return Loop?	
Does the storage vessel	

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E25 (Storage Vessel)
Print Date: 5/11/2023

Does the storage vessel have a Conservation Vent?	
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	Previously named "Lime Day Tank #1"

What type of contents is this storage vessel equipped to contain by design?	Solids Only
Storage Vessel Type:	Silo
Design Capacity:	1,000
Units:	ft^3
Ground Location:	Above Ground
Is the Shell of the Equipment Exposed to Sunlight?	
Shell Color:	
Description (if other):	
Shell Condition:	Light Rust
Paint Condition:	
Shell Construction:	Welded
Is the Shell Insulated?	
Type of Insulation:	
Insulation Thickess (in):	
Thermal Conductivity of Insulation [(BTU)(in)(hr)(ft2)(deg F)]:	
Shape of Storage Vessel:	Cylindrical
Shell Height (From Ground to Roof Bottom) (ft):	20.00
Length (ft):	21.00
Width (ft):	
Diameter (ft):	8.00
Other Dimension	
Description:	
Value:	
Units:	
Fill Method:	Other
Description (if other):	pneumatic
Maximum Design Fill Rate:	17.00
Units:	ft^3/min
Does the storage vessel have a roof or an open top?	Roof
Roof Type:	Horizontal fixed roof tank
Roof Height (From Roof Bottom to Roof Top) (ft):	10.00
Roof Construction:	
Primary Seal Type:	
Secondary Seal Type:	
Total Number of Seals:	
Roof Support:	
Does the storage vessel have a Vapor Return Loop?	
Does the storage vessel	

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E26 (Storage Vessel)
Print Date: 5/11/2023

Does the storage vessel have a Conservation Vent?	
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	Previously named "Lime Day Tank #2"

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E27 (Other Equipment)
Print Date: 5/11/2023

Make:	Filter Press
Manufacturer:	Andritz Filter Press
Model:	PVSC
Equipment Type:	Five filter presses, each with 123-150 2 m x 2 m ductile iron recessed chamber plates.
Capacity:	570.00
Units:	dry tons/day
Description:	

Have you attached a diagram showing the location and/or the configuration of this equipment?

- ○ Yes
- ● No

Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?

- ○ Yes
- ● No

Comments:

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E28 (Other Equipment)
Print Date: 5/11/2023

Make:	PVSC
Manufacturer:	PVSC
Model:	PVSC
Equipment Type:	Ventilation system for the cake storage facility (Silos)
Capacity:	1,000.00
Units:	tons/day
Description:	

Have you attached a diagram showing the location and/or the configuration of this equipment?

- ○ Yes
- ● No

Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?

- ○ Yes
- ● No

Comments:

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E29 (Boiler)
Print Date: 5/11/2023

Make:	Babcock & Wilcox
Manufacturer:	Babcock & Wilcox
Model:	Type FM 10-70
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	67.10
Boiler Type:	Water Tube
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	50,000.00
Fuel Firing Method:	Other firing method
Description (if other):	Gas burner
Draft Type:	Forced
Heat Exchange Type:	Indirect

Is the boiler using? (check all that apply):

Low NOx Burner:	☑ Type:	Coen Model 650 OAF 26
Staged Air Combustion:	☐	
Flue Gas Recirculation (FGR):	☐ Amount (%):	

Have you attached a diagram showing the location and/or the configuration of this equipment? Yes

Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application? No

Comments:

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E30 (Boiler)
Print Date: 5/11/2023

Make:	Babcock & Wilcox
Manufacturer:	Babcock & Wilcox
Model:	Type FM 10-70
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	67.10
Boiler Type:	Water Tube
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	50,000.00
Fuel Firing Method:	Other firing method
Description (if other):	Gas burner
Draft Type:	Forced
Heat Exchange Type:	Indirect

Is the boiler using? (check all that apply):

Low NOx Burner:	☑ Type:	Coen Model 650 OAF 26
Staged Air Combustion:	☐	
Flue Gas Recirculation (FGR):	☐ Amount (%):	

Have you attached a diagram showing the location and/or the configuration of this equipment? Yes

Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application? No

Comments:

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E31 (Boiler)
Print Date: 5/11/2023

Make:	Babcock & Wilcox
Manufacturer:	Babcock & Wilcox
Model:	Type FM 10-70
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	67.10
Boiler Type:	Water Tube
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	50,000.00
Fuel Firing Method:	Other firing method
Description (if other):	Gas burner
Draft Type:	Forced
Heat Exchange Type:	Indirect

Is the boiler using? (check all that apply):

Low NOx Burner:	☑ Type:	Coen Model 650 OAF 26
Staged Air Combustion:	☐	
Flue Gas Recirculation (FGR):	☐ Amount (%):	

Have you attached a diagram showing the location and/or the configuration of this equipment? Yes

Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application? No

Comments:

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E32 (Boiler)
Print Date: 5/11/2023

Make:	Babcock & Wilcox
Manufacturer:	Babcock & Wilcox
Model:	Type FM 10-70
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	67.10
Boiler Type:	Water Tube
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	50,000.00
Fuel Firing Method:	Other firing method
Description (if other):	Gas burner/oil burner
Draft Type:	Forced
Heat Exchange Type:	Indirect

Is the boiler using? (check all that apply):

Low NOx Burner:	☑ Type:	Coen Model 650 OAF 26
Staged Air Combustion:	☐	
Flue Gas Recirculation (FGR):	☐ Amount (%):	

Have you attached a diagram showing the location and/or the configuration of this equipment? Yes

Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application? No

Comments:

What type of contents is this storage vessel equipped to contain by design?	Liquids Only
Storage Vessel Type:	Tank
Design Capacity:	31,000
Units:	gallons
Ground Location:	Above Ground
Is the Shell of the Equipment Exposed to Sunlight?	Yes
Shell Color:	White
Description (if other):	
Shell Condition:	
Paint Condition:	Good
Shell Construction:	
Is the Shell Insulated?	No
Type of Insulation:	
Insulation Thickess (in):	
Thermal Conductivity of Insulation [(BTU)(in)(hr)(ft2)(deg F)]:	
Shape of Storage Vessel:	Cylindrical
Shell Height (From Ground to Roof Bottom) (ft):	38.00
Length (ft):	
Width (ft):	
Diameter (ft):	12.00
Other Dimension	
Description:	
Value:	
Units:	
Fill Method:	Submerged
Description (if other):	
Maximum Design Fill Rate:	175.00
Units:	gal/min
Does the storage vessel have a roof or an open top?	Roof
Roof Type:	Vertical fixed roof tank
Roof Height (From Roof Bottom to Roof Top) (ft):	
Roof Construction:	
Primary Seal Type:	
Secondary Seal Type:	
Total Number of Seals:	
Roof Support:	
Does the storage vessel have a Vapor Return Loop?	No
Does the storage vessel	

Does the storage vessel have a Conservation Vent?	No
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No

Comments:

What type of contents is this storage vessel equipped to contain by design?	Liquids Only
Storage Vessel Type:	Tank
Design Capacity:	31,000
Units:	gallons
Ground Location:	Above Ground
Is the Shell of the Equipment Exposed to Sunlight?	Yes
Shell Color:	White
Description (if other):	
Shell Condition:	
Paint Condition:	Good
Shell Construction:	
Is the Shell Insulated?	No
Type of Insulation:	
Insulation Thickess (in):	
Thermal Conductivity of Insulation [(BTU)(in)(hr)(ft2)(deg F)]:	
Shape of Storage Vessel:	Cylindrical
Shell Height (From Ground to Roof Bottom) (ft):	38.00
Length (ft):	
Width (ft):	
Diameter (ft):	12.00
Other Dimension	
Description:	
Value:	
Units:	
Fill Method:	Submerged
Description (if other):	
Maximum Design Fill Rate:	175.00
Units:	gal/min
Does the storage vessel have a roof or an open top?	Roof
Roof Type:	Horizontal fixed roof tank
Roof Height (From Roof Bottom to Roof Top) (ft):	
Roof Construction:	
Primary Seal Type:	
Secondary Seal Type:	
Total Number of Seals:	
Roof Support:	
Does the storage vessel have a Vapor Return Loop?	No
Does the storage vessel	

Does the storage vessel have a Conservation Vent?	No
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	

What type of contents is this storage vessel equipped to contain by design?	Liquids Only
Storage Vessel Type:	Tank
Design Capacity:	31,000
Units:	gallons
Ground Location:	Above Ground
Is the Shell of the Equipment Exposed to Sunlight?	Yes
Shell Color:	White
Description (if other):	
Shell Condition:	
Paint Condition:	Good
Shell Construction:	
Is the Shell Insulated?	No
Type of Insulation:	
Insulation Thickess (in):	
Thermal Conductivity of Insulation [(BTU)(in)(hr)(ft2)(deg F)]:	
Shape of Storage Vessel:	Cylindrical
Shell Height (From Ground to Roof Bottom) (ft):	38.00
Length (ft):	
Width (ft):	
Diameter (ft):	12.00
Other Dimension	
Description:	
Value:	
Units:	
Fill Method:	Submerged
Description (if other):	
Maximum Design Fill Rate:	175.00
Units:	gal/min
Does the storage vessel have a roof or an open top?	Roof
Roof Type:	Horizontal fixed roof tank
Roof Height (From Roof Bottom to Roof Top) (ft):	
Roof Construction:	
Primary Seal Type:	
Secondary Seal Type:	
Total Number of Seals:	
Roof Support:	
Does the storage vessel have a Vapor Return Loop?	No
Does the storage vessel	

Does the storage vessel have a Conservation Vent?	No
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	

What type of contents is this storage vessel equipped to contain by design?	Liquids Only
Storage Vessel Type:	Tank
Design Capacity:	31,000
Units:	gallons
Ground Location:	Above Ground
Is the Shell of the Equipment Exposed to Sunlight?	Yes
Shell Color:	White
Description (if other):	
Shell Condition:	
Paint Condition:	Good
Shell Construction:	
Is the Shell Insulated?	No
Type of Insulation:	
Insulation Thickess (in):	
Thermal Conductivity of Insulation [(BTU)(in)(hr)(ft2)(deg F)]:	
Shape of Storage Vessel:	Cylindrical
Shell Height (From Ground to Roof Bottom) (ft):	38.00
Length (ft):	
Width (ft):	
Diameter (ft):	12.00
Other Dimension	
Description:	
Value:	
Units:	
Fill Method:	Submerged
Description (if other):	
Maximum Design Fill Rate:	175.00
Units:	gal/min
Does the storage vessel have a roof or an open top?	Roof
Roof Type:	Horizontal fixed roof tank
Roof Height (From Roof Bottom to Roof Top) (ft):	
Roof Construction:	
Primary Seal Type:	
Secondary Seal Type:	
Total Number of Seals:	
Roof Support:	
Does the storage vessel have a Vapor Return Loop?	No
Does the storage vessel	

Does the storage vessel have a Conservation Vent?	No
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No

Comments:

What type of contents is this storage vessel equipped to contain by design?	Liquids Only
Storage Vessel Type:	Tank
Design Capacity:	31,000
Units:	gallons
Ground Location:	Above Ground
Is the Shell of the Equipment Exposed to Sunlight?	Yes
Shell Color:	White
Description (if other):	
Shell Condition:	
Paint Condition:	Good
Shell Construction:	
Is the Shell Insulated?	No
Type of Insulation:	
Insulation Thickess (in):	
Thermal Conductivity of Insulation [(BTU)(in)(hr)(ft2)(deg F)]:	
Shape of Storage Vessel:	Cylindrical
Shell Height (From Ground to Roof Bottom) (ft):	38.00
Length (ft):	
Width (ft):	
Diameter (ft):	12.00
Other Dimension	
Description:	
Value:	
Units:	
Fill Method:	Submerged
Description (if other):	
Maximum Design Fill Rate:	175.00
Units:	gal/min
Does the storage vessel have a roof or an open top?	Roof
Roof Type:	Horizontal fixed roof tank
Roof Height (From Roof Bottom to Roof Top) (ft):	
Roof Construction:	
Primary Seal Type:	
Secondary Seal Type:	
Total Number of Seals:	
Roof Support:	
Does the storage vessel have a Vapor Return Loop?	No
Does the storage vessel	

Does the storage vessel have a Conservation Vent?	No
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E38 (Process Heater)
Print Date: 5/11/2023

Make:	Turbopower
Manufacturer:	PVI
Model:	2000 N 300A-TP
Equipment Type Description:	Water Heater
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	1.6
Draft Type:	Natural
Firing Method:	Indirect

Is the Process Heater using (check all that apply):

Low NOx Burner	☐
Type of Low NOx Burner:	
Flue Gas Recirculation (FGR):	☐

Have you attached a diagram showing the location and/or the configuration of this equipment?	○ Yes ● No	Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	○ Yes ● No

Comments:

Include Emission Rates on the Potential to Emit Screen for each contaminant in ppmvd @ 7%O2 in addition to lbs/hr and tons/yr.

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E39 (Process Heater)
Print Date: 5/11/2023

Make:	Turbopower
Manufacturer:	PVI
Model:	2000 N 300A-tP
Equipment Type Description:	Water heater
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	1.6
Draft Type:	Natural
Firing Method:	Indirect

Is the Process Heater using (check all that apply):

Low NOx Burner	☐
Type of Low NOx Burner:	
Flue Gas Recirculation (FGR):	☐

Have you attached a diagram showing the location and/or the configuration of this equipment?	○ Yes ● No	Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	○ Yes ● No

Comments:

Include Emission Rates on the Potential to Emit Screen for each contaminant in ppmvd @ 7%O2 in addition to lbs/hr and tons/yr.

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E51 (Other Equipment)
Print Date: 5/11/2023

Make:	PVSC
Manufacturer:	Vulcan Industries
Model:	Model FT-144-DD-SD
Equipment Type:	12 feet wide, existing screen slot width 7/8", to be retrofitted to ½" slot width
Capacity:	99,999.00
Units:	MMgal/yr
Description:	

Have you attached a diagram showing the location and/or the configuration of this equipment?

- ○ Yes
- ● No

Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?

- ○ Yes
- ● No

Comments:

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E52 (Other Equipment)
Print Date: 5/11/2023

Make:	PVSC
Manufacturer:	PVSC
Model:	PVSC
Equipment Type:	Grit channels
Capacity:	99,999.00
Units:	MMgal/yr
Description:	

Have you attached a diagram showing the location and/or the configuration of this equipment?

- ○ Yes
- ● No

Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?

- ○ Yes
- ● No

Comments:

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E53 (Other Equipment)
Print Date: 5/11/2023

Make:	PVSC
Manufacturer:	PVSC
Model:	PVSC
Equipment Type:	Influent Pump Station utilizing six 12.5' diameter Archimedes screw pumps, 90 MGD each.
Capacity:	99,999.00
Units:	MMgal/yr
Description:	

Have you attached a diagram showing the location and/or the configuration of this equipment?

- ○ Yes
- ● No

Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?

- ○ Yes
- ● No

Comments:

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E59 (Other Equipment)
Print Date: 5/11/2023

Make:	PVSC
Manufacturer:	PVSC
Model:	PVSC
Equipment Type:	Twelve primary clarifiers (each is 280' long x 90' wide x 12.25' deep)
Capacity:	99,999.00
Units:	MMgal/yr
Description:	

Have you attached a diagram showing the location and/or the configuration of this equipment?

- ○ Yes
- ● No

Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?

- ○ Yes
- ● No

Comments:

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E64 (Other Equipment)
Print Date: 5/11/2023

Make:	PVSC
Manufacturer:	PVSC
Model:	PVSC
Equipment Type:	Sludge Thickener tank that can be used as a sludge storage tank. 1 MG volume
Capacity:	99,999.00
Units:	MMgal/yr
Description:	

Have you attached a diagram showing the location and/or the configuration of this equipment?

- ○ Yes
- ● No

Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?

- ○ Yes
- ● No

Comments:

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E71 (Other Equipment)
Print Date: 5/11/2023

Make:	PVSC
Manufacturer:	PVSC
Model:	PVSC
Equipment Type:	Twelve (12) High-Purity Oxygen Activated Sludge Tanks. 4 stages per tank, 58'x58'x30' each stage
Capacity:	99,999.00
Units:	MMgal/yr
Description:	

Have you attached a diagram showing the location and/or the configuration of this equipment?

- ○ Yes
- ● No

Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?

- ○ Yes
- ● No

Comments:

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E72 (Other Equipment)
Print Date: 5/11/2023

Make:	PVSC
Manufacturer:	PVSC
Model:	PVSC
Equipment Type:	Twelve (12) final clarifiers (each 362' long x 120' wide x 13.6' deep)
Capacity:	99,999.00
Units:	MMgal/yr
Description:	

Have you attached a diagram showing the location and/or the configuration of this equipment?

- ○ Yes
- ● No

Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?

- ○ Yes
- ● No

Comments:

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E73 (Other Equipment)
Print Date: 5/11/2023

Make:	PVSC
Manufacturer:	PVSC
Model:	PVSC
Equipment Type:	Three 10' diameter Archimedes screw pumps, 75 MGD each.
Capacity:	99,999.00
Units:	MMgal/yr
Description:	

Have you attached a diagram showing the location and/or the configuration of this equipment?

- ○ Yes
- ● No

Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?

- ○ Yes
- ● No

Comments:

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E74 (Other Equipment)
Print Date: 5/11/2023

Make:	PVSC
Manufacturer:	PVSC
Model:	PVSC
Equipment Type:	Twelve (12) Gravity Thickeners, 1 MG volume each
Capacity:	99,999.00
Units:	MMgal/yr
Description:	

Have you attached a diagram showing the location and/or the configuration of this equipment?

- ○ Yes
- ● No

Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?

- ○ Yes
- ● No

Comments:

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E75 (Other Equipment)
Print Date: 5/11/2023

Make:	PVSC
Manufacturer:	PVSC
Model:	PVSC
Equipment Type:	Chlorine contact tank for use with Outfall 002.
Capacity:	99,999.00
Units:	MMgal/yr
Description:	

Have you attached a diagram showing the location and/or the configuration of this equipment?

- ○ Yes
- ● No

Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?

- ○ Yes
- ● No

Comments:

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E79 (Other Equipment)
Print Date: 5/11/2023

Make:	Wastewater Sludge Centrifuge
Manufacturer:	Westfalia Separator
Model:	CA-1036-06-30
Equipment Type:	Bowl and scroll centrifuge for thickening wastewater sludge.
Capacity:	1,200.00
Units:	gal/min
Description:	

Have you attached a diagram showing the location and/or the configuration of this equipment?

- ○ Yes
- ● No

Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?

- ○ Yes
- ● No

Comments:

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E80 (Other Equipment)
Print Date: 5/11/2023

Make:	Wastewater Sludge Centrifuge
Manufacturer:	Westfalia Separator
Model:	CA-1036-06-30
Equipment Type:	Wastewater sludge thickening centrifuge
Capacity:	1,200.00
Units:	gal/min
Description:	

Have you attached a diagram showing the location and/or the configuration of this equipment?

- ○ Yes
- ● No

Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?

- ○ Yes
- ● No

Comments:

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E81 (Other Equipment)
Print Date: 5/11/2023

Make:	Wastewater sludge centrifuge
Manufacturer:	Westfalia Separator
Model:	CA-1036-06-30
Equipment Type:	Wastewater sludge thickening centrifuge
Capacity:	1,200.00
Units:	gal/min
Description:	

Have you attached a diagram showing the location and/or the configuration of this equipment?

- ○ Yes
- ● No

Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?

- ○ Yes
- ● No

Comments:

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E82 (Other Equipment)
Print Date: 5/11/2023

Make:	Wastewater sludge centrifuge
Manufacturer:	Westfalia Separator
Model:	CA-1036-50-30
Equipment Type:	Wastewater sludge thickening centrifuge.
Capacity:	1,200.00
Units:	gal/min
Description:	

Have you attached a diagram showing the location and/or the configuration of this equipment?

- ○ Yes
- ● No

Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?

- ○ Yes
- ● No

Comments:

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E83 (Other Equipment)
Print Date: 5/11/2023

Make:	Wastewater Sludge Centrifuge
Manufacturer:	Westfalia Separator
Model:	CA-1036-50-30
Equipment Type:	Wastewater Sludge Thickening Centrifuge
Capacity:	1,200.00
Units:	gal/min
Description:	

Have you attached a diagram showing the location and/or the configuration of this equipment?

- ○ Yes
- ● No

Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?

- ○ Yes
- ● No

Comments:

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E84 (Other Equipment)
Print Date: 5/11/2023

Make:	PVSC
Manufacturer:	PVSC
Model:	PVSC
Equipment Type:	Thickened sludge wet well; 16' wide x 18' long x 15' deep.
Capacity:	32,300.00
Units:	gallons
Description:	

Have you attached a diagram showing the location and/or the configuration of this equipment?

- ○ Yes
- ● No

Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?

- ○ Yes
- ● No

Comments:

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E85 (Other Equipment)
Print Date: 5/11/2023

Make:	PVSC
Manufacturer:	PVSC
Model:	PVSC
Equipment Type:	Thickened sludge wet well; 16' wide x 18' long x 15' deep.
Capacity:	32,300.00
Units:	gallons
Description:	

Have you attached a diagram showing the location and/or the configuration of this equipment?

- ○ Yes
- ● No

Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?

- ○ Yes
- ● No

Comments:

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E86 (Other Equipment)
Print Date: 5/11/2023

Make:	PVSC
Manufacturer:	PVSC
Model:	PVSC
Equipment Type:	Thickened sludge wet well; 16' wide x 18' long x 15' deep.
Capacity:	32,300.00
Units:	gallons
Description:	

Have you attached a diagram showing the location and/or the configuration of this equipment?

- ○ Yes
- ● No

Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?

- ○ Yes
- ● No

Comments:

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E87 (Other Equipment)
Print Date: 5/11/2023

Make:	PVSC
Manufacturer:	PVSC
Model:	PVSC
Equipment Type:	Thickened sludge wet well; 16' wide x 18' long x 15' deep.
Capacity:	32,300.00
Units:	gallons
Description:	

Have you attached a diagram showing the location and/or the configuration of this equipment?

- ○ Yes
- ● No

Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?

- ○ Yes
- ● No

Comments:

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E88 (Other Equipment)
Print Date: 5/11/2023

Make:	PVSC
Manufacturer:	PVSC
Model:	PVSC
Equipment Type:	Thickened sludge wet well; 16' wide x 18' long x 15' deep.
Capacity:	32,300.00
Units:	gallons
Description:	

Have you attached a diagram showing the location and/or the configuration of this equipment?

- ○ Yes
- ● No

Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?

- ○ Yes
- ● No

Comments:

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E89 (Other Equipment)
Print Date: 5/11/2023

Make:	PVSC
Manufacturer:	PVSC
Model:	PVSC
Equipment Type:	Thickened sludge wet well; 16' wide x 18' long x 15' deep.
Capacity:	32,300.00
Units:	gallons
Description:	

Have you attached a diagram showing the location and/or the configuration of this equipment?

- ○ Yes
- ● No

Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?

- ○ Yes
- ● No

Comments:

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E103 (Fuel Combustion Equipment (Other))
Print Date: 5/11/2023

Make:	DeVilbiss
Manufacturer:	DeVilbiss
Model:	ARH-5517
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	1.70
Type of Heat Exchange:	Direct
Equipment Type Description:	Air Replacement System for paint spray booth

Have you attached a diagram showing the location and/or the configuration of this equipment?	○ Yes ● No	Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	○ Yes ● No

Comments:	Model from operating permit application: TOT-218HH from preconstruction permit: ARH-5517

Include Emission Rates on the Potential to Emit Screen for each contaminant in ppmvd @ 7%O2 in addition to lbs/hr and tons/yr.

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E106 (Boiler)
Print Date: 5/11/2023

Make:	Cleaver-Brooks
Manufacturer:	Cleaver-Brooks
Model:	CBI-200-600-125
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	24.50
Boiler Type:	Water Tube
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	25,254.00
Fuel Firing Method:	Other firing method
Description (if other):	gas burner
Draft Type:	Forced
Heat Exchange Type:	Indirect

Is the boiler using? (check all that apply):

Low NOx Burner:	☐	Type:
Staged Air Combustion:	☐	
Flue Gas Recirculation (FGR):	☐	Amount (%):

Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	Boilers derated by fuel control 12/22/97 to 19.76 MMBtu/hr, but treated as original 36.6 MMBtu/hr in Operating Permit because no physical boiler change was made.

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E107 (Boiler)
Print Date: 5/11/2023

Make:	Cleaver-Brooks
Manufacturer:	Cleaver-Brooks
Model:	CBI-200-600-125
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	24.50
Boiler Type:	Water Tube
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	25,254.00
Fuel Firing Method:	Other firing method
Description (if other):	gas burner
Draft Type:	Forced
Heat Exchange Type:	Direct

Is the boiler using? (check all that apply):

Low NOx Burner:	☐ Type:	
Staged Air Combustion:	☐	
Flue Gas Recirculation (FGR):	☐ Amount (%):	

Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	Boilers derated by fuel control 12/22/97 to 19.76 MMBtu/hr, but treated as original 36.6 MMBtu/hr in Operating Permit because no physical boiler change was made.

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E108 (Emergency Generator)
Print Date: 5/11/2023

Make:	Generator
Manufacturer:	Caterpillar
Model:	C18
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	5.85
Will the equipment be used in excess of 500 hours per year?	○ Yes ● No
Have you attached a diagram showing the location and/or the configuration of this equipment?	○ Yes ● No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	○ Yes ● No
Comments:	

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E109 (Emergency Generator)
Print Date: 5/11/2023

Make:	Generator
Manufacturer:	Caterpillar
Model:	XQ350
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	3.49
Will the equipment be used in excess of 500 hours per year?	○ Yes ● No
Have you attached a diagram showing the location and/or the configuration of this equipment?	○ Yes ● No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	○ Yes ● No
Comments:	

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E110 (Emergency Generator)
Print Date: 5/11/2023

Make:	Generator
Manufacturer:	Caterpillar
Model:	XQ200
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	2.18
Will the equipment be used in excess of 500 hours per year?	○ Yes ● No
Have you attached a diagram showing the location and/or the configuration of this equipment?	○ Yes ● No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	○ Yes ● No
Comments:	

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E111 (Emergency Generator)
Print Date: 5/11/2023

Make:	Generator
Manufacturer:	Magnum Power Products
Model:	MMG130
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	1.00
Will the equipment be used in excess of 500 hours per year?	○ Yes ● No
Have you attached a diagram showing the location and/or the configuration of this equipment?	○ Yes ● No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	○ Yes ● No
Comments:	

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E201 (Storage Vessel)
Print Date: 5/11/2023

What type of contents is this storage vessel equipped to contain by design?	Both Solids and Liquids
Storage Vessel Type:	Tank
Design Capacity:	2,700,000
Units:	gallons
Ground Location:	Above Ground
Is the Shell of the Equipment Exposed to Sunlight?	Yes
Shell Color:	Gray (Light)
Description (if other):	
Shell Condition:	Light Rust
Paint Condition:	Poor
Shell Construction:	Welded
Is the Shell Insulated?	No
Type of Insulation:	
Insulation Thickess (in):	
Thermal Conductivity of Insulation [(BTU)(in)(hr)(ft2)(deg F)]:	
Shape of Storage Vessel:	Cylindrical
Shell Height (From Ground to Roof Bottom) (ft):	49.00
Length (ft):	
Width (ft):	
Diameter (ft):	101.00
Other Dimension	
Description:	Side Water Depth
Value:	45.50
Units:	feet
Fill Method:	Top Pipe
Description (if other):	
Maximum Design Fill Rate:	
Units:	gal/min
Does the storage vessel have a roof or an open top?	Open Top
Roof Type:	
Roof Height (From Roof Bottom to Roof Top) (ft):	
Roof Construction:	
Primary Seal Type:	
Secondary Seal Type:	
Total Number of Seals:	
Roof Support:	
Does the storage vessel have a Vapor Return Loop?	

Does the storage vessel have a Conservation Vent?	
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	Steel tanks

What type of contents is this storage vessel equipped to contain by design?	Both Solids and Liquids
Storage Vessel Type:	Tank
Design Capacity:	2,700,000
Units:	gallons
Ground Location:	Above Ground
Is the Shell of the Equipment Exposed to Sunlight?	Yes
Shell Color:	Gray (Light)
Description (if other):	
Shell Condition:	Light Rust
Paint Condition:	Poor
Shell Construction:	Welded
Is the Shell Insulated?	No
Type of Insulation:	
Insulation Thickess (in):	
Thermal Conductivity of Insulation [(BTU)(in)(hr)(ft2)(deg F)]:	
Shape of Storage Vessel:	Cylindrical
Shell Height (From Ground to Roof Bottom) (ft):	49.00
Length (ft):	
Width (ft):	
Diameter (ft):	101.00
Other Dimension	
Description:	Side Water Depth
Value:	45.50
Units:	feet
Fill Method:	Submerged
Description (if other):	
Maximum Design Fill Rate:	
Units:	
Does the storage vessel have a roof or an open top?	Open Top
Roof Type:	
Roof Height (From Roof Bottom to Roof Top) (ft):	
Roof Construction:	
Primary Seal Type:	
Secondary Seal Type:	
Total Number of Seals:	
Roof Support:	
Does the storage vessel have a Vapor Return Loop?	

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E202 (Storage Vessel)
Print Date: 5/11/2023

Does the storage vessel have a Conservation Vent?	
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	Steel tank

What type of contents is this storage vessel equipped to contain by design?	Both Solids and Liquids
Storage Vessel Type:	Tank
Design Capacity:	2,700,000
Units:	gallons
Ground Location:	Above Ground
Is the Shell of the Equipment Exposed to Sunlight?	Yes
Shell Color:	Gray (Light)
Description (if other):	
Shell Condition:	
Paint Condition:	
Shell Construction:	
Is the Shell Insulated?	No
Type of Insulation:	
Insulation Thickess (in):	
Thermal Conductivity of Insulation [(BTU)(in)(hr)(ft2)(deg F)]:	
Shape of Storage Vessel:	Cylindrical
Shell Height (From Ground to Roof Bottom) (ft):	49.00
Length (ft):	
Width (ft):	
Diameter (ft):	101.00
Other Dimension	
Description:	Side Water Depth
Value:	45.50
Units:	feet
Fill Method:	Submerged
Description (if other):	
Maximum Design Fill Rate:	
Units:	gal/min
Does the storage vessel have a roof or an open top?	Open Top
Roof Type:	
Roof Height (From Roof Bottom to Roof Top) (ft):	
Roof Construction:	
Primary Seal Type:	
Secondary Seal Type:	
Total Number of Seals:	
Roof Support:	
Does the storage vessel have a Vapor Return Loop?	No

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E205 (Storage Vessel)
Print Date: 5/11/2023

Does the storage vessel have a Conservation Vent?	
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	Tanks are concrete

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E206 (Storage Vessel)
Print Date: 5/11/2023

What type of contents is this storage vessel equipped to contain by design?	Both Solids and Liquids
Storage Vessel Type:	Tank
Design Capacity:	2,700,000
Units:	gallons
Ground Location:	Above Ground
Is the Shell of the Equipment Exposed to Sunlight?	Yes
Shell Color:	Gray (Light)
Description (if other):	
Shell Condition:	
Paint Condition:	
Shell Construction:	
Is the Shell Insulated?	No
Type of Insulation:	
Insulation Thickess (in):	
Thermal Conductivity of Insulation [(BTU)(in)(hr)(ft2)(deg F)]:	
Shape of Storage Vessel:	Cylindrical
Shell Height (From Ground to Roof Bottom) (ft):	49.00
Length (ft):	
Width (ft):	
Diameter (ft):	101.00
Other Dimension	
Description:	Side Water Depth
Value:	45.50
Units:	feet
Fill Method:	Submerged
Description (if other):	
Maximum Design Fill Rate:	
Units:	gal/min
Does the storage vessel have a roof or an open top?	Open Top
Roof Type:	
Roof Height (From Roof Bottom to Roof Top) (ft):	
Roof Construction:	
Primary Seal Type:	
Secondary Seal Type:	
Total Number of Seals:	
Roof Support:	
Does the storage vessel have a Vapor Return Loop?	No
Does the storage vessel	

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E206 (Storage Vessel)
Print Date: 5/11/2023

Does the storage vessel have a Conservation Vent?	
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	Tanks are concrete

What type of contents is this storage vessel equipped to contain by design?	Liquids Only
Storage Vessel Type:	Tank
Design Capacity:	10,000
Units:	gallons
Ground Location:	Below Ground
Is the Shell of the Equipment Exposed to Sunlight?	No
Shell Color:	
Description (if other):	
Shell Condition:	
Paint Condition:	
Shell Construction:	
Is the Shell Insulated?	
Type of Insulation:	
Insulation Thickess (in):	
Thermal Conductivity of Insulation [(BTU)(in)(hr)(ft2)(deg F)]:	
Shape of Storage Vessel:	Cylindrical
Shell Height (From Ground to Roof Bottom) (ft):	
Length (ft):	30.50
Width (ft):	
Diameter (ft):	8.00
Other Dimension	
Description:	
Value:	
Units:	
Fill Method:	Submerged
Description (if other):	
Maximum Design Fill Rate:	175.00
Units:	gal/min
Does the storage vessel have a roof or an open top?	Roof
Roof Type:	Horizontal fixed roof tank
Roof Height (From Roof Bottom to Roof Top) (ft):	8.00
Roof Construction:	
Primary Seal Type:	
Secondary Seal Type:	
Total Number of Seals:	
Roof Support:	
Does the storage vessel have a Vapor Return Loop?	Yes
Does the storage vessel	

Does the storage vessel have a Conservation Vent?	No
Have you attached a diagram showing the location and/or the configuration of this equipment?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	

What type of contents is this storage vessel equipped to contain by design?	Liquids Only
Storage Vessel Type:	Tank
Design Capacity:	6,000
Units:	gallons
Ground Location:	Below Ground
Is the Shell of the Equipment Exposed to Sunlight?	No
Shell Color:	
Description (if other):	
Shell Condition:	
Paint Condition:	
Shell Construction:	
Is the Shell Insulated?	
Type of Insulation:	
Insulation Thickess (in):	
Thermal Conductivity of Insulation [(BTU)(in)(hr)(ft2)(deg F)]:	
Shape of Storage Vessel:	Cylindrical
Shell Height (From Ground to Roof Bottom) (ft):	
Length (ft):	19.50
Width (ft):	
Diameter (ft):	8.00
Other Dimension	
Description:	
Value:	
Units:	
Fill Method:	Submerged
Description (if other):	
Maximum Design Fill Rate:	175.00
Units:	gal/min
Does the storage vessel have a roof or an open top?	Roof
Roof Type:	Horizontal fixed roof tank
Roof Height (From Roof Bottom to Roof Top) (ft):	
Roof Construction:	
Primary Seal Type:	
Secondary Seal Type:	
Total Number of Seals:	
Roof Support:	
Does the storage vessel have a Vapor Return Loop?	Yes
Does the storage vessel	

Does the storage vessel have a Conservation Vent?	
Have you attached a diagram showing the location and/or the configuration of this equipment?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E1501 (Other Equipment)
Print Date: 5/11/2023

Make:	PVSC
Manufacturer:	PVSC
Model:	PVSC
Equipment Type:	Sludge conveyor belt 1
Capacity:	200.00
Units:	tons/day
Description:	

Have you attached a diagram showing the location and/or the configuration of this equipment?

- ○ Yes
- ● No

Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?

- ○ Yes
- ● No

Comments: Equipment is OOS

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E1502 (Other Equipment)
Print Date: 5/11/2023

Make:	PVSC
Manufacturer:	PVSC
Model:	PVSC
Equipment Type:	Sludge conveyor belt 2
Capacity:	200.00
Units:	tons/day
Description:	

Have you attached a diagram showing the location and/or the configuration of this equipment?

- ○ Yes
- ● No

Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?

- ○ Yes
- ● No

Comments: Equipment is OOS

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E1503 (Other Equipment)
Print Date: 5/11/2023

Make:	PVSC
Manufacturer:	PVSC
Model:	PVSC
Equipment Type:	Sludge conveyor belt elevator
Capacity:	200.00
Units:	tons/day
Description:	

Have you attached a diagram showing the location and/or the configuration of this equipment?

- ○ Yes
- ● No

Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?

- ○ Yes
- ● No

Comments: Equipment is OOS

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E1504 (Other Equipment)
Print Date: 5/11/2023

Make:	PVSC
Manufacturer:	PVSC
Model:	PVSC
Equipment Type:	Sludge conveyor belt elevator
Capacity:	200.00
Units:	tons/day
Description:	

Have you attached a diagram showing the location and/or the configuration of this equipment?

- ○ Yes
- ● No

Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?

- ○ Yes
- ● No

Comments:

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E1505 (Other Equipment)
Print Date: 5/11/2023

Make:	PVSC
Manufacturer:	PVSC
Model:	PVSC
Equipment Type:	Centrifuge centrate screw conveyor
Capacity:	200.00
Units:	tons/day
Description:	

Have you attached a diagram showing the location and/or the configuration of this equipment?

- ○ Yes
- ● No

Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?

- ○ Yes
- ● No

Comments: Equipment is OOS

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E1506 (Other Equipment)
Print Date: 5/11/2023

Make:	PVSC
Manufacturer:	PVSC
Model:	PVSC
Equipment Type:	Dewatered sloids screw conveyor
Capacity:	200.00
Units:	tons/day
Description:	

Have you attached a diagram showing the location and/or the configuration of this equipment?

- ○ Yes
- ● No

Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?

- ○ Yes
- ● No

Comments: Equipment is OOS

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E1507 (Storage Vessel)
Print Date: 5/11/2023

What type of contents is this storage vessel equipped to contain by design?	Solids Only
Storage Vessel Type:	Silo
Design Capacity:	1,109
Units:	tons
Ground Location:	Above Ground
Is the Shell of the Equipment Exposed to Sunlight?	
Shell Color:	
Description (if other):	
Shell Condition:	Light Rust
Paint Condition:	
Shell Construction:	Welded
Is the Shell Insulated?	
Type of Insulation:	
Insulation Thickess (in):	
Thermal Conductivity of Insulation [(BTU)(in)(hr)(ft2)(deg F)]:	
Shape of Storage Vessel:	Cylindrical
Shell Height (From Ground to Roof Bottom) (ft):	85.00
Length (ft):	
Width (ft):	
Diameter (ft):	33.00
Other Dimension	
Description:	
Value:	
Units:	
Fill Method:	Top Pipe
Description (if other):	
Maximum Design Fill Rate:	100.00
Units:	ft^3/min
Does the storage vessel have a roof or an open top?	Roof
Roof Type:	Horizontal fixed roof tank
Roof Height (From Roof Bottom to Roof Top) (ft):	65.00
Roof Construction:	
Primary Seal Type:	
Secondary Seal Type:	
Total Number of Seals:	
Roof Support:	
Does the storage vessel have a Vapor Return Loop?	
Does the storage vessel	

Does the storage vessel have a Conservation Vent?	
Have you attached a diagram showing the location and/or the configuration of this equipment?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E1508 (Storage Vessel)
Print Date: 5/11/2023

What type of contents is this storage vessel equipped to contain by design?	Solids Only
Storage Vessel Type:	Silo
Design Capacity:	1,109
Units:	tons
Ground Location:	Above Ground
Is the Shell of the Equipment Exposed to Sunlight?	
Shell Color:	
Description (if other):	
Shell Condition:	Light Rust
Paint Condition:	
Shell Construction:	Welded
Is the Shell Insulated?	
Type of Insulation:	
Insulation Thickess (in):	
Thermal Conductivity of Insulation [(BTU)(in)(hr)(ft2)(deg F)]:	
Shape of Storage Vessel:	Cylindrical
Shell Height (From Ground to Roof Bottom) (ft):	85.00
Length (ft):	
Width (ft):	
Diameter (ft):	33.00
Other Dimension	
Description:	
Value:	
Units:	
Fill Method:	Top Pipe
Description (if other):	
Maximum Design Fill Rate:	100.00
Units:	ft^3/min
Does the storage vessel have a roof or an open top?	Roof
Roof Type:	Horizontal fixed roof tank
Roof Height (From Roof Bottom to Roof Top) (ft):	65.00
Roof Construction:	
Primary Seal Type:	
Secondary Seal Type:	
Total Number of Seals:	
Roof Support:	
Does the storage vessel have a Vapor Return Loop?	
Does the storage vessel	

Does the storage vessel have a Conservation Vent?	
Have you attached a diagram showing the location and/or the configuration of this equipment?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E1509 (Other Equipment)
Print Date: 5/11/2023

Make:	PVSC
Manufacturer:	PVSC
Model:	PVSC
Equipment Type:	Digested sludge tank
Capacity:	20,000.00
Units:	gallons
Description:	

Have you attached a diagram showing the location and/or the configuration of this equipment?

- ○ Yes
- ● No

Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?

- ○ Yes
- ● No

Comments: Equipment is OOS

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E1510 (Other Equipment)
Print Date: 5/11/2023

Make:	PVSC
Manufacturer:	PVSC
Model:	PVSC
Equipment Type:	Sludge wet well 1
Capacity:	3,000.00
Units:	gallons
Description:	

Have you attached a diagram showing the location and/or the configuration of this equipment?

- ○ Yes
- ● No

Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?

- ○ Yes
- ● No

Comments: Equipment is OOS

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E1511 (Other Equipment)
Print Date: 5/11/2023

Make:	PVSC
Manufacturer:	PVSC
Model:	PVSC
Equipment Type:	Sludge wet well 2
Capacity:	3,000.00
Units:	gallons
Description:	

Have you attached a diagram showing the location and/or the configuration of this equipment?

- ○ Yes
- ● No

Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?

- ○ Yes
- ● No

Comments: Equipment is OOS

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E1601 (Storage Vessel)
Print Date: 5/11/2023

What type of contents is this storage vessel equipped to contain by design?	Solids Only
Storage Vessel Type:	Tank
Design Capacity:	417,000
Units:	ft^3
Ground Location:	Above Ground
Is the Shell of the Equipment Exposed to Sunlight?	
Shell Color:	
Description (if other):	
Shell Condition:	
Paint Condition:	
Shell Construction:	
Is the Shell Insulated?	
Type of Insulation:	
Insulation Thickess (in):	
Thermal Conductivity of Insulation [(BTU)(in)(hr)(ft2)(deg F)]:	
Shape of Storage Vessel:	Cylindrical
Shell Height (From Ground to Roof Bottom) (ft):	
Length (ft):	
Width (ft):	
Diameter (ft):	
Other Dimension	
Description:	
Value:	
Units:	
Fill Method:	Submerged
Description (if other):	
Maximum Design Fill Rate:	
Units:	ft^3/min
Does the storage vessel have a roof or an open top?	
Roof Type:	
Roof Height (From Roof Bottom to Roof Top) (ft):	
Roof Construction:	
Primary Seal Type:	
Secondary Seal Type:	
Total Number of Seals:	
Roof Support:	
Does the storage vessel have a Vapor Return Loop?	
Does the storage vessel	

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E1601 (Storage Vessel)
Print Date: 5/11/2023

Does the storage vessel have a Conservation Vent?	
Have you attached a diagram showing the location and/or the configuration of this equipment?	
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	
Comments:	Equipment is OOS

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E1603 (Manufacturing and Materials Handling Equipment)

Make:	PVSC
Manufacturer:	PVSC
Model:	PVSC
Type of Manufacturing and Materials Handling Equipment:	Oxidized sludge decant tank
Capacity:	1.00E+06
Units:	gallons
Description (if other):	
Have you attached a diagram showing the location and/or the configuration of this equipment?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E1604 (Manufacturing and Materials Handling Equipment)

Make:	PVSC
Manufacturer:	PVSC
Model:	PVSC
Type of Manufacturing and Materials Handling Equipment:	Oxidized sludge decant tank
Capacity:	1.00E+06
Units:	gallons
Description (if other):	
Have you attached a diagram showing the location and/or the configuration of this equipment?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E1605 (Manufacturing and Materials Handling Equipment)

Make:	PVSC
Manufacturer:	PVSC
Model:	PVSC
Type of Manufacturing and Materials Handling Equipment:	Oxidized sludge decant tank
Capacity:	1.00E+06
Units:	gallons
Description (if other):	
Have you attached a diagram showing the location and/or the configuration of this equipment?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E1606 (Manufacturing and Materials Handling Equipment)

Make:	PVSC
Manufacturer:	PVSC
Model:	PVSC
Type of Manufacturing and Materials Handling Equipment:	Oxidized sludge decant tank
Capacity:	1.00E+06
Units:	gallons
Description (if other):	
Have you attached a diagram showing the location and/or the configuration of this equipment?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E1607 (Manufacturing and Materials Handling Equipment)

Make:	PVSC
Manufacturer:	PVSC
Model:	PVSC
Type of Manufacturing and Materials Handling Equipment:	Oxidized sludge decant tank
Capacity:	1.00E+06
Units:	gallons
Description (if other):	
Have you attached a diagram showing the location and/or the configuration of this equipment?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E1608 (Manufacturing and Materials Handling Equipment)

Make:	PVSC
Manufacturer:	PVSC
Model:	PVSC
Type of Manufacturing and Materials Handling Equipment:	Oxidized sludge decant tank
Capacity:	1.00E+06
Units:	gallons
Description (if other):	
Have you attached a diagram showing the location and/or the configuration of this equipment?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E1609 (Manufacturing and Materials Handling Equipment)

Make:	PVSC
Manufacturer:	Andritz
Model:	PVSC
Type of Manufacturing and Materials Handling Equipment:	Filtrate weir tank
Capacity:	7.85E+00
Units:	ft^3
Description (if other):	
Have you attached a diagram showing the location and/or the configuration of this equipment?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E1610 (Manufacturing and Materials Handling Equipment)

Make:	PVSC
Manufacturer:	Andritz
Model:	PVSC
Type of Manufacturing and Materials Handling Equipment:	Filtrate weir tank
Capacity:	7.85E+00
Units:	ft^3
Description (if other):	
Have you attached a diagram showing the location and/or the configuration of this equipment?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E1611 (Manufacturing and Materials Handling Equipment)

Make:	PVSC
Manufacturer:	Andritz
Model:	PVSC
Type of Manufacturing and Materials Handling Equipment:	Filtrate weir tank
Capacity:	7.85E+00
Units:	ft^3
Description (if other):	
Have you attached a diagram showing the location and/or the configuration of this equipment?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E1612 (Manufacturing and Materials Handling Equipment)

Make:	PVSC
Manufacturer:	Andritz
Model:	PVSC
Type of Manufacturing and Materials Handling Equipment:	Filtrate weir tank
Capacity:	7.85E+00
Units:	ft^3
Description (if other):	
Have you attached a diagram showing the location and/or the configuration of this equipment?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E1613 (Manufacturing and Materials Handling Equipment)

Make:	PVSC
Manufacturer:	Andritz
Model:	PVSC
Type of Manufacturing and Materials Handling Equipment:	Filtrate weir tank
Capacity:	7.85E+00
Units:	ft^3
Description (if other):	
Have you attached a diagram showing the location and/or the configuration of this equipment?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E1614 (Manufacturing and Materials Handling Equipment)

Make:	PVSC
Manufacturer:	PVSC
Model:	PVSC
Type of Manufacturing and Materials Handling Equipment:	Decanted sludge wet well
Capacity:	8.00E+04
Units:	gallons
Description (if other):	
Have you attached a diagram showing the location and/or the configuration of this equipment?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E1615 (Manufacturing and Materials Handling Equipment)

Make:	PVSC
Manufacturer:	PVSC
Model:	PVSC
Type of Manufacturing and Materials Handling Equipment:	Filter press filtrate wet well
Capacity:	2.00E+03
Units:	gallons
Description (if other):	
Have you attached a diagram showing the location and/or the configuration of this equipment?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E1616 (Manufacturing and Materials Handling Equipment)

Make:	PVSC
Manufacturer:	PVSC
Model:	PVSC
Type of Manufacturing and Materials Handling Equipment:	Dewatered sludge belt conveyor
Capacity:	2.60E+03
Units:	ft^3
Description (if other):	
Have you attached a diagram showing the location and/or the configuration of this equipment?	
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	
Comments:	

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E1617 (Manufacturing and Materials Handling Equipment)

Make:	PVSC
Manufacturer:	PVSC
Model:	PVSC
Type of Manufacturing and Materials Handling Equipment:	Dewatered sludge belt conveyor
Capacity:	2.60E+03
Units:	ft^3
Description (if other):	
Have you attached a diagram showing the location and/or the configuration of this equipment?	
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	
Comments:	

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E1618 (Storage Vessel)
Print Date: 5/11/2023

What type of contents is this storage vessel equipped to contain by design?	Solids Only
Storage Vessel Type:	Silo
Design Capacity:	1,109
Units:	tons
Ground Location:	Above Ground
Is the Shell of the Equipment Exposed to Sunlight?	
Shell Color:	
Description (if other):	
Shell Condition:	Light Rust
Paint Condition:	
Shell Construction:	Welded
Is the Shell Insulated?	
Type of Insulation:	
Insulation Thickess (in):	
Thermal Conductivity of Insulation [(BTU)(in)(hr)(ft2)(deg F)]:	
Shape of Storage Vessel:	Cylindrical
Shell Height (From Ground to Roof Bottom) (ft):	85.00
Length (ft):	
Width (ft):	
Diameter (ft):	33.00
Other Dimension	
Description:	
Value:	
Units:	
Fill Method:	Top Pipe
Description (if other):	
Maximum Design Fill Rate:	100.00
Units:	ft^3/min
Does the storage vessel have a roof or an open top?	Roof
Roof Type:	Horizontal fixed roof tank
Roof Height (From Roof Bottom to Roof Top) (ft):	65.00
Roof Construction:	
Primary Seal Type:	
Secondary Seal Type:	
Total Number of Seals:	
Roof Support:	
Does the storage vessel have a Vapor Return Loop?	
Does the storage vessel	

Does the storage vessel have a Conservation Vent?	
Have you attached a diagram showing the location and/or the configuration of this equipment?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E1619 (Storage Vessel)
Print Date: 5/11/2023

What type of contents is this storage vessel equipped to contain by design?	Solids Only
Storage Vessel Type:	Silo
Design Capacity:	1,109
Units:	tons
Ground Location:	Above Ground
Is the Shell of the Equipment Exposed to Sunlight?	
Shell Color:	
Description (if other):	
Shell Condition:	Light Rust
Paint Condition:	
Shell Construction:	Welded
Is the Shell Insulated?	
Type of Insulation:	
Insulation Thickess (in):	
Thermal Conductivity of Insulation [(BTU)(in)(hr)(ft2)(deg F)]:	
Shape of Storage Vessel:	Cylindrical
Shell Height (From Ground to Roof Bottom) (ft):	85.00
Length (ft):	
Width (ft):	
Diameter (ft):	33.00
Other Dimension	
Description:	
Value:	
Units:	
Fill Method:	Top Pipe
Description (if other):	
Maximum Design Fill Rate:	100.00
Units:	ft^3/min
Does the storage vessel have a roof or an open top?	Roof
Roof Type:	Horizontal fixed roof tank
Roof Height (From Roof Bottom to Roof Top) (ft):	65.00
Roof Construction:	
Primary Seal Type:	
Secondary Seal Type:	
Total Number of Seals:	
Roof Support:	
Does the storage vessel have a Vapor Return Loop?	
Does the storage vessel	

Does the storage vessel have a Conservation Vent?	
Have you attached a diagram showing the location and/or the configuration of this equipment?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E1620 (Storage Vessel)
Print Date: 5/11/2023

What type of contents is this storage vessel equipped to contain by design?	Liquids Only
Storage Vessel Type:	Tank
Design Capacity:	6,000
Units:	gallons
Ground Location:	Below Ground
Is the Shell of the Equipment Exposed to Sunlight?	No
Shell Color:	
Description (if other):	
Shell Condition:	
Paint Condition:	
Shell Construction:	
Is the Shell Insulated?	
Type of Insulation:	
Insulation Thickess (in):	
Thermal Conductivity of Insulation [(BTU)(in)(hr)(ft2)(deg F)]:	
Shape of Storage Vessel:	Cylindrical
Shell Height (From Ground to Roof Bottom) (ft):	
Length (ft):	19.50
Width (ft):	
Diameter (ft):	8.00
Other Dimension	
Description:	
Value:	
Units:	
Fill Method:	Submerged
Description (if other):	
Maximum Design Fill Rate:	175.00
Units:	gal/min
Does the storage vessel have a roof or an open top?	Roof
Roof Type:	Horizontal fixed roof tank
Roof Height (From Roof Bottom to Roof Top) (ft):	
Roof Construction:	
Primary Seal Type:	
Secondary Seal Type:	
Total Number of Seals:	
Roof Support:	
Does the storage vessel have a Vapor Return Loop?	Yes
Does the storage vessel	

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E1620 (Storage Vessel)
Print Date: 5/11/2023

Does the storage vessel have a Conservation Vent?	
Have you attached a diagram showing the location and/or the configuration of this equipment?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 E1621 (Boiler)
Print Date: 5/11/2023

Make:	Cleaver Brooks
Manufacturer:	Cleaver Brooks
Model:	CB-100-250
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	10.40
Boiler Type:	Fire Tube
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	21,528.00
Fuel Firing Method:	Other firing method
Description (if other):	gas burner
Draft Type:	Forced
Heat Exchange Type:	Direct

Is the boiler using? (check all that apply):

Low NOx Burner:	☐ Type:	
Staged Air Combustion:	☐	
Flue Gas Recirculation (FGR):	☐ Amount (%):	

Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No

Comments:

PASSAIC VALLEY SEWERAGE COMMISSION (07349) Date: 11/28/2023

BOP230003

New Jersey Department of Environmental Protection
Control Device Inventory

CD NJID	Facility's Designation	Description	CD Type	Install Date	Grand-Fathered	Last Mod. (Since 1968)	CD Set ID
CD1	NJS 030	DCE SI42F Sintamatic Baghouse Particulate Filter	Particulate Filter (Baghouse)		No		
CD2	NJS 031	DCE SI42F Sintamatic Baghouse Particulate Filter	Particulate Filter (Baghouse)		No		
CD3	NJS 032	DCE SI42F Sintamatic Baghouse Particulate Filter	Particulate Filter (Baghouse)		No		
CD4	NJS 033	Odor Control Scrubber	Scrubber (Packed Tower)		No		
CD5	NJS 033	Ammonia Scrubber	Scrubber (Packed Tower)		No		
CD6	NJS 034	Internal Filter System	Particulate Filter (Other)		No		
CD7	NJS 035	Regenerative Thermal Oxidizer	Oxidizer (Thermal)		No		
CD8	NJS 035	Regenerative Thermal Oxidizer	Oxidizer (Thermal)		No		
CD9	NJS 036	Baghouse Particulate Filter	Particulate Filter (Baghouse)		No		
CD10	NJS 037	Baghouse Particulate Filter	Particulate Filter (Baghouse)		No		
CD11	NJS 045	Packed Tower Scrubber	Scrubber (Packed Tower)		No		
CD12	NJS 045	Packed Tower Scrubber	Scrubber (Packed Tower)		No		
CD13		Odor Control Scubber	Scrubber (Multi-Stage)		No		
CD14		Odor Control Scubber	Scrubber (Multi-Stage)		No		
CD15		Bioscrubber	Biofilter		No		

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 CD2 (Particulate Filter (Baghouse))
Print Date: 5/11/2023

Make:	Sintamatic
Manufacturer:	DCE
Model:	SI42F
Number of Bags:	1
Size of Bags (ft²):	450.00
Total Bag Area (ft²):	450.0
Bag Fabric:	Rigid porous composite
Fabric Weight (oz/ft²):	99.99
Fabric Weave:	thread count 100 in. x 60 in.
Fabric Finish:	Heat set
Maximum Design Temperature Capability (°F):	100.0
Maximum Design Air Flow Rate (acfm):	800.0
Draft Type:	Forced
Maximum Air Flow Rate to Cloth Area Ratio:	1.60
Minimum Operating Pressure Drop (in. H2O):	2.00
Maximum Operating Pressure Drop (in. H2O):	4.00
Method of Monitoring Pressure Drop:	Differential pressure gauge
Maximum Inlet Temperature (°F):	50.0
Minimum Inlet Temperature (°F):	100.0
Dew Point of Gas Stream Maximum Inlet Temperature (°F):	
Maximum Operating Exhuast Gas Flow Rate (acfm):	800.0
Maximum Inlet Gas Stream Moisture Content (%):	
Method for Determining When Bag Replacement is Required:	Differential pressure
Method for Determining When Cleaning is Required:	
Method of Bag Cleaning:	Pulse Jet
Description:	
Is Bag Cleaning Conducted On-Line?	○ Yes ● No
Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources):	8
Alternative Method to Demonstrate Control Apparatus is Operating Properly:	
Have you attached a Particle Size Distribution Analysis?	○ Yes ● No

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 CD2 (Particulate Filter (Baghouse))
Print Date: 5/11/2023

Have you attached data from recent performance testing?	○ Yes ● No
Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus?	○ Yes ● No
Have you attached a diagram showing the location and/or configuration of this control apparatus?	○ Yes ● No
Comments:	Equipment is permanently OOS.

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 CD3 (Particulate Filter (Baghouse))
Print Date: 5/11/2023

Make:	Sintamatic
Manufacturer:	DCE
Model:	SI42F
Number of Bags:	1
Size of Bags (ft²):	450.00
Total Bag Area (ft²):	450.0
Bag Fabric:	Rigid porous composite
Fabric Weight (oz/ft²):	99.99
Fabric Weave:	thread count 100 in. x 60 in.
Fabric Finish:	Heat set
Maximum Design Temperature Capability (°F):	100.0
Maximum Design Air Flow Rate (acfm):	800.0
Draft Type:	Forced
Maximum Air Flow Rate to Cloth Area Ratio:	1.60
Minimum Operating Pressure Drop (in. H2O):	2.00
Maximum Operating Pressure Drop (in. H2O):	4.00
Method of Monitoring Pressure Drop:	Differential pressure gauge
Maximum Inlet Temperature (°F):	50.0
Minimum Inlet Temperature (°F):	100.0
Dew Point of Gas Stream Maximum Inlet Temperature (°F):	
Maximum Operating Exhuast Gas Flow Rate (acfm):	800.0
Maximum Inlet Gas Stream Moisture Content (%):	
Method for Determining When Bag Replacement is Required:	Differential pressure
Method for Determining When Cleaning is Required:	
Method of Bag Cleaning:	Pulse Jet
Description:	
Is Bag Cleaning Conducted On-Line?	○ Yes ● No
Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources):	8
Alternative Method to Demonstrate Control Apparatus is Operating Properly:	
Have you attached a Particle Size Distribution Analysis?	○ Yes ● No

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 CD3 (Particulate Filter (Baghouse))
Print Date: 5/11/2023

Have you attached data from recent performance testing?	○ Yes ● No
Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus?	○ Yes ● No
Have you attached a diagram showing the location and/or configuration of this control apparatus?	○ Yes ● No
Comments:	Equipment is permanently OOS.

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 CD1 (Particulate Filter (Baghouse))
Print Date: 5/11/2023

Make:	Sintamatic
Manufacturer:	DCE
Model:	SI42F
Number of Bags:	1
Size of Bags (ft²):	450.00
Total Bag Area (ft²):	450.0
Bag Fabric:	Rigid porous composite
Fabric Weight (oz/ft²):	99.99
Fabric Weave:	thread count 100 in. x 60 in.
Fabric Finish:	Heat set
Maximum Design Temperature Capability (°F):	100.0
Maximum Design Air Flow Rate (acfm):	800.0
Draft Type:	Forced
Maximum Air Flow Rate to Cloth Area Ratio:	1.60
Minimum Operating Pressure Drop (in. H2O):	2.00
Maximum Operating Pressure Drop (in. H2O):	4.00
Method of Monitoring Pressure Drop:	Differential pressure gauge
Maximum Inlet Temperature (°F):	50.0
Minimum Inlet Temperature (°F):	100.0
Dew Point of Gas Stream Maximum Inlet Temperature (°F):	
Maximum Operating Exhuast Gas Flow Rate (acfm):	800.0
Maximum Inlet Gas Stream Moisture Content (%):	
Method for Determining When Bag Replacement is Required:	Differential pressure
Method for Determining When Cleaning is Required:	
Method of Bag Cleaning:	Pulse Jet
Description:	
Is Bag Cleaning Conducted On-Line?	○ Yes ● No
Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources):	8
Alternative Method to Demonstrate Control Apparatus is Operating Properly:	
Have you attached a Particle Size Distribution Analysis?	○ Yes ● No

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 CD1 (Particulate Filter (Baghouse))
Print Date: 5/11/2023

Have you attached data from recent performance testing?	○ Yes ● No
Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus?	○ Yes ● No
Have you attached a diagram showing the location and/or configuration of this control apparatus?	○ Yes ● No
Comments:	Equipment is permanently OOS.

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 CD4 (Scrubber (Packed Tower))
Print Date: 5/11/2023

Make:	PVSC
Manufacturer:	PVSC
Model:	PVSC
Is the Scrubber Used for Particulate Control?	○ Yes ● No
Is the Scrubber Used for Gas Control?	● Yes ○ No
Is the Scrubber Equipped with a Mist Eliminator?	○ Yes ● No
Minimum Pump Discharge Pressure (in. H20):	
Maximum Pump Discharge Pressure (in. H20):	
Method of Monitoring Pump Discharge Pressure:	
Minimum Pump Current (amps):	
Maximum Pump Current (amps):	
Method of Monitoring Pump Current:	
Minimum Scrubber Medium Inlet Pressure (in. H20):	
Minimum Operating Liquid Flow Rate (gpm):	230.00
Maximum Operating Liquid Flow Rate (gpm):	230.00
Method of Monitoring Liquid Flow Rate:	Flow meter
Minimum Operating Gas Flow Rate (acfm):	15,560.00
Maximum Operating Gas Flow Rate (acfm):	15,560.00
Method of Monitoring Gas Flow Rate:	Stack testing
Minimum Operating Pressure Drop (in. H20):	
Maximum Operating Pressure Drop (in. H20):	
Method of Monitoring Pressure Drop:	
Relative Direction of the Gas-Liquid Flow:	Counter-Current
Description:	
Height of Packed Section (ft):	10
Type of Packing Material:	
Size of Packing Material (in):	
Tower Diameter (ft):	
Total Tower Height (ft):	
Maximum Operating Temperature of the Inlet Gas (°F):	50.0
Maximum Operating Temperature of the Exhuast Gas(°F):	100.0
Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources):	8
Alternative Method to Demonstrate Control Apparatus is Operating Properly:	
Have you attached data from recent performance testing?	○ Yes ● No
Have you attached a diagram showing the location and/or configuration of this control apparatus?	○ Yes ● No

Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus?

○ Yes ● No

Comments: Equipment is permanently OOS

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 CD5 (Scrubber (Packed Tower))
Print Date: 5/11/2023

Make:	PVSC
Manufacturer:	PVSC
Model:	PVSC
Is the Scrubber Used for Particulate Control?	○ Yes ● No
Is the Scrubber Used for Gas Control?	● Yes ○ No
Is the Scrubber Equipped with a Mist Eliminator?	○ Yes ● No
Minimum Pump Discharge Pressure (in. H20):	
Maximum Pump Discharge Pressure (in. H20):	
Method of Monitoring Pump Discharge Pressure:	
Minimum Pump Current (amps):	
Maximum Pump Current (amps):	
Method of Monitoring Pump Current:	
Minimum Scrubber Medium Inlet Pressure (in. H20):	
Minimum Operating Liquid Flow Rate (gpm):	230.00
Maximum Operating Liquid Flow Rate (gpm):	230.00
Method of Monitoring Liquid Flow Rate:	Flow meter
Minimum Operating Gas Flow Rate (acfm):	15,560.00
Maximum Operating Gas Flow Rate (acfm):	15,560.00
Method of Monitoring Gas Flow Rate:	Stack testing
Minimum Operating Pressure Drop (in. H20):	
Maximum Operating Pressure Drop (in. H20):	
Method of Monitoring Pressure Drop:	
Relative Direction of the Gas-Liquid Flow:	Counter-Current
Description:	
Height of Packed Section (ft):	10
Type of Packing Material:	
Size of Packing Material (in):	
Tower Diameter (ft):	
Total Tower Height (ft):	
Maximum Operating Temperature of the Inlet Gas (°F):	50.0
Maximum Operating Temperature of the Exhuast Gas(°F):	100.0
Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources):	8
Alternative Method to Demonstrate Control Apparatus is Operating Properly:	
Have you attached data from recent performance testing?	○ Yes ● No
Have you attached a diagram showing the location and/or configuration of this control apparatus?	○ Yes ● No

Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus?

○ Yes ● No

Comments: Equipment is permanently OOS

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 CD6 (Particulate Filter (Other))
Print Date: 5/11/2023

Make:	DeVilbiss
Manufacturer:	DeVilbiss
Model:	DeVilbiss
Filter Description:	Paint Arrestor Pads (Exhaust Filters)
Total Filter Area (ft^2):	62.50
Maximum Design Temperature Capability (°F):	80.0
Maximum Design Air Flow Rate (acfm):	16,400.0
Maximum Air Flow Rate to Filter Area Ratio:	262.000
Minimum Operating Pressure Drop (in. H2O):	0.05
Maximum Operating Pressure Drop (in. H2O):	0.40
Maximum Inlet Temperature (°F):	80.0
Maximum Operating Exhuast Gas Flow Rate (acfm):	16,400.0
Method for Determining When Filter Replacement is Required:	Regular scheduled maintenance
Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources):	1
Alternative Method to Demonstrate Control Apparatus is Operating Properly:	
Have you attached a Particle Size Distribution Analysis?	○ Yes ● No
Have you attached data from recent performance testing?	○ Yes ● No
Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus?	○ Yes ● No
Have you attached a diagram showing the location and/or configuration of this control apparatus?	○ Yes ● No
Comments:	

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 CD6 (Particulate Filter (Other))
Print Date: 5/11/2023

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 CD7 (Oxidizer (Thermal))
Print Date: 5/11/2023

Make:	Regenerative Thermal Oxidixer
Manufacturer:	Huntington Energy Systems
Model:	PVSC
Minimum Chamber Temperature (°F):	1500
Minimum Residence Time (sec):	2
Fuel Type:	Natural gas
Description:	
Maximum Rated Gross Heat Input (MMBtu/hr):	12
Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources):	20
Alternative Method to Demonstrate Control Apparatus is Operating Properly:	RTO outlet carbon monoxide (CO) concentration is continuously monitored.
Have you attached data from recent performance testing?	○ Yes ● No
Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus?	○ Yes ● No
Have you attached a diagram showing the location and/or configuration of this control apparatus?	○ Yes ● No
Comments:	

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 CD8 (Oxidizer (Thermal))
Print Date: 5/11/2023

Make:	Regenerative Thermal Oxidixer
Manufacturer:	Huntington Energy Systems
Model:	PVSC
Minimum Chamber Temperature (°F):	1500
Minimum Residence Time (sec):	2
Fuel Type:	Natural gas
Description:	
Maximum Rated Gross Heat Input (MMBtu/hr):	12
Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources):	20
Alternative Method to Demonstrate Control Apparatus is Operating Properly:	RTO outlet carbon monoxide (CO) concentration is continuously monitored.
Have you attached data from recent performance testing?	○ Yes ● No
Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus?	○ Yes ● No
Have you attached a diagram showing the location and/or configuration of this control apparatus?	○ Yes ● No
Comments:	

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 CD9 (Particulate Filter (Baghouse))
Print Date: 5/11/2023

Make:	Sintamatic
Manufacturer:	DCE
Model:	SI42F
Number of Bags:	1
Size of Bags (ft²):	450.00
Total Bag Area (ft²):	450.0
Bag Fabric:	Rigid porous composite
Fabric Weight (oz/ft²):	99.99
Fabric Weave:	thread count 100 in. x 60 in.
Fabric Finish:	Heat set
Maximum Design Temperature Capability (°F):	100.0
Maximum Design Air Flow Rate (acfm):	800.0
Draft Type:	Forced
Maximum Air Flow Rate to Cloth Area Ratio:	1.60
Minimum Operating Pressure Drop (in. H2O):	2.00
Maximum Operating Pressure Drop (in. H2O):	4.00
Method of Monitoring Pressure Drop:	Differential pressure gauge
Maximum Inlet Temperature (°F):	50.0
Minimum Inlet Temperature (°F):	100.0
Dew Point of Gas Stream Maximum Inlet Temperature (°F):	
Maximum Operating Exhuast Gas Flow Rate (acfm):	800.0
Maximum Inlet Gas Stream Moisture Content (%):	
Method for Determining When Bag Replacement is Required:	Differential pressure
Method for Determining When Cleaning is Required:	
Method of Bag Cleaning:	Pulse Jet
Description:	
Is Bag Cleaning Conducted On-Line?	○ Yes ● No
Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources):	8
Alternative Method to Demonstrate Control Apparatus is Operating Properly:	
Have you attached a Particle Size Distribution Analysis?	○ Yes ● No

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 CD9 (Particulate Filter (Baghouse))
Print Date: 5/11/2023

Have you attached data from recent performance testing?	○ Yes ● No
Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus?	○ Yes ● No
Have you attached a diagram showing the location and/or configuration of this control apparatus?	○ Yes ● No
Comments:	Equipment is permanently OOS.

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 CD10 (Particulate Filter (Baghouse))
Print Date: 5/11/2023

Make:	Sintamatic
Manufacturer:	DCE
Model:	SI42F
Number of Bags:	1
Size of Bags (ft^2):	450.00
Total Bag Area (ft^2):	450.0
Bag Fabric:	Rigid porous composite
Fabric Weight (oz/ft^2):	99.99
Fabric Weave:	thread count 100 in. x 60 in.
Fabric Finish:	Heat set
Maximum Design Temperature Capability (°F):	100.0
Maximum Design Air Flow Rate (acfm):	800.0
Draft Type:	Forced
Maximum Air Flow Rate to Cloth Area Ratio:	1.60
Minimum Operating Pressure Drop (in. H2O):	2.00
Maximum Operating Pressure Drop (in. H2O):	4.00
Method of Monitoring Pressure Drop:	Differential pressure gauge
Maximum Inlet Temperature (°F):	50.0
Minimum Inlet Temperature (°F):	100.0
Dew Point of Gas Stream Maximum Inlet Temperature (°F):	
Maximum Operating Exhuast Gas Flow Rate (acfm):	800.0
Maximum Inlet Gas Stream Moisture Content (%):	
Method for Determining When Bag Replacement is Required:	Differential pressure
Method for Determining When Cleaning is Required:	
Method of Bag Cleaning:	Pulse Jet
Description:	
Is Bag Cleaning Conducted On-Line?	○ Yes ● No
Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources):	8
Alternative Method to Demonstrate Control Apparatus is Operating Properly:	
Have you attached a Particle Size Distribution Analysis?	○ Yes ● No

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 CD10 (Particulate Filter (Baghouse))
Print Date: 5/11/2023

Have you attached data from recent performance testing?	○ Yes ● No
Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus?	○ Yes ● No
Have you attached a diagram showing the location and/or configuration of this control apparatus?	○ Yes ● No
Comments:	Equipment is permanently OOS.

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 CD11 (Scrubber (Packed Tower))
Print Date: 5/11/2023

Make:	PVSC
Manufacturer:	PVSC
Model:	PVSC
Is the Scrubber Used for Particulate Control?	○ Yes ● No
Is the Scrubber Used for Gas Control?	● Yes ○ No
Is the Scrubber Equipped with a Mist Eliminator?	○ Yes ● No
Minimum Pump Discharge Pressure (in. H20):	6.00
Maximum Pump Discharge Pressure (in. H20):	14.50
Method of Monitoring Pump Discharge Pressure:	Differential Pressure Gauge
Minimum Pump Current (amps):	29.00
Maximum Pump Current (amps):	36.00
Method of Monitoring Pump Current:	
Minimum Scrubber Medium Inlet Pressure (in. H20):	
Minimum Operating Liquid Flow Rate (gpm):	50.00
Maximum Operating Liquid Flow Rate (gpm):	150.00
Method of Monitoring Liquid Flow Rate:	Flow meter
Minimum Operating Gas Flow Rate (acfm):	3,300.00
Maximum Operating Gas Flow Rate (acfm):	6,050.00
Method of Monitoring Gas Flow Rate:	Differential Pressure Gauge
Minimum Operating Pressure Drop (in. H20):	2.50
Maximum Operating Pressure Drop (in. H20):	4.50
Method of Monitoring Pressure Drop:	
Relative Direction of the Gas-Liquid Flow:	Counter-Current
Description:	
Height of Packed Section (ft):	10
Type of Packing Material:	Plastic
Size of Packing Material (in):	4
Tower Diameter (ft):	5.00
Total Tower Height (ft):	15.00
Maximum Operating Temperature of the Inlet Gas (°F):	
Maximum Operating Temperature of the Exhuast Gas(°F):	
Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources):	11
Alternative Method to Demonstrate Control Apparatus is Operating Properly:	pH and oxidation reduction potential (ORP) are continuously monitored
Have you attached data from recent performance testing?	○ Yes ● No
Have you attached a diagram showing the location and/or configuration of this control apparatus?	○ Yes ● No

Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus?

○ Yes ● No

Comments:

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 CD12 (Scrubber (Packed Tower))
Print Date: 5/11/2023

Make:	PVSC
Manufacturer:	PVSC
Model:	PVSC
Is the Scrubber Used for Particulate Control?	○ Yes ● No
Is the Scrubber Used for Gas Control?	● Yes ○ No
Is the Scrubber Equipped with a Mist Eliminator?	○ Yes ● No
Minimum Pump Discharge Pressure (in. H20):	6.00
Maximum Pump Discharge Pressure (in. H20):	14.50
Method of Monitoring Pump Discharge Pressure:	Differential Pressure Gauge
Minimum Pump Current (amps):	29.00
Maximum Pump Current (amps):	36.00
Method of Monitoring Pump Current:	
Minimum Scrubber Medium Inlet Pressure (in. H20):	
Minimum Operating Liquid Flow Rate (gpm):	50.00
Maximum Operating Liquid Flow Rate (gpm):	150.00
Method of Monitoring Liquid Flow Rate:	Flow meter
Minimum Operating Gas Flow Rate (acfm):	3,300.00
Maximum Operating Gas Flow Rate (acfm):	6,050.00
Method of Monitoring Gas Flow Rate:	Differential Pressure Gauge
Minimum Operating Pressure Drop (in. H20):	2.50
Maximum Operating Pressure Drop (in. H20):	4.50
Method of Monitoring Pressure Drop:	
Relative Direction of the Gas-Liquid Flow:	Counter-Current
Description:	
Height of Packed Section (ft):	10
Type of Packing Material:	Plastic
Size of Packing Material (in):	4
Tower Diameter (ft):	5.00
Total Tower Height (ft):	15.00
Maximum Operating Temperature of the Inlet Gas (°F):	
Maximum Operating Temperature of the Exhuast Gas(°F):	
Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources):	11
Alternative Method to Demonstrate Control Apparatus is Operating Properly:	pH and oxidation reduction potential (ORP) are continuously monitored
Have you attached data from recent performance testing?	○ Yes ● No
Have you attached a diagram showing the location and/or configuration of this control apparatus?	○ Yes ● No

Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus?

○ Yes ● No

Comments:

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 CD13 (Scrubber (Multi-Stage))
Print Date: 5/11/2023

Make:	LO/PRO
Manufacturer:	Siemens
Model:	LP-6000
Number of Stages:	2
Is the Scrubber Used for Particulate Control?	○ Yes ● No
Is the Scrubber Used for Gas Control?	● Yes ○ No
Is the Scrubber Equipped with a Mist Eliminator?	● Yes ○ No
Minimum Pump Discharge Pressure (in. H20):	6.00
Maximum Pump Discharge Pressure (in. H20):	14.00
Method of Monitoring Pump Discharge Pressure:	Differential Pressure Gauge
Minimum Pump Current (amps):	29.00
Maximum Pump Current (amps):	38.00
Method of Monitoring Pump Current:	
Minimum Scrubber Medium Inlet Pressure (in. H20):	6.00
Minimum Operating Liquid Flow Rate (gpm):	300.00
Maximum Operating Liquid Flow Rate (gpm):	
Method of Monitoring Liquid Flow Rate:	
Minimum Operating Gas Flow Rate (acfm):	11,500.00
Maximum Operating Gas Flow Rate (acfm):	16,200.00
Method of Monitoring Gas Flow Rate:	Differential Pressure Gauge
Minimum Operating Pressure Drop (in. H20):	5.00
Maximum Operating Pressure Drop (in. H20):	9.00
Method of Monitoring Pressure Drop:	Differential Pressure Gauge
Relative Direction of the Gas-Liquid Flow:	Counter-Current
Description:	
Maximum Inlet Gas Temperature (°F):	
Maximum Outlet Gas Temperature (°F):	
Inlet Particle Grain Loading (gr/dscf):	
Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources):	
Alternative Method to Demonstrate Control Apparatus is Operating Properly:	pH and oxidation reduction potential (ORP) are contin
Have you attached data from recent performance testing?	○ Yes ● No
Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus?	○ Yes ● No
Have you attached a diagram showing the location and/or configuration of this control apparatus?	○ Yes ● No

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 CD13 (Scrubber (Multi-Stage))
Print Date: 5/11/2023

Comments:

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 CD14 (Scrubber (Multi-Stage))
Print Date: 5/11/2023

Make:	LO/PRO
Manufacturer:	Siemens
Model:	LP-6000
Number of Stages:	2
Is the Scrubber Used for Particulate Control?	○ Yes ● No
Is the Scrubber Used for Gas Control?	● Yes ○ No
Is the Scrubber Equipped with a Mist Eliminator?	● Yes ○ No
Minimum Pump Discharge Pressure (in. H20):	6.00
Maximum Pump Discharge Pressure (in. H20):	14.00
Method of Monitoring Pump Discharge Pressure:	Differential Pressure Gauge
Minimum Pump Current (amps):	29.00
Maximum Pump Current (amps):	38.00
Method of Monitoring Pump Current:	
Minimum Scrubber Medium Inlet Pressure (in. H20):	6.00
Minimum Operating Liquid Flow Rate (gpm):	300.00
Maximum Operating Liquid Flow Rate (gpm):	
Method of Monitoring Liquid Flow Rate:	
Minimum Operating Gas Flow Rate (acfm):	11,500.00
Maximum Operating Gas Flow Rate (acfm):	16,200.00
Method of Monitoring Gas Flow Rate:	Differential Pressure Gauge
Minimum Operating Pressure Drop (in. H20):	5.00
Maximum Operating Pressure Drop (in. H20):	9.00
Method of Monitoring Pressure Drop:	Differential Pressure Gauge
Relative Direction of the Gas-Liquid Flow:	Counter-Current
Description:	
Maximum Inlet Gas Temperature (°F):	
Maximum Outlet Gas Temperature (°F):	
Inlet Particle Grain Loading (gr/dscf):	
Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources):	
Alternative Method to Demonstrate Control Apparatus is Operating Properly:	pH and oxidation reduction potential (ORP) are contin
Have you attached data from recent performance testing?	○ Yes ● No
Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus?	○ Yes ● No
Have you attached a diagram showing the location and/or configuration of this control apparatus?	○ Yes ● No

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 CD14 (Scrubber (Multi-Stage))
Print Date: 5/11/2023

Comments:

07349 PASSAIC VALLEY SEWERAGE COMMISSIONERS BOP230003 CD15 (Biofilter)
Print Date: 5/11/2023

Make:	Biofilter
Manufacturer:	Envirogen
Model:	BT-3500
Maximum Air Flow Rate to Biofilter (acfm):	14100
Maximum Temperature of Vapor Stream to Biofilter (°F):	100
Minimum Temperature of Vapor Stream to Biofilter (°F):	50
Minimum Moisture Content of Vapor Stream to Biofilter (%):	60
Bed Composition:	Synthetic reticulated polyurethane foam with activated biomass
Type of Adsorbate:	
Bed Height:	
Bed Length:	
Bed Width:	
Units:	Feet
Other Bed Dimension:	Bed Volume
Value:	3500
Units:	Cubic feet
Minimum Pressure Drop Across Biofilter (in. H20):	2
Maximum Pressure Drop Across Biofilter (in. H20):	10
Bed Activity (pH):	4
Method Used to Maintain Bed Moisture:	recirculation pump with water addition
Method Used to Maintain Bed Activity:	recirculation with nutrient addition
Method Used to Maintain Bed Temperature:	None
Method Used to Reactivate Biofilter Material:	Nutrient addition

Method Used to Determine When Biofilter Should be Reactivated:	
Method used to Dispose of Biofilter Material?	
Is the Biofilter Covered?	● Yes ○ No
Is the Biofilter Heated?	○ Yes ● No
Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-permitted Sources):	12
Alternative Method to Demonstrate Control Apparatus is Operating Properly:	
Have you attached data from recent performance testing?	○ Yes ● No
Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus?	○ Yes ● No
Have you attached a diagram showing the location and/or configuration of this control apparatus?	○ Yes ● No
Comments:	

PASSAIC VALLEY SEWERAGE COMMISSION (07349)
BOP230003

Date: 11/28/2023

New Jersey Department of Environmental Protection
Emission Points Inventory

PT NJID	Facility's Designation	Description	Config.	Equiv. Diam. (in.)	Height (ft.)	Dist. to Prop. Line (ft)	Exhaust Temp. (deg. F)			Exhaust Vol. (acfm)			Discharge Direction	PT Set ID
							Avg.	Min.	Max.	Avg.	Min.	Max.		
PT5	NJS 016	Oxygen Production Building 1 & 2 boiler stack	Square	45	100	190	375.0	375.0	375.0	4,000.0	4,000.0	4,000.0	Up	
PT7	NJS 020	Grit and Screening Building 1 & 2 boiler stack	Round	24	23	24	640.0	640.0	640.0	1,247.0	1,247.0	1,247.0	Horizontal	
PT8	NJS 021	Wet Weather Pump Station Building 1 & 2 boiler stack	Round	24	49	360	375.0	375.0	375.0	1,680.0	1,680.0	1,680.0	Up	
PT11	NJS 028	Operations & Maintenance Building 2 & 3 boiler stack	Round	40	43	460	365.0	200.0	450.0	13,726.0	3,000.0	19,500.0	Up	
PT12	NJS 030	Lime Storage Silo #1	Round	8	50	125	70.0	70.0	70.0	375.0	0.0	750.0	Up	
PT13	NJS 031	Lime Storage Silo #2	Round	8	50	125	70.0	70.0	70.0	375.0	0.0	750.0	Up	
PT14	NJS 032	Lime Storage Silo #3	Round	88	50	125	70.0	70.0	70.0	375.0	0.0	750.0	Up	
PT15	NJS 033	Centrifuge Sludge Dewatering Odor Control System Stack	Round	42	40	100	70.0	70.0	70.0	14,842.0	14,842.0	14,842.0	Up	
PT16	NJS 034	Auto-Truck Paint Spray Booth Exhaust Stack	Round	32	24	180	70.0	70.0	80.0	1,640.0	1,640.0	1,640.0	Horizontal	
PT17	NJS 035	Zimpro Odor Control Stack	Round	54	150	90	250.0	250.0	250.0	47,000.0	47,000.0	47,000.0	Up	
PT18	NJS 036	Lime Day Tank #1 Vent	Round	8	50	125	70.0	70.0	70.0	375.0	0.0	750.0	Up	
PT19	NJS 037	Lime Day Tank #2 Vent	Round	8	50	125	70.0	70.0	70.0	375.0	0.0	750.0	Up	
PT20	NJS 038	Filter Press Building Discharge Stack	Round	44	43	50	70.0	70.0	70.0	20,000.0	20,000.0	20,000.0	Up	
PT21	NJS 039	Sludge Storage & Loading Building Stack #1	Round	36	98	50	70.0	70.0	70.0	20,000.0	20,000.0	20,000.0	Up	
PT22	NJS 039	Sludge Storage & Loading Building Stack #2	Round	36	98	50	70.0	70.0	70.0	40,000.0	40,000.0	40,000.0	Up	
PT25	NJS 041	Sludge Heat Treatment #1 Boiler Stack	Round	42	140	280	330.0	278.0	382.0	12,678.0	4,557.0	20,798.0	Up	

PASSAIC VALLEY SEWERAGE COMMISSION (07349)
BOP230003

Date: 11/28/2023

New Jersey Department of Environmental Protection
Emission Points Inventory

PT NJID	Facility's Designation	Description	Config.	Equiv. Diam. (in.)	Height (ft.)	Dist. to Prop. Line (ft)	Exhaust Temp. (deg. F)			Exhaust Vol. (acfm)			Discharge Direction	PT Set ID
							Avg.	Min.	Max.	Avg.	Min.	Max.		
PT26	NJS 042	Sludge Heat Treatment #2 Boiler Stack	Round	42	140	280	330.0	278.0	382.0	12,678.0	4,557.0	20,798.0	Up	
PT27	NJS 043	Sludge Heat Treatment #3 Boiler Stack	Round	42	140	100	330.0	278.0	382.0	12,678.0	4,557.0	20,798.0	Up	
PT28	NJS 040	Sludge Heat Treatment #4 Boiler Stack	Round	42	140	100	330.0	278.0	382.0	12,678.0	4,557.0	20,798.0	Up	
PT30	BAR SCREENS	Influent Fine Screens Emission	Rectangle	999	999	50	70.0	70.0	70.0	128.0	0.0	256.0	Up	
PT31	GRIT CHANNEL	Grit Channel Emission	Rectangle	999	999	100	70.0	70.0	70.0	128.0	0.0	256.0	Up	
PT32	IPS	Influent Screw Pumps Emission	Rectangle	999	999	315	70.0	70.0	70.0	20.0	0.0	40.0	Up	
PT38	PRIMARIES	Primary Clarifiers Emission	Rectangle	999	999	50	70.0	70.0	70.0	1,730.0	0.0	3,460.0	Up	
PT50	O2TANKS	Oxygenation Tanks Emission	Rectangle	999	999	200	70.0	70.0	70.0	1,845.0	0.0	3,690.0	Up	
PT51	FINALS	Final Clarifiers Emission	Rectangle	999	999	90	70.0	70.0	70.0	5,000.0	0.0	10,000.0	Up	
PT52	RASWAS	Return Sludge Screw Pump Facilities Emission	Rectangle	999	999	590	70.0	70.0	70.0	8.0	0.0	16.0	Up	
PT53	THICKENERS	Gravity Thickeners Emission	Round	999	999	35	70.0	70.0	70.0	630.0	0.0	1,260.0	Up	
PT54	CHORINATION	Chlorination Facilities Emission	Rectangle	999	999	90	70.0	70.0	70.0	300.0	0.0	600.0	Up	
PT55	HYPOTANK1	NaOCl Storage Tank #1	Round	144	40	250	70.0	70.0	100.0	0.5	0.0	1.0	Up	
PT56	HYPOTANK2	NaOCl Storage Tank #2	Round	144	40	250	70.0	70.0	100.0	0.5	0.0	1.0	Up	
PT57	HYPOTANK3	NaOCl Storage Tank #3	Round	144	40	250	70.0	70.0	100.0	0.5	0.0	1.0	Up	
PT58	HYPOTANK4	NaOCl Storage Tank #4	Round	144	40	250	70.0	70.0	100.0	0.5	0.0	1.0	Up	
PT59	HYPOTANK5	NaOCl Storage Tank #5	Round	144	40	250	70.0	70.0	100.0	0.5	0.0	1.0	Up	

PASSAIC VALLEY SEWERAGE COMMISSION (07349)
BOP230003

Date: 11/28/2023

New Jersey Department of Environmental Protection
Emission Points Inventory

PT NJID	Facility's Designation	Description	Config.	Equiv. Diam. (in.)	Height (ft.)	Dist. to Prop. Line (ft)	Exhaust Temp. (deg. F)			Exhaust Vol. (acfm)			Discharge Direction	PT Set ID
							Avg.	Min.	Max.	Avg.	Min.	Max.		
PT60	NJS044	Centrifuge Facility Hot Water Heaters #1 & 2 Stack	Round	16	44	100	275.0	275.0	275.0	477.0	477.0	477.0	Up	
PT62	NJS045	Scrubber Stack - 1	Round	24	78	200	60.0	50.0	70.0	5,200.0	3,300.0	6,050.0	Up	
PT63	NJS046	Scrubber Stack - 2	Round	24	78	200	60.0	50.0	70.0	5,200.0	3,300.0	6,050.0	Up	
PT64	SCR1800	Odor Control Scrubber	Round	36	56	375	63.0	20.0	106.0	14,100.0	11,500.0	16,200.0	Up	
PT65	SCR1850	Odor Control Scrubber	Round	36	56	375	63.0	20.0	106.0	14,100.0	11,500.0	16,200.0	Up	
PT108	CAT600	CAT600	Round	8	11	232	300.0	300.0	300.0	10,375.0	0.0	20,765.0	Up	
PT109	CATXQ350	CATXQ350	Round	6	10	80	300.0	300.0	300.0	5,000.0	0.0	10,000.0	Up	
PT110	CATXQ200	CATXQ200	Round	4	9	150	300.0	300.0	300.0	3,300.0	0.0	6,600.0	Up	
PT111	MMG130	MMG130	Round	3	7	40	300.0	300.0	300.0	1,600.0	0.0	3,200.0	Up	
PT201	SST1 Stack	Exhaust Stack on SST1	Round	999	49	120	70.0	50.0	90.0	985.4	0.0	985.4	Up	
PT202	SST2 Stack	Exhaust Stack on SST2	Round	999	49	120	70.0	50.0	90.0	985.4	0.0	985.4	Up	
PT205	SST5 Stack	Exhaust Stack on SST5	Round	999	49	120	70.0	50.0	90.0	985.4	0.0	985.4	Up	
PT206	SST6 Stack	Exhaust Stack on SST6	Round	999	49	120	70.0	50.0	90.0	985.4	0.0	985.4	Up	
PT207	GASTANK1	Vehicle Maintenance Facility gasoline storage tank #1 stack	Round	2	12	2	70.0	70.0	70.0	0.5	0.0	1.0	Up	
PT208	GASTANK1	Vehicle Maintenance Facility gasoline storage tank #1 stack	Round	2	12	2	70.0	70.0	70.0	0.5	0.0	1.0	Up	

PASSAIC VALLEY SEWERAGE COMMISSION (07349)
BOP230003

Date: 11/28/2023

New Jersey Department of Environmental Protection
Emission Unit/Batch Process Inventory

U 5 Ox Blrs 1,2 Oxygen Production Building Boilers #1 & #2 (10.4 MMBtu/hr each)

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	BLR 1 NG	Boiler #1 firing natural gas	Normal - Steady State	E6		PT5	1-02-006-02	0.0	4,380.0		4,000.0	4,000.0	375.0	375.0
OS2	BLR 2 NG	Boiler #2 firing natural gas	Normal - Steady State	E7		PT5	1-02-006-02	0.0	4,380.0		4,000.0	4,000.0	375.0	375.0

U 7 Scr Blrs 1,2 Grit and Screening Boilers #1 & #2 (1.701 MMBtu/hr each). One boiler is primary, the second is standby.

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	BLR 1 NG	Boiler #1 firing natural gas	Normal - Steady State	E10		PT7	1-02-006-03 1-02-006-02	0.0	8,736.0		1,247.0	1,247.0	50.0	100.0
OS2	BLR 2 NG	Boiler #2 firing natural gas	Normal - Steady State	E11		PT7	1-02-006-03 1-02-006-02	0.0	8,736.0		1,247.0	1,247.0	50.0	100.0

PASSAIC VALLEY SEWERAGE COMMISSION (07349)
BOP230003

Date: 11/28/2023

New Jersey Department of Environmental Protection
Emission Unit/Batch Process Inventory

U 8 PumpBlrs 1,2 Wet Weather Pump Station Boilers #1 & #2 (1.714 MMBtu/hr each). One boiler is primary, the second is standby.

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	BLR 1 NG	Boiler #1 firing natural gas	Normal - Steady State	E12		PT8	1-02-006-03 1-02-006-02	0.0	8,760.0		1,680.0	1,680.0	375.0	375.0
OS2	BLR 2 NG	Boiler #2 firing natural gas	Normal - Steady State	E12		PT8	1-02-006-03 1-02-006-02	0.0	8,760.0		1,680.0	1,680.0	375.0	375.0

U 9 GasTanks 1,2 Vehicle Maintenance Gasoline Underground Storage Tanks #1 and #2. (Tank 1 - 10,000 gallons & Tank 2 - 6,000 gallons)

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	GASTANK1	Gasoline Storage UST #1 10,000-gallons	Normal - Steady State	E207		PT207	A25-01-060-200		8,760.0		0.0	1.0	0.0	75.0
OS2	GASTANK2	Gasoline Storage UST #1 6,000-gallons	Normal - Steady State	E208		PT208	A25-01-060-200		8,760.0		0.0	1.0	0.0	75.0

PASSAIC VALLEY SEWERAGE COMMISSION (07349)
BOP230003

Date: 11/28/2023

New Jersey Department of Environmental Protection
Emission Unit/Batch Process Inventory

U 11 MaintBls 2,3 Operations & Maintenance Building 24.5 MMBTU/hr Boilers #2 & #3 subject to NSPS Dc

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS8	BLR 2 NG	Boiler #2 firing natural gas	Normal - Steady State	E106		PT11	1-02-006-02	0.0	8,760.0		3,000.0	6,500.0	200.0	450.0
OS9	BLR 3 NG	Boiler #3 firing natural gas	Normal - Steady State	E107		PT11	1-02-006-02	0.0	8,760.0		3,000.0	6,500.0	200.0	450.0

U 12 LimeSilo 123 Lime Storage Silos #1, #2 and #3, each with baghouse for particulate control (CD1, CD2 and CD3)

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	NJS 030	Lime storage silo #1 with baghouse	Normal - Steady State	E19	CD1 (P)	PT12			8,760.0		750.0	750.0	70.0	70.0
OS2	NJS 031	Lime storage silo #2 with baghouse	Normal - Steady State	E20	CD2 (P)	PT13			8,760.0		750.0	750.0	70.0	70.0
OS3	NJS 032	Lime storage silo #3 with baghouse	Normal - Steady State	E21	CD3 (P)	PT14			8,760.0		750.0	750.0	70.0	70.0

PASSAIC VALLEY SEWERAGE COMMISSION (07349)
BOP230003

Date: 11/28/2023

New Jersey Department of Environmental Protection
Emission Unit/Batch Process Inventory

U 15 CentfgeOdor Centrifuge Sludge Dewatering Odor Control System (CD4 and CD5)

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1		Mixing Conveyor #1; Odor Control Scrubber and Ammonia Scrubber	Normal - Steady State	E1501	CD4 (P) CD5 (S)	PT15			8,760.0				70.0	70.0
OS2		Mixing Conveyor #2; Odor Control Scrubber and Ammonia Scrubber	Normal - Steady State	E1502	CD4 (P) CD5 (S)	PT15			8,760.0				70.0	70.0
OS3		Belt Elevator #1; Odor Control Scrubber and Ammonia Scrubber	Normal - Steady State	E1503	CD4 (P) CD5 (S)	PT15			8,760.0				70.0	70.0
OS4		Belt Elevator #2; Odor Control Scrubber and Ammonia Scrubber	Normal - Steady State	E1504	CD4 (P) CD5 (S)	PT15			8,760.0				70.0	70.0
OS5		Centrifuge Centrate Screw Conveyor; Odor Control Scrubber and Ammonia Scrubber	Normal - Steady State	E1505	CD4 (P) CD5 (S)	PT15			8,760.0				70.0	70.0
OS6		Solids Screw Conveyor; Odor Control Scrubber and Ammonia Scrubber	Normal - Steady State	E1506	CD4 (P) CD5 (S)	PT15			8,760.0				70.0	70.0
OS7		Sludge Storage Silo #1; Odor Control Scrubber and Ammonia Scrubber (Note: When storing Zimpro sludge, this equipment is in U16.)	Normal - Steady State	E1507	CD4 (P) CD5 (S)	PT15			8,760.0				70.0	70.0
OS8		Sludge Storage Silo #3; Odor Control Scrubber and Ammonia Scrubber (Note: When storing Zimpro sludge, this equipment is in U16.)	Normal - Steady State	E1508	CD4 (P) CD5 (S)	PT15			8,760.0				70.0	70.0

PASSAIC VALLEY SEWERAGE COMMISSION (07349)
BOP230003

Date: 11/28/2023

New Jersey Department of Environmental Protection
Emission Unit/Batch Process Inventory

U 15 CentfgeOdor Centrifuge Sludge Dewatering Odor Control System (CD4 and CD5)

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS9		Digested Sludge Wetwell; Odor Control Scrubber and Ammonia Scrubber	Normal - Steady State	E1509	CD4 (P) CD5 (S)	PT15			8,760.0				70.0	70.0
OS10		Wetwell #1; Odor Control Scrubber and Ammonia Scrubber	Normal - Steady State	E1510	CD4 (P) CD5 (S)	PT15			8,760.0				70.0	70.0
OS11		Wetwell #2; Odor Control Scrubber and Ammonia Scrubber	Normal - Steady State	E1511	CD4 (P) CD5 (S)	PT15			8,760.0				70.0	70.0
OS12		Mixing Conveyor #1; Odor Control Scrubber	Normal - Steady State	E1501	CD4 (P)	PT15			144.0				70.0	70.0
OS13		Mixing Conveyor #2; Odor Control Scrubber	Normal - Steady State	E1502	CD4 (P)	PT15			144.0				70.0	70.0
OS14		Belt Elevator #1; Odor Control Scrubber	Normal - Steady State	E1503	CD4 (P)	PT15			144.0				70.0	70.0
OS15		Belt Elevator #2; Odor Control Scrubber	Normal - Steady State	E1504	CD4 (P)	PT15			144.0				70.0	70.0
OS16		Centrifuge Centrate Screw Conveyor; Odor Control Scrubber	Normal - Steady State	E1505	CD4 (P)	PT15			144.0				70.0	70.0
OS17		Solids Screw Conveyor; Odor Control Scrubber	Normal - Steady State	E1506	CD4 (P)	PT15			144.0				70.0	70.0
OS18		Sludge Storage Silo #1; Odor Control Scrubber (Note: When storing Zimpro sludge, this equipment is in U16.)	Normal - Steady State	E1507	CD4 (P)	PT15			144.0				70.0	70.0
OS19		Sludge Storage Silo #3; Odor Control Scrubber (Note: When storing Zimpro sludge, this equipment is in U16.)	Normal - Steady State	E1508	CD4 (P)	PT15			144.0				70.0	70.0

PASSAIC VALLEY SEWERAGE COMMISSION (07349)
BOP230003

Date: 11/28/2023

New Jersey Department of Environmental Protection
Emission Unit/Batch Process Inventory

U 15 CentfgeOdor Centrifuge Sludge Dewatering Odor Control System (CD4 and CD5)

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS20		Digested Sludge Wetwell; Odor Control Scrubber	Normal - Steady State	E1509	CD4 (P)	PT15			144.0				70.0	70.0
OS21		Wetwell #1; Odor Control Scrubber	Normal - Steady State	E1510	CD4 (P)	PT15			144.0				70.0	70.0
OS22		Wetwell #2; Odor Control Scrubber	Normal - Steady State	E1511	CD4 (P)	PT15			144.0				70.0	70.0
OS23		Mixing Conveyor #1; Ammonia Scrubber	Normal - Steady State	E1501	CD5 (P)	PT15			144.0				70.0	70.0
OS24		Mixing Conveyor #2; Ammonia Scrubber	Normal - Steady State	E1502	CD5 (P)	PT15			144.0				70.0	70.0
OS25		Belt Elevator #1; Ammonia Scrubber	Normal - Steady State	E1503	CD5 (P)	PT15			144.0				70.0	70.0
OS26		Belt Elevator #2; Ammonia Scrubber	Normal - Steady State	E1504	CD5 (P)	PT15			144.0				70.0	70.0
OS27		Centrifuge Centrate Screw Conveyor; Ammonia Scrubber	Normal - Steady State	E1505	CD5 (P)	PT15			144.0				70.0	70.0
OS28		Solids Screw Conveyor; Ammonia Scrubber	Normal - Steady State	E1506	CD5 (P)	PT15			144.0				70.0	70.0
OS29		Sludge Storage Silo #1; Ammonia Scrubber (Note: When storing Zimpro sludge, this equipment is in U16.)	Normal - Steady State	E1507	CD5 (P)	PT15			144.0				70.0	70.0
OS30		Sludge Storage Silo #3; Ammonia Scrubber (Note: When storing Zimpro sludge, this equipment is in U16.)	Normal - Steady State	E1508	CD5 (P)	PT15			144.0				70.0	70.0
OS31		Digested Sludge Wetwell; Ammonia Scrubber	Normal - Steady State	E1509	CD5 (P)	PT15			144.0				70.0	70.0

PASSAIC VALLEY SEWERAGE COMMISSION (07349)
BOP230003

Date: 11/28/2023

New Jersey Department of Environmental Protection
Emission Unit/Batch Process Inventory

U 15 CentfgeOdor Centrifuge Sludge Dewatering Odor Control System (CD4 and CD5)

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS32		Wetwell #1; Ammonia Scrubber	Normal - Steady State	E1510	CD5 (P)	PT15			144.0				70.0	70.0
OS33		Wetwell #2; Ammonia Scrubber	Normal - Steady State	E1511	CD5 (P)	PT15			144.0				70.0	70.0

U 16 Zimpro Odor Zimpro Odor Control System (CD7 and CD8)

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	SludgeTank#1	Sludge Storage Tank #1, venting to primary RTO, CD7	Normal - Steady State	E1601	CD7 (P)	PT17			8,760.0				250.0	250.0
OS3	SldgDecant#1	Sludge Decant Tank #1, venting to primary RTO, CD7	Normal - Steady State	E1603	CD7 (P)	PT17			8,760.0				250.0	250.0
OS4	SldgDecant#2	Sludge Decant Tank #2, venting to primary RTO, CD7	Normal - Steady State	E1604	CD7 (P)	PT17			8,760.0				250.0	250.0
OS5	SldgDecant#3	Sludge Decant Tank #3, venting to primary RTO, CD7	Normal - Steady State	E1605	CD7 (P)	PT17			8,760.0				250.0	250.0
OS6	SldgDecant#4	Sludge Decant Tank #4, venting to primary RTO, CD7	Normal - Steady State	E1606	CD7 (P)	PT17			8,760.0				250.0	250.0

PASSAIC VALLEY SEWERAGE COMMISSION (07349)
BOP230003

Date: 11/28/2023

New Jersey Department of Environmental Protection
Emission Unit/Batch Process Inventory

U 16 Zimpro Odor Zimpro Odor Control System (CD7 and CD8)

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS7	SldgDecant#5	Sludge Decant Tank #5, venting to primary RTO, CD7	Normal - Steady State	E1607	CD7 (P)	PT17			8,760.0				250.0	250.0
OS8	SldgDecant#6	Sludge Decant Tank #6, venting to primary RTO, CD7	Normal - Steady State	E1608	CD7 (P)	PT17			8,760.0				250.0	250.0
OS9	FiltraPot#1	Filtrate Pot #1, venting to primary RTO, CD7, venting to primary RTO, CD7	Normal - Steady State	E1609	CD7 (P)	PT17			8,760.0				250.0	250.0
OS10	FiltraPot#2	Filtrate Pot #2, venting to primary RTO, CD7	Normal - Steady State	E1610	CD7 (P)	PT17			8,760.0				250.0	250.0
OS11	FiltraPot#3	Filtrate Pot #3, venting to primary RTO, CD7	Normal - Steady State	E1611	CD7 (P)	PT17			8,760.0				250.0	250.0
OS12	FiltraPot#4	Filtrate Pot #4, venting to primary RTO, CD7	Normal - Steady State	E1612	CD7 (P)	PT17			8,760.0				250.0	250.0
OS13	FiltraPot#5	Filtrate Pot #5, venting to primary RTO, CD7	Normal - Steady State	E1613	CD7 (P)	PT17			8,760.0				250.0	250.0
OS14	SldgFeWeWell	Sludge Feed Wetwell, venting to primary RTO, CD7	Normal - Steady State	E1614	CD7 (P)	PT17			8,760.0				250.0	250.0
OS15	FiltraWeWell	Filtrate Wetwell, venting to primary RTO, CD7	Normal - Steady State	E1615	CD7 (P)	PT17			8,760.0				250.0	250.0
OS16	BeltElev#1	Belt Elevator #1, venting to primary RTO, CD7	Normal - Steady State	E1616	CD7 (P)	PT17			8,760.0				250.0	250.0
OS17	BeltElev#2	Belt Elevator #2, venting to primary RTO, CD7	Normal - Steady State	E1617	CD7 (P)	PT17			8,760.0				250.0	250.0
OS18	SludgeSilo#2	Sludge Storage Silo #2, venting to primary RTO, CD7	Normal - Steady State	E1618	CD7 (P)	PT17			8,760.0				250.0	250.0

PASSAIC VALLEY SEWERAGE COMMISSION (07349)
BOP230003

Date: 11/28/2023

New Jersey Department of Environmental Protection
Emission Unit/Batch Process Inventory

U 16 Zimpro Odor Zimpro Odor Control System (CD7 and CD8)

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS19	SludgeSilo#4	Sludge Storage Silo #4, venting to primary RTO, CD7	Normal - Steady State	E1619	CD7 (P)	PT17			8,760.0				250.0	250.0
OS20	SludgeSilo#1	Sludge Storage Silo #1 (when storing Zimpro sludge; otherwise in U15), venting to primary RTO, CD7	Normal - Steady State	E1507	CD7 (P)	PT17			8,760.0				250.0	250.0
OS21	SludgeSilo#3	Sludge Storage Silo #3 (when storing Zimpro sludge; otherwise in U15), venting to primary RTO, CD7	Normal - Steady State	E1508	CD7 (P)	PT17			8,760.0				250.0	250.0
OS22	SludgeTank#1	Sludge Storage Tank #1, venting to standby RTO, CD8	Normal - Steady State	E1601	CD8 (P)	PT17			8,760.0				250.0	250.0
OS24	SldgDecant#1	Sludge Decant Tank #1, venting to standby RTO, CD8	Normal - Steady State	E1603	CD8 (P)	PT17			8,760.0				250.0	250.0
OS25	SldgDecant#2	Sludge Decant Tank #2, venting to standby RTO, CD8	Normal - Steady State	E1604	CD8 (P)	PT17			8,760.0				250.0	250.0
OS26	SldgDecant#3	Sludge Decant Tank #3, venting to standby RTO, CD8	Normal - Steady State	E1605	CD8 (P)	PT17			8,760.0				250.0	250.0
OS27	SldgDecant#4	Sludge Decant Tank #4, venting to standby RTO, CD8	Normal - Steady State	E1606	CD8 (P)	PT17			8,760.0				250.0	250.0
OS28	SldgDecant#5	Sludge Decant Tank #5, venting to standby RTO, CD8	Normal - Steady State	E1607	CD8 (P)	PT17			8,760.0				250.0	250.0

PASSAIC VALLEY SEWERAGE COMMISSION (07349)
BOP230003

Date: 11/28/2023

New Jersey Department of Environmental Protection
Emission Unit/Batch Process Inventory

U 16 Zimpro Odor Zimpro Odor Control System (CD7 and CD8)

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS29	SldgDecant#6	Sludge Decant Tank #6, venting to standby RTO, CD8	Normal - Steady State	E1608	CD8 (P)	PT17			8,760.0				250.0	250.0
OS30	FiltraPot#1	Filtrate Pot #1, venting to standby RTO, CD8	Normal - Steady State	E1609	CD8 (P)	PT17			8,760.0				250.0	250.0
OS31	FiltraPot#2	Filtrate Pot #2, venting to standby RTO, CD8	Normal - Steady State	E1610	CD8 (P)	PT17			8,760.0				250.0	250.0
OS32	FiltraPot#3	Filtrate Pot #3, venting to standby RTO, CD8	Normal - Steady State	E1611	CD8 (P)	PT17			8,760.0				250.0	250.0
OS33	FiltraPot#4	Filtrate Pot #4, venting to standby RTO, CD8	Normal - Steady State	E1612	CD8 (P)	PT17			8,760.0				250.0	250.0
OS34	FiltraPot#5	Filtrate Pot #5, venting to standby RTO, CD8	Normal - Steady State	E1613	CD8 (P)	PT17			8,760.0				250.0	250.0
OS35	SldgFeWeWell	Sludge Feed Wetwell, venting to standby RTO, CD8	Normal - Steady State	E1614	CD8 (P)	PT17			8,760.0				250.0	250.0
OS36	FiltraWeWell	Filtrate Wetwell, venting to standby RTO, CD8	Normal - Steady State	E1615	CD8 (P)	PT17			8,760.0				250.0	250.0
OS37	BeltElev#1	Belt Elevator #1, venting to standby RTO, CD8	Normal - Steady State	E1616	CD8 (P)	PT17			8,760.0				250.0	250.0
OS38	BeltElev#2	Belt Elevator #2, venting to standby RTO, CD8	Normal - Steady State	E1617	CD8 (P)	PT17			8,760.0				250.0	250.0
OS39	SludgeSilo#2	Sludge Storage Silo #2, venting to standby RTO, CD8	Normal - Steady State	E1618	CD8 (P)	PT17			8,760.0				250.0	250.0
OS40	SludgeSilo#4	Sludge Storage Silo #4, venting to standby RTO, CD8	Normal - Steady State	E1619	CD8 (P)	PT17			8,760.0				250.0	250.0

PASSAIC VALLEY SEWERAGE COMMISSION (07349)
BOP230003

Date: 11/28/2023

New Jersey Department of Environmental Protection
Emission Unit/Batch Process Inventory

U 16 Zimpro Odor Zimpro Odor Control System (CD7 and CD8)

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS41	SludgeSilo#1	Sludge Storage Silo #1 (when storing Zimpro sludge; otherwise in U15), venting to standby RTO, CD8	Normal - Steady State	E1507	CD8 (P)	PT17			8,760.0				250.0	250.0
OS42	SludgeSilo#3	Sludge Storage Silo #3 (when storing Zimpro sludge; otherwise in U15), venting to standby RTO, CD8	Normal - Steady State	E1508	CD8 (P)	PT17			8,760.0				250.0	250.0

U 17 Lime Bin 1,2 Lime Bin #1 and #2, each with baghouse for particulate control (CD9 and CD10)

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	L Bin #1	Lime Bin #1 with baghouse	Normal - Steady State	E25	CD9 (P)	PT18			4,380.0		750.0	750.0	70.0	70.0
OS2	L Bin #2	Lime Bin #2 with baghouse	Normal - Steady State	E26	CD10 (P)	PT19			4,380.0		750.0	750.0	70.0	70.0

PASSAIC VALLEY SEWERAGE COMMISSION (07349)
BOP230003

Date: 11/28/2023

New Jersey Department of Environmental Protection
Emission Unit/Batch Process Inventory

U 19 Sludge Bldg Sludge Storage & Loading Building

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	Sludge bldg	Sludge loading building ventilation system	Normal - Steady State	E28		PT21 PT22			3,120.0		60,000.0	60,000.0	70.0	70.0

U 20 SldgHeat 1-4 Sludge Heat Treatment Boilers #1 - #4. (67.1 MMBtu/hr each) Only 3 run at once. Firing NG. Subject to NSPS Subparts A & Dc

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	BLR 1 NG	Sludge heat treatment boiler #1 firing natural gas.	Normal - Steady State	E29		PT25	1-02-006-02		8,760.0		4,557.0	20,798.0	278.0	382.0
OS2	BLR 2 NG	Sludge heat treatment boiler #2 firing natural gas.	Normal - Steady State	E30		PT26	1-02-006-02		8,760.0		4,557.0	20,798.0	278.0	382.0
OS3	BLR 3 NG	Sludge heat treatment boiler #3 firing natural gas.	Normal - Steady State	E31		PT27	1-02-006-02		8,760.0		4,557.0	20,798.0	278.0	382.0
OS4	BLR 4 NG	Sludge heat treatment boiler #4 firing natural gas.	Normal - Steady State	E32		PT28	1-02-006-02		8,760.0		4,557.0	20,798.0	278.0	382.0

PASSAIC VALLEY SEWERAGE COMMISSION (07349)
BOP230003

Date: 11/28/2023

New Jersey Department of Environmental Protection
Emission Unit/Batch Process Inventory

U 21 NaOCl tanks Sodium Hypochlorite (NaOCl) Storage Tanks #1 through #5, 30,000 gallons each

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	Tank #1	NaOCl Storage Tank #1	Normal - Steady State	E33		PT55			8,760.0					100.0
OS2	Tank #2	NaOCl Storage Tank #2	Normal - Steady State	E34		PT56			8,760.0					100.0
OS3	Tank #3	NaOCl Storage Tank #3	Normal - Steady State	E35		PT57			8,760.0					100.0
OS4	Tank #4	NaOCl Storage Tank #4	Normal - Steady State	E36		PT58			8,760.0					100.0
OS5	Tank #5	NaOCl Storage Tank #5	Normal - Steady State	E37		PT59			8,760.0					100.0

U 22 CentHtr 1,2 Centrifuge Facility Hot Water Heaters #1 & #2 (1.6 MMBtu/hr each) Firing NG

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	Heater #1	Hot Water Heater #1	Normal - Steady State	E38		PT60			8,760.0		477.0	477.0	375.0	375.0
OS2	Heater #2	Hot Water Heater #2	Normal - Steady State	E39		PT60			8,760.0		477.0	477.0	375.0	375.0

PASSAIC VALLEY SEWERAGE COMMISSION (07349)
BOP230003

Date: 11/28/2023

New Jersey Department of Environmental Protection
Emission Unit/Batch Process Inventory

U 23 FiltPresses Sludge Filter Presses

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	Filter Press	Sludge Filter Press Operation	Normal - Steady State	E27		PT20			8,760.0		20,000.0	20,000.0	70.0	70.0

U 24 Paint Booth Vehicle Paint Spray Booth with 1.7 MMBtu/hr air heater (CD6)

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	Painting	Vehicle Spray Painting	Normal - Steady State	E23	CD6 (P)	PT16			500.0	A	16,400.0	16,400.0	70.0	80.0
OS2	Heater	Air Replacement Unit (1.7 MMBtu/hr, NG) indirect fired	Normal - Steady State	E103	CD6 (P)	PT16		0.0	500.0	C	0.0	17,000.0	90.0	90.0

PASSAIC VALLEY SEWERAGE COMMISSION (07349)
BOP230003

Date: 11/28/2023

New Jersey Department of Environmental Protection
Emission Unit/Batch Process Inventory

U 26 InfFineScr Influent Fine Screens (Grandfathered)

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	fine screens	Wastewater flow through fine screens.	Normal - Steady State	E51		PT30			8,760.0					

U 27 GritChannels Grit Channels (Grandfathered)

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	grit channel	Wastewater flow through grit channels.	Normal - Steady State	E52		PT31			8,760.0					

PASSAIC VALLEY SEWERAGE COMMISSION (07349)
BOP230003

Date: 11/28/2023

New Jersey Department of Environmental Protection
Emission Unit/Batch Process Inventory

U 28 InfScrPumps Influent Screw Pumps (Grandfathered)

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	screw pumps	Wastewater flow through Influent Screw Pumps	Normal - Steady State	E53		PT32			8,760.0					

U 34 PrimyClarifs Primary Clarifiers (Grandfathered)

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	primary clar	Wastewater flow through Primary Clarifiers	Normal - Steady State	E59		PT38			8,760.0					

PASSAIC VALLEY SEWERAGE COMMISSION (07349)
BOP230003

Date: 11/28/2023

New Jersey Department of Environmental Protection
Emission Unit/Batch Process Inventory

U 46 Oxgetn Tanks Oxygenation Tanks (Grandfathered)

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	O2 tanks	Wastewater flow through Oxygenation Tanks	Normal - Steady State	E71		PT50			8,760.0					

U 47 Final Clar Final Clarifiers (Grandfathered)

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	final clarif	Wastewater flow through Final Clarifiers	Normal - Steady State	E72		PT51			8,760.0					

PASSAIC VALLEY SEWERAGE COMMISSION (07349)
BOP230003

Date: 11/28/2023

New Jersey Department of Environmental Protection
Emission Unit/Batch Process Inventory

U 48 RetScrPumps Return Sludge Screw Pump Facilities (Grandfathered)

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	return scr p	Wastewater flow through Return Sludge Screw Pumps	Normal - Steady State	E73		PT52			8,760.0					

U 49 Grav Thicknr Gravity Thickeners (Grandfathered)

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	gravity thic	Wastewater flow through Gravity Thickeners	Normal - Steady State	E74		PT53			8,760.0					

PASSAIC VALLEY SEWERAGE COMMISSION (07349)
BOP230003

Date: 11/28/2023

New Jersey Department of Environmental Protection
Emission Unit/Batch Process Inventory

U 50 ClFacilities Chlorination Facilities (Grandfathered)

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	clorination	Wastewater flow through Chlorination Facilities	Normal - Steady State	E75		PT54			8,760.0					

U 54 Centruge 1-5 Sludge Thickening Centrifuges #1 through #5, Thickener Sludge Wetwells #1 thru #6 , new sludge storage tank (CD11, CD12, CD13, CD14, and CD15)

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	Cnt1 WS1	Thickening Centrifuge #1 - Wet Scrubber 1 on-line Scruuber 2 for backup	Normal - Steady State	E79	CD11 (P)	PT62	5-01-007-92 3-12-999-99	0.0	8,760.0	A	3,300.0	6,050.0	50.0	70.0
OS2	Cnt1 WS2	Thickening Centrifuge #1 - Wet Scrubber 2 on-line Scrubber 1 for backup	Normal - Steady State	E79	CD12 (P)	PT63	3-12-999-99 5-01-007-92	0.0	8,760.0	A	3,300.0	6,050.0	50.0	70.0
OS3	Cnt2 WS1	Thickening Centrifuge #2 - Wet Scrubber 1 on-line. Scrubber 2 for backup.	Normal - Steady State	E80	CD11 (P)	PT62	3-12-999-99 5-01-007-92	0.0	8,760.0	A	3,300.0	6,050.0	50.0	70.0
OS4	Cnt2 WS2	Thickening Centrifuge #2 - Wet Scrubber 2 on-line. Scrubber 1 for backup.	Normal - Steady State	E80	CD12 (P)	PT63	3-12-999-99 5-01-007-92	0.0	8,760.0	A	3,300.0	6,050.0	50.0	70.0
OS5	Cnt3 WS1	Thickening Centrifuge #3 - Wet Scrubber 1 on-line. Scrubber 2 for backup.	Normal - Steady State	E81	CD11 (P)	PT62	3-12-999-99 5-01-007-92	0.0	8,760.0	A	3,300.0	6,050.0	50.0	70.0
OS6	Cnt3 WS2	Thickening Centrifuge #3 - Wet Scrubber 2 on-line. Scrubber 1 for backup.	Normal - Steady State	E81	CD12 (P)	PT63	3-12-999-99 5-01-007-92	0.0	8,760.0	A	3,300.0	6,050.0	50.0	70.0

PASSAIC VALLEY SEWERAGE COMMISSION (07349)
BOP230003

Date: 11/28/2023

New Jersey Department of Environmental Protection
Emission Unit/Batch Process Inventory

U 54 Centruge 1-5 Sludge Thickening Centrifuges #1 through #5, Thickener Sludge Wetwells #1 thru #6 , new sludge storage tank (CD11, CD12, CD13, CD14, and CD15)

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS7	Cnt4 WS1	Thickening Centrifuge #4 - Wet Scrubber 1 on-line. Scrubber 2 for backup.	Normal - Steady State	E82	CD11 (P)	PT62	3-12-999-99 5-01-007-92	0.0	8,760.0	A	3,300.0	6,050.0	50.0	70.0
OS8	Cnt4 WS2	Thickening Centrifuge #4 - Wet Scrubber 2 on-line. Scrubber 1 for backup.	Normal - Steady State	E82	CD12 (P)	PT63	3-12-999-99 5-01-007-92	0.0	8,760.0	A	3,300.0	6,050.0	50.0	70.0
OS9	Cnt5 WS1	Thickening Centrifuge #5 - Wet Scrubber 1 on-line. Scrubber 2 for backup.	Normal - Steady State	E83	CD11 (P)	PT62	3-12-999-99 5-01-007-92	0.0	8,760.0	A	3,300.0	6,050.0	50.0	70.0
OS10	Cnt5 WS2	Thickening Centrifuge #5 - Wet Scrubber 2 on-line. Scrubber 1 for backup.	Normal - Steady State	E83	CD12 (P)	PT63	3-12-999-99 5-01-007-92	0.0	8,760.0	A	3,300.0	6,050.0	50.0	70.0
OS11	Cnt1 OCS1	Thickening Centrifuge #1 - New Biofilter and Odor Control Scrubber 1 on-line. Odor Scrubber#2 for backup.	Normal - Steady State	E79	CD13 (P)	PT64	5-01-007-92	0.0	8,760.0		11,500.0	16,200.0	20.0	106.0
OS12	Cnt1 OCS2	Thickening Centrifuge #1 - New Biofilter and Odor Control Scrubber #2 on-line. Odor Scrubber#1 for backup.	Normal - Steady State	E79	CD14 (P)	PT65	5-01-007-92	0.0	8,760.0		11,500.0	16,200.0	20.0	106.0
OS13	Cnt2 OCS1	Thickening Centrifuge #2 - New Biofilter and Odor Control Scrubber #1 on-line. Odor Scrubber #2 for backup.	Normal - Steady State	E80	CD13 (P)	PT64	5-01-007-92	0.0	8,760.0		11,500.0	16,200.0	20.0	106.0
OS14	Cnt2 OCS2	Thickening Centrifuge #2 - New Biofilter and Odor Scrubber Scrubber #2 on-line. Odor Scrubber #1 for backup.	Normal - Steady State	E80	CD14 (P)	PT65	5-01-007-92	0.0	8,760.0		11,500.0	16,200.0	20.0	106.0

PASSAIC VALLEY SEWERAGE COMMISSION (07349)
BOP230003

Date: 11/28/2023

New Jersey Department of Environmental Protection
Emission Unit/Batch Process Inventory

U 54 Centruge 1-5 Sludge Thickening Centrifuges #1 through #5, Thickener Sludge Wetwells #1 thru #6 , new sludge storage tank (CD11, CD12, CD13, CD14, and CD15)

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS15	Cnt3 OCS1	Thickening Centrifuge #3 - New Biofilter and Odor Control Scrubber #1 on-line. Odor Scrubber #2 for backup.	Normal - Steady State	E81	CD13 (P)	PT64	5-01-007-92	0.0	8,760.0		11,500.0	16,200.0	20.0	106.0
OS16	Cnt3 OCS2	Thickening Centrifuge #3 - New Biofilter and Odor Control Scrubber #2 On-Line; Odor Scrubber #1 for Backup	Normal - Steady State	E81	CD14 (P)	PT65	5-01-007-92	0.0	8,760.0		11,500.0	16,200.0	20.0	106.0
OS17	Cnt4 OCS1	Thickening Centrifuge #4 - New Biofilter and Odor Control Scrubber #1 On-Line; Odor Scrubber #2 for Backup	Normal - Steady State	E82	CD13 (P)	PT64	5-01-007-92	0.0	8,760.0		11,500.0	16,200.0	20.0	106.0
OS18	Cnt4 OCS2	Thickening Centrifuge #4 - New Biofilter and Odor Control Scrubber #2 On-Line; Odor Scrubber #1 for Backup	Normal - Steady State	E82	CD14 (P)	PT65	5-01-007-92	0.0	8,760.0		11,500.0	16,200.0	20.0	106.0
OS19	Cnt5 OCS1	Thickening Centrifuge #5 - New Biofilter and Odor Control Scrubber #2 On-Line; Odor Scrubber #2 for Backup	Normal - Steady State	E83	CD13 (P)	PT64	5-01-007-92	0.0	8,760.0		11,500.0	16,200.0	20.0	106.0
OS20	Cnt5 OCS2	Thickening Centrifuge #5 - New Biofilter and Odor Control Scrubber #2 On-Line; Odor Scrubber #1 for Backup	Normal - Steady State	E83	CD14 (P)	PT65	5-01-007-92	0.0	8,760.0		11,500.0	16,200.0	20.0	106.0
OS21	TSW1 WS1	Thickener Sludge Wetwell #1 - Wet Scrubber #1 On-Line & Scrubber #2 for Back-Up	Normal - Steady State	E84	CD11 (P)	PT62	5-01-007-69 5-01-007-92	0.0	8,760.0		3,300.0	6,050.0	50.0	70.0

PASSAIC VALLEY SEWERAGE COMMISSION (07349)
BOP230003

Date: 11/28/2023

New Jersey Department of Environmental Protection
Emission Unit/Batch Process Inventory

U 54 Centruge 1-5 Sludge Thickening Centrifuges #1 through #5, Thickener Sludge Wetwells #1 thru #6 , new sludge storage tank (CD11, CD12, CD13, CD14, and CD15)

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS22	TSW1 WS2	Thickener Sludge Wetwell #1 - Wet Scrubber #2 On-Line & Scrubber #1 for Back-Up	Normal - Steady State	E84	CD12 (P)	PT63	5-01-007-69 5-01-007-92	0.0	8,760.0		3,300.0	6,050.0	50.0	70.0
OS23	TSW2 WS1	Thickener Sludge Wetwell #2 - Wet Scrubber #1 On-Line & Scrubber #2 for Back-Up	Normal - Steady State	E85	CD11 (P)	PT62	5-01-007-69 5-01-007-92	0.0	8,760.0		3,300.0	6,050.0	50.0	70.0
OS24	TSW2 WS2	Thickener Sludge Wetwell #2 - Wet Scrubber #2 On-Line & Scrubber #1 for Back-Up	Normal - Steady State	E85	CD12 (P)	PT63	5-01-007-69 5-01-007-92	0.0	8,760.0		3,300.0	6,050.0	50.0	70.0
OS25	TSW3 WS1	Thickener Sludge Wetwell #2 - Wet Scrubber #2 On-Line & Scrubber #1 for Back-Up	Normal - Steady State	E86	CD11 (P)	PT62	5-01-007-69 5-01-007-92	0.0	8,760.0		3,300.0	6,050.0	50.0	70.0
OS26	TSW3 WS2	Thickener Sludge Wetwell #3 - Wet Scrubber #2 On-Line & Scrubber #1 for Back-Up	Normal - Steady State	E86	CD12 (P)	PT63	5-01-007-69 5-01-007-92	0.0	8,760.0		3,300.0	6,050.0	50.0	70.0
OS27	TSW4 WS1	Thickener Sludge Wetwell #4 - Wet Scrubber #1 On-Line & Scrubber #2 for Back-Up	Normal - Steady State	E87	CD11 (P)	PT62	5-01-007-69 5-01-007-92	0.0	8,760.0		3,300.0	6,050.0	50.0	70.0
OS28	TSW4 WS2	Thickener Sludge Wetwell #4 - Wet Scrubber #2 On-Line & Scrubber #1 for Back-Up	Normal - Steady State	E87	CD12 (P)	PT63	5-01-007-69 5-01-007-92	0.0	8,760.0		3,300.0	6,050.0	50.0	70.0
OS29	TSW5 WS1	Thickener Sludge Wetwell #5 - Wet Scrubber #1 On-Line & Scrubber #2 for Back-Up	Normal - Steady State	E88	CD11 (P)	PT62	5-01-007-69 5-01-007-92	0.0	8,760.0		3,300.0	6,050.0	50.0	70.0

PASSAIC VALLEY SEWERAGE COMMISSION (07349)
BOP230003

Date: 11/28/2023

New Jersey Department of Environmental Protection
Emission Unit/Batch Process Inventory

U 54 Centruge 1-5 Sludge Thickening Centrifuges #1 through #5, Thickener Sludge Wetwells #1 thru #6 , new sludge storage tank (CD11, CD12, CD13, CD14, and CD15)

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS30	TSW5 WS2	Thickener Sludge Wetwell #5 - Wet Scrubber #2 On-Line & Scrubber #1 for Back-Up	Normal - Steady State	E88	CD12 (P)	PT63	5-01-007-69 5-01-007-92	0.0	8,760.0		3,300.0	6,050.0	50.0	70.0
OS31	TSW6 WS1	Thickener Sludge Wetwell #6 - Wet Scrubber #1 On-Line & Scrubber #2 for Back-Up	Normal - Steady State	E89	CD11 (P)	PT62	5-01-007-69 5-01-007-92	0.0	8,760.0		3,300.0	6,050.0	50.0	70.0
OS32	TSW6 WS2	Thickener Sludge Wetwell #6 - Wet Scrubber #2 On-Line & Scrubber #1 for Back-Up	Normal - Steady State	E89	CD12 (P)	PT63	5-01-007-69 5-01-007-92	0.0	8,760.0		3,300.0	6,050.0	50.0	70.0
OS33	TSW1 OCS1	Thickener Sludge Wetwell #1 - New Biofilter and Odor Control Scrubber CD13	Normal - Steady State	E84	CD13 (P)	PT64	5-01-007-69 5-01-007-92	0.0	8,760.0		11,500.0	16,200.0	20.0	106.0
OS34	TSW1 OCS2	Thickener Sludge Wetwell #1 - Odor Control Scrubber CD14 on-line	Normal - Steady State	E84	CD14 (P)	PT65	5-01-007-69 5-01-007-92	0.0	8,760.0		11,500.0	16,200.0	20.0	106.0
OS35	TSW2 OCS1	Thickener Sludge Wetwell #2 - New Biofilter and Odor Control Scrubber CD13	Normal - Steady State	E85	CD13 (P)	PT64	5-01-007-69 5-01-007-92	0.0	8,760.0		11,500.0	16,200.0	20.0	106.0
OS36	TSW2 OCS2	Thickener Sludge Wetwell #2 - New Biofilter and Odor Control Scrubber CD14	Normal - Steady State	E85	CD14 (P)	PT65	5-01-007-69 5-01-007-92	0.0	8,760.0		11,500.0	16,200.0	20.0	106.0
OS37	TSW3 OCS1	Thickener Sludge Wetwell #3 - New Biofilter and Odor Control Scrubber CD13	Normal - Steady State	E86	CD13 (P)	PT64	5-01-007-69 5-01-007-92	0.0	8,760.0		11,500.0	16,200.0	20.0	106.0

PASSAIC VALLEY SEWERAGE COMMISSION (07349)
BOP230003

Date: 11/28/2023

New Jersey Department of Environmental Protection
Emission Unit/Batch Process Inventory

U 54 Centruge 1-5 Sludge Thickening Centrifuges #1 through #5, Thickener Sludge Wetwells #1 thru #6 , new sludge storage tank (CD11, CD12, CD13, CD14, and CD15)

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS38	TSW3 OCS2	Thickener Sludge Wetwell #3 - New Biofilter and Odor Control Scrubber CD14	Normal - Steady State	E86	CD14 (P)	PT65	5-01-007-69 5-01-007-92	0.0	8,760.0		11,500.0	16,200.0	20.0	106.0
OS39	TSW4 OCS1	Thickener Sludge Wetwell #4 - New Biofilter and Odor Control Scrubber CD13	Normal - Steady State	E87	CD13 (P)	PT64	5-01-007-69 5-01-007-92	0.0	8,760.0		11,500.0	16,200.0	20.0	106.0
OS40	TSW4 OCS2	Thickener Sludge Wetwell #4 - New Biofilter and Odor Control Scrubber CD14	Normal - Steady State	E87	CD14 (P)	PT65	5-01-007-69 5-01-007-92	0.0	8,760.0		11,500.0	16,200.0	20.0	106.0
OS41	TSW5 OCS1	Thickener Sludge Wetwell #5 - New Biofilter and Odor Control Scrubber CD13	Normal - Steady State	E88	CD13 (P)	PT64	5-01-007-69 5-01-007-92	0.0	8,760.0		11,500.0	16,200.0	20.0	106.0
OS42	TSW5 OCS2	Thickener Sludge Wetwell #5 - New Biofilter and Odor Control Scrubber CD14	Normal - Steady State	E88	CD14 (P)	PT65	5-01-007-69 5-01-007-92	0.0	8,760.0		11,500.0	16,200.0	20.0	106.0
OS43	TSW6 OCS1	Thickener Sludge Wetwell #6 - New Biofilter and Odor Control Scrubber CD13	Normal - Steady State	E89	CD13 (P)	PT64	5-01-007-69 5-01-007-92	0.0	8,760.0		11,500.0	16,200.0	20.0	106.0
OS44	TSW6 OCS2	Thickener Sludge Wetwell #6 - New Biofilter and Odor Control Scrubber CD14	Normal - Steady State	E89	CD14 (P)	PT65	5-01-007-69 5-01-007-92	0.0	8,760.0		11,500.0	16,200.0	20.0	106.0
OS45	S.Tk1 OCS1	Sludge Storage Tank - Odor Control Scrubber #1 On-Line; Odor Scrubber #2 for Backup	Normal - Steady State	E64	CD13 (P)	PT64	5-01-007-69 5-01-007-92	0.0	8,760.0		11,500.0	16,200.0	20.0	106.0

PASSAIC VALLEY SEWERAGE COMMISSION (07349)
BOP230003

Date: 11/28/2023

New Jersey Department of Environmental Protection
Emission Unit/Batch Process Inventory

U 54 Centruge 1-5 Sludge Thickening Centrifuges #1 through #5, Thickener Sludge Wetwells #1 thru #6 , new sludge storage tank (CD11, CD12, CD13, CD14, and CD15)

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS46	Sludg StorT2	Sludge Storage Tank - Odor Control Scrubber #2 On-Line; Odor Scrubber #1 for Backup	Normal - Steady State	E64	CD14 (P)	PT64	5-01-007-01	0.0	8,760.0		11,500.0	16,200.0	20.0	106.0

U 101 SST Stack Sludge Pumping Station and Sludge Storage Tanks #1, #2, #5, #6

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	SST 1	Municipal Digested Sludge	Normal - Steady State	E201		PT201	5-01-007-99	4,380.0	8,760.0		0.0	985.4	50.0	90.0
OS2	SST1	Landfill Leachate	Normal - Steady State	E201		PT201		4,380.0	8,760.0		0.0	985.4	50.0	90.0
OS3	SST2	Municipal Digested Sludge	Normal - Steady State	E202		PT202		4,380.0	8,760.0		0.0	985.4	50.0	90.0
OS4	SST2	Landfill Leachate	Normal - Steady State	E202		PT202		4,380.0	8,760.0		0.0	985.4	50.0	90.0
OS5	SST5	Municipal Digested Sludge	Normal - Steady State	E205		PT205		4,380.0	8,760.0		0.0	985.4	50.0	90.0
OS6	SST5	Landfill Leachate	Normal - Steady State	E205		PT205		4,380.0	8,760.0		0.0	985.4	50.0	90.0
OS7	SST6	Municipal Digested Sludge	Normal - Steady State	E206		PT206		4,380.0	8,760.0		0.0	985.4	50.0	90.0

PASSAIC VALLEY SEWERAGE COMMISSION (07349)
BOP230003

Date: 11/28/2023

New Jersey Department of Environmental Protection
Emission Unit/Batch Process Inventory

U 101 SST Stack Sludge Pumping Station and Sludge Storage Tanks #1, #2, #5, #6

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS8	SST6	Landfill Leachate	Normal - Steady State	E206		PT206		4,380.0	8,760.0		0.0	985.4	50.0	90.0

U 102 EGs Emergency Diesel Generators

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	CAT600	EG CAT600	Normal - Steady State	E108		PT108		0.0	100.0					
OS2	CATXQ350	EG CATXQ350	Normal - Steady State	E109		PT109		0.0	100.0					
OS3	CATXQ200	EG CATXQ200	Normal - Steady State	E110		PT110		0.0	100.0					
OS4	MMG130	EG MMG130	Normal - Steady State	E111		PT111		0.0	100.0					

Date: 11/28/2023

New Jersey Department of Environmental Protection
Subject Item Group Inventory

Group NJID: GR1 NSPS A & Dc

Members:

Type	ID	OS	Step
U	U 11	OS0 Summary	
U	U 20	OS0 Summary	

Formal Reason(s) for Group/Cap:

☑ Other

Other (explain): common NSPS requirements

Condition/Requirements that will be complied with or are no longer applicable as a result of this Group:

Operating Circumstances: