State of New Jersey
Department of Environmental Protection
Air Quality, Energy and Sustainability
Division of Air Quality
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

SHEILA Y. OLIVER
Lt. Governor

SHAWN M. LATOURETTE
COMMISSIONER

Air Pollution Control Operating Permit
Renewal

Permit Activity Number: BOP180001 **Program Interest Number: 78910**

Mailing Address	Plant Location
KEITH B. MARCOON EXECUTIVE DIRECTOR OCEAN CNTY UTILITIES AUTH PO BOX P - 501 HICKORY LN Bayville, NJ 08721	OCEAN COUNTY UTILITIES AUTH NORTH 255 Mantoloking Rd Bricktown Ocean County

Initial Operating Permit Approval Date: **January 11, 2005**

Operating Permit Approval Date: **PROPOSED**

Operating Permit Expiration Date: **T B D**

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: http://www.nj.gov/dep/aqpp. 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 http://www.nj.gov/dep/aqpp.

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://www.state.nj.us/dep/aqpp/applying.html.

If you have any questions regarding this permit approval, please call Nipul Patel at (609) 777-2858.

Approved by:

_____
Shafi Ahmed

Enclosure

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

Facility Name: OCEAN COUNTY UTILITIES AUTH NORTH
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Section A

Facility Name: OCEAN COUNTY UTILITIES AUTH NORTH
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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)	$PM_{2.5}$[2] (total)	Pb	HAPs* (total)	CO_2e[3]
Emission Units Summary	13.41	36.57	58.78	29.42	21.38	21.38	21.38	NA	2.8	
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	13.41	36.57	58.78	29.42	21.38	21.38	21.38	NA	2.8	37,256

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	2.28	2.76	1.88	1.3	0.18	0.18	0.18	NA	1.35
Non-Source Fugitive Emissions[4]	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] $PM_{2.5}$ has been included in air permitting rules as of December 9, 2017. Consequently, $PM_{2.5}$ totals in this section may not be up to date. The Department is in the process of updating these limits during each permit modification, and the entire permit will be updated at the time of permit renewal.
[3] Total CO_2e emissions for the facility.
[4] Non-Source Fugitive Emissions are included if the facility falls into one or more categories listed at N.J.A.C. 7:27-22.2(a)2.

Section A

Facility Name: OCEAN COUNTY UTILITIES AUTH NORTH
Program Interest Number: 78910
Permit Activity Number: BOP180001

POLLUTANT EMISSIONS SUMMARY

Table 3: Summary of Hazardous Air Pollutants (HAP) Emissions from Significant Source Operations [5]:

HAP	TPY
Acrolein	0.212
Formaldehyde	2.180

Table 4: "Other" air contaminants emissions summary:

Other Air Contaminant	TPY
Methane	185.5
Ammonia	4.75

[5] 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: OCEAN COUNTY UTILITIES AUTH NORTH
Program Interest Number: 78910
Permit Activity Number: BOP180001

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 http://www.nj.gov/dep/aqpp/applying.html (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: http://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]

25. Testing every 5 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.

Section C

Facility Name: OCEAN COUNTY UTILITIES AUTH NORTH
Program Interest Number: 78910
Permit Activity Number: BOP180001

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	---
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Section D

Facility Name: OCEAN COUNTY UTILITIES AUTH NORTH
Program Interest Number: 78910
Permit Activity Number: BOP180001

FACILITY SPECIFIC REQUIREMENTS AND INVENTORIES

FACILITY SPECIFIC REQUIREMENTS PAGE INDEX

OCEAN COUNTY UTILITIES AUTH NORTH (78910)
BOP180001

Date: 7/18/2022

New Jersey Department of Environmental Protection
Reason for Application

Permit Being Modified

Permit Class: BOP **Number:** 200001

Description of Modifications: 5 Year Title V Renewal Application. Please see attached cover letter for additional details.

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	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 6 USLD Tanks and 4 polymer tanks and 4 sodium hypochlorite tanks**

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. This Vapor Pressure requirement applies to the ULSD tanks only, as all other IS1 tanks are below applicable size thresholds for permitting as significant sources. [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. [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.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Subject Item: **IS2 HVAC heaters (2,3,4,5,6,8,9,10,11,13, 14)<1MM Btu/hr firing Natural gas and one hot water gas fired heater**

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	The fuel for this heater is limited to natural gas. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Subject Item: **IS3 2 Gas fired furnaces <1 MM BTU/hr at O & M Building**

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.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Subject Item: **IS4 U-Channel, Bar Screen Channels, Aerated Grit Chambers, Aeration Basins, Prim. & Sec. Settling Tanks, Conc. Tanks (6 C Scrubbers Total)**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	The concentration in the water of any TXS < 100 parts per billion by weight. [N.J.A.C. 7:27-22.16(a)]	Monitored by wastewater sampling annually (facility influent). [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.
2	The total concentration in the water of VOC < 3,500 parts per billion by weight. [N.J.A.C. 7:27-22.16(a)]	Monitored by wastewater sampling annually (facility influent). [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

Subject Item: **IS5 Heaters - 1 WAS <1MM Btu/hr firing only natural gas**

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	The fuel for this heater is limited to natural gas. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Subject Item: **IS6 Sludge Storage tank (vapor pressure <.02 psia, >10,000 gal)**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	The operating temperature shall not be greater than 350 degrees F. [N.J.A.C. 7:27-22.1]	None.	None.	None.
2	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.
3	The tank shall have no visible emissions, exclusive of water vapor, to the outdoor atmosphere. [N.J.A.C. 7:27-22.1]	None.	None.	None.
4	The tank shall not emit any air contaminants which may cause an odor detectable outside the property boundaries of the facility. [N.J.A.C. 7:27-22.1]	None.	None.	None.
5	The tank shall not qualify for any NESHAPS, MACT, or NSPS air pollution control standards, excluding the NSPS requirements to maintain a record of the contents of the tank, the period of storage of these contents, and the maximum true vapor pressure of the liquid stored. [N.J.A.C. 7:27-22.1]	None.	None.	None.
6	The tank's potential to emit each TXS and each HAP shall not exceed the reporting thresholds. [N.J.A.C. 7:27-22.1]	None.	None.	None.
7	The percentage by weight of all HAPs collectively in the raw material stored in the tank shall be less than 1.0 percent. [N.J.A.C. 7:27-22.1]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
8	The owner or operator shall have readily available upon Department request a statement certified in accordance with N.J.A.C. 7:27-1.39, signed by the responsible official, as defined at N.J.A.C. 7:27-1.4, that: (1) specifies the contents of the tank; (2) affirms that the tank meets the applicable requirements of Ref. #2 to #8 above; and (3) attests that the tank is in compliance with all other applicable State or federal air pollution requirements. [N.J.A.C. 7:27-22.1]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Five Digesters Venting to Three RICE Engines, each 3.13 MMBtu/hr, Two Open Flares and Four Heaters**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Federal Rules Summary: * Subject to MACT Subpart A - General Provisions * Subject to MACT Subpart ZZZZ (National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines) (applicable to Engines E111 through E113). [40 CFR Federal Rules Summary]	None.	None.	None.
2	Opacity <= 20 %. No person shall cause, suffer, allow or permit smoke the shade or appearance of which is darker than number 1 on the Ringelmann smoke chart or greater than 20 percent opacity, exclusive of visible condensed water vapor, to be emitted into the outdoor air from the combustion of fuel in any stationary internal combustion engine for a period of more than 10 consecutive seconds.(Applies to emission points PT101, PT102, and PT103). [N.J.A.C. 7:27- 3.5]	None.	None.	None.
3	Design Capacity: OCUA’s Northern Water Pollution Control Facility (NWPCF) is a 32.0 Million Gallon per Day (MGD) waste water treatment plant. [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
4	No visible emissions except for a period of not longer than three minutes in any consecutive 30-minute period. This applies to PT104-PT107. N.J.A.C. 7:27-3.2 and [N.J.A.C. 7:27-22.16(e)]	Other: Visual Determination. Daily. The permittee shall conduct visual opacity inspections during daylight hours. Visual inspections shall consist of a visual survey to identify if the stack has visible emissions, (other than condensed water vapor), greater than the prescribed standard. If visible emissions are observed, the permittee shall do the following: (1) Verify that the equipment and /or control device causing the emission is operating according to manufacturers specifications and the operating permit compliance plan. If the equipment or control device is not operating properly, the permittee shall take corrective action immediately to eliminate the excess emissions. The permittee must report any permit violation to NJDEP pursuant to N.J.A.C. 7:27- 22.19. (2) If the corrective action taken in step one does not correct the opacity problem within 24 hours, the permittee shall perform a check via a certified opacity reader, in accordance with N.J.A.C. 7:27B-2. Such a test shall be conducted at least once per day until corrective action is taken to successfully correct the opacity problem. The permittee must report any continuing permit violation to NJDEP pursuant to N.J.A.C. 7:27-22.19.[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. [N.J.A.C. 7:27-22.16(o)]	None.
5	This equipment is subject to the sulfur compound emission standards of N.J.A.C. 7:27-7, which does not apply to "the discharge of sulfur compounds in the form of gases, vapors or liquid particles resulting from the combustion of commercial fuel". [N.J.A.C. 7:27- 7]	Other: Perform calculations once per permit term to demonstrate compliance with N.J.A.C. 7:27-7.[N.J.A.C. 7:27- 7].	Recordkeeping by manual logging of parameter or storing data in a computer data system prior to permit renewal maintain calculations on site in a pemanently bound logbook or computer memory. [N.J.A.C. 7:27- 7]	None.

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 a flare subject to this section shall inspect the flare before May 1 of each year beginning in 1995 to verify that the flare continues to be operated in accordance with the manufacturer's specifications for the operation of the flare. [N.J.A.C. 7:27-16.13(c)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event The owner or operator of the flare shall record the following in a permanently bound log book at the conclusion of each inspection: 1. The name of the person conducting the inspection; 2. The date on which the inspection was conducted; 3. An entry indicating which flare was inspected; 4. Any changes or adjustments made to the flare as a result of the inspection; and 5. A statement stating that the flare is currently being operated in compliance with the manufacturer's specifications. [N.J.A.C. 7:27-16.3(c)]	None.
7	CO <= 54.88 tons/yr. Self-imposed maximum annual emission rate for all combustion equipment in Emission Unit U1 (3 engines, 2 flares and 4 heaters), based on operating permit application BOP170001. [N.J.A.C. 7:27-22.16(a)]	CO: Monitored by calculations annually. The permittee shall develop and maintain a lb/mmcf emission factor for each combustion device (and fuel type) in this emission unit (including 2 flares, 3 engines, and 4 heaters). Annual emissions (in lb/yr) for each source shall be calculated annually based on the developed emission factor and the fuel flow to the device (in mmcf/yr). Annual Emissions for the emission unit will be the sum of emissions from each source (in pounds) divided by 2000 lb/ton. The permittee may redevelop CO and NOx emission factors based on periodic monitoring results. [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. The permittee shall maintain monthly fuel flow records of natural gas and digester gas to each flare, engine and heater, used in calculations. [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
8	NOx (Total) <= 21.11 tons/yr. Self-imposed maximum annual emission rate for all combustion equipment in Emission Unit U1 (3 engines, 2 flares and 4 heaters), based on operating permit application BOP170001. [N.J.A.C. 7:27-22.16(a)]	NOx (Total): Monitored by calculations annually. The permittee shall develop and maintain a lb/mmcf emission factor for each combustion device (and fuel type) in this emission unit (including 2 flares, 3 engines, and 4 heaters). Annual emissions (in lb/yr) for each source shall be calculated annually based on the developed emission factor and the fuel flow to the device (in mmcf/yr). Annual Emissions for the emission unit will be the sum of emissions from each source (in pounds) divided by 2000 lb/ton. The permittee may redevelop CO and NOx emission factors based on periodic monitoring results. [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. The permittee shall maintain monthly fuel flow records of natural gas and digester gas to each flare, engine and heater, used in calculations. [N.J.A.C. 7:27-22.16(o)]	None.
9	VOC (Total) <= 13.66 tons/yr which includes Formaldehyde emission. Self-imposed maximum annual emission rate for all combustion equipment in Emission Unit U1 (3 engines, 2 flares and 4 heaters), based on operating permit application BOP170001. [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by calculations annually. The permittee shall develop and maintain a lb/mmcf emission factor for each combustion device (and fuel type) in this emission unit (including 2 flares, 3 engines, and 4 heaters). Annual emissions (in lb/yr) for each source shall be calculated annually based on the developed emission factor and the fuel flow to the device (in mmcf/yr). Annual Emissions for the emission unit will be the sum of emissions from each source (in pounds) divided by 2000 lb/ton. [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. The permittee shall maintain monthly fuel flow records of natural gas and digester gas to each flare, engine and heater, used in calculations. [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	SO2 <= 28.46 tons/yr. Self-imposed maximum annual emission rate for all combustion equipment in Emission Unit U1 (3 engines, 2 flares and 4 heaters), based on operating permit application BOP170001. [N.J.A.C. 7:27-22.16(a)]	SO2: Monitored by calculations annually. The permittee shall develop and maintain a lb/mmcf emission factor for each combustion device (and fuel type) in this emission unit (including 2 flares, 3 engines, and 4 heaters). Annual emissions (in lb/yr) for each source shall be calculated annually based on the developed emission factor and the fuel flow to the device (in mmcf/yr). Annual Emissions for the emission unit will be the sum of emissions from each source (in pounds) divided by 2000 lb/ton. [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. The permittee shall maintain monthly fuel flow records of natural gas and digester gas to each flare, engine and heater, used in calculations. [N.J.A.C. 7:27-22.16(o)]	None.
11	TSP <= 20.36 tons/yr. Self-imposed maximum annual emission rate for all combustion equipment in Emission Unit U1 (3 engines, 2 flares and 4 heaters), based on operating permit application BOP170001. [N.J.A.C. 7:27-22.16(a)]	TSP: Monitored by calculations annually. The permittee shall develop and maintain a lb/mmcf emission factor for each combustion device (and fuel type) in this emission unit (including 2 flares, 3 engines, and 4 heaters). Annual emissions (in lb/yr) for each source shall be calculated annually based on the developed emission factor and the fuel flow to the device (in mmcf/yr). Annual Emissions for the emission unit will be the sum of emissions from each source (in pounds) divided by 2000 lb/ton. [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. The permittee shall maintain monthly fuel flow records of natural gas and digester gas to each flare, engine and heater, used in calculations. [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
12	PM-10 (Total) <= 20.36 tons/yr. Self-imposed maximum annual emission rate for all combustion equipment in Emission Unit U1 (3 engines, 2 flares and 4 heaters), based on operating permit application BOP170001. [N.J.A.C. 7:27-22.16(a)]	PM-10 (Total): Monitored by calculations annually. The permittee shall develop and maintain a lb/mmcf emission factor for each combustion device (and fuel type) in this emission unit (including 2 flares, 3 engines, and 4 heaters). Annual emissions (in lb/yr) for each source shall be calculated annually based on the developed emission factor and the fuel flow to the device (in mmcf/yr). Annual Emissions for the emission unit will be the sum of emissions from each source (in pounds) divided by 2000 lb/ton. [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. The permittee shall maintain monthly fuel flow records of natural gas and digester gas to each flare, engine and heater, used in calculations. [N.J.A.C. 7:27-22.16(o)]	None.
13	PM-2.5 (Total) <= 20.36 tons/yr. Self-imposed maximum annual emission rate for all combustion equipment in Emission Unit U1 (3 engines, 2 flares and 4 heaters), based on operating permit application BOP170001. [N.J.A.C. 7:27-22.16(a)]	PM-2.5 (Total): Monitored by calculations annually. The permittee shall develop and maintain a lb/mmcf emission factor for each combustion device (and fuel type) in this emission unit (including 2 flares, 3 engines, and 4 heaters). Annual emissions (in lb/yr) for each source shall be calculated annually based on the developed emission factor and the fuel flow to the device (in mmcf/yr). Annual Emissions for the emission unit will be the sum of emissions from each source (in pounds) divided by 2000 lb/ton. [N.J.A.C. 7:27-22.16(o)]	PM-2.5 (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system annually. The permittee shall maintain monthly fuel flow records of natural gas and digester gas to each flare, engine and heater, used in calculations. [N.J.A.C. 7:27-22.16(o)]	None.
14	Acrolein <= 0.212 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
15	Formaldehyde <= 2.18 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
16	Ammonia <= 0.25 tons/yr. [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
17	Methane <= 136.5 tons/yr. Self-imposed maximum annual emission rate for all combustion equipment in Emission Unit U1 (3 engines, 2 flares and 4 heaters), based on operating permit application BOP170001. [N.J.A.C. 7:27-22.16(a)]	Methane: Monitored by calculations annually. The permittee shall develop and maintain a lb/mmcf emission factor for each combustion device (and fuel type) in this emission unit (including 2 flares, 3 engines, and 4 heaters). Annual emissions (in lb/yr) for each source shall be calculated annually based on the developed emission factor and the fuel flow to the device (in mmcf/yr). Annual Emissions for the emission unit will be the sum of emissions from each source (in pounds) divided by 2000 lb/ton. [N.J.A.C. 7:27-22.16(o)]	Methane: Recordkeeping by manual logging of parameter or storing data in a computer data system annually. The permittee shall maintain monthly fuel flow records of natural gas and digester gas to each flare, engine and heater, used in calculations. [N.J.A.C. 7:27-22.16(o)]	None.
18	Minimum VOC Destruction and Removal Efficiency >= 95 % by weight for Open Flares CD#1 and CD#2, based on operating permit application BOP170001. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
19	For CD#1 and CD#2, the permittee shall operate and maintain an electronic system (or equivalent) on the flare to maintain flare combustion. [N.J.A.C. 7:27-22.16(e)]	Monitored by visual determination once per shift during operation. [N.J.A.C. 7:27-22.16(o)]	None.	None.
20	Odor <= 5 D/T at nearest receptor. [N.J.A.C. 7:27-22.16(e)]	Odor: Monitored by odor threshold monitoring upon request of the Department, based on an instantaneous determination. [N.J.A.C. 7:27-22.16(o)]	Odor: Recordkeeping by odor panel results upon request of the Department. [N.J.A.C. 7:27-22.16(o)]	Submit a report: Upon occurrence of event. [N.J.A.C. 7:27-22.16(o)]
21	Other Gaseous Fuel Usage <= 210.24 MMft^3/yr. The maximum amount of gaseous fuel, consisting of digester gas and natural gas, combusted in the emission unit U1 (3 engines, 2 flares and 4 heaters). [N.J.A.C. 7:27-22.16(a)]	Other Gaseous Fuel Usage: Monitored by fuel flow/firing rate instrument continuously. The digester gas and natural gas flow to each combustion source shall be monitored. [N.J.A.C. 7:27-22.16(o)]	Other Gaseous Fuel Usage: Recordkeeping by data acquisition system (DAS) / electronic data storage continuously. The facility shall keep a record of amount of digester gas and natural gas combusted for each equipment during calendar year. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Five Digesters Venting to Three RICE Engines, each 3.13 MMBtu/hr, Two Open Flares and Four Heaters**

Operating Scenario: **OS1 Primary Digester #1 vented to Waste Gas Burner #1, OS2 Primary Digester #1 vented to Waste Gas Burner #2, OS3 Primary Digester #2 vented to Waste Gas Burner #1, OS4 Primary Digester #2 vented to Waste Gas Burner #2, OS5 Primary Digester #3 vented to Waste Gas Burner #1, OS6 Primary Digester #3 vented to Waste Gas Burner #2, OS7 Primary Digester #4 vented to Waste Gas Burner #1, OS8 Primary Digester #4 vented to Waste Gas Burner #2, OS10 Secondary Digester #2 vented to Waste Gas Burner #1, OS11 Secondary Digester #2 vented to Waste Gas Burner #2**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	CO <= 4.129 lb/hr. Maximum hourly emission rate based on operating permit application BOP170001. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
2	NOx (Total) <= 0.906 lb/hr. Maximum hourly emission rate based on operating permit application BOP170001. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	SO2 <= 0.748 lb/hr. Maximum hourly emission rate based on operating permit application BOP170001. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	TSP <= 0.222 lb/hr. Maximum hourly emission rate based on operating permit application BOP170001. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	PM-10 (Total) <= 0.222 lb/hr. Maximum hourly emission rate based on operating permit application BOP170001. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	PM-2.5 (Total) <= 0.222 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	Methane <= 23.98 lb/hr. Maximum hourly emission rate based on operating permit application BOP170001. [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
8	Other Gaseous Fuel Usage <= 370 Cubic feet per minute of digester gas to each flare, based on operating permit application BOP170001. [N.J.A.C. 7:27-22.16(a)]	Other Gaseous Fuel Usage: Monitored by fuel flow/firing rate instrument continuously. The digester gas flow to each flare shall be monitored. [N.J.A.C. 7:27-22.16(o)]	Other Gaseous Fuel Usage: Recordkeeping by data acquisition system (DAS) / electronic data storage continuously. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Five Digesters Venting to Three RICE Engines, each 3.13 MMBtu/hr, Two Open Flares and Four Heaters**

Operating Scenario: **OS12 Engine #1 firing digester gas blended with natural gas , OS13 Engine #2 firing digester gas blended with natural gas, OS14 Engine #3 firing digester gas blended with natural gas**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.878 lb/hr based on the rated heat input and as calculated from N.J.A.C 7:27-4.2(a). This applies at PT101,102,103. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	CO <= 500 ppmvd @ 15% O2. [N.J.A.C. 7:27-16.10(b)]	CO: Monitored by periodic emission monitoring annually (during each calendar year that the Unit has operated). If the PMP test result exceeds the permit limit the permittee shall do the following: 1) Verify that the equipment and/or control device is operating in accordance with manufacturer's specifications and the operating permit compliance plan. If the equipment or control device is not operating properly, the permittee shall take corrective action immediately to eliminate the excess emissions. The permittee must report any permit violations to NJDEP pursuant to N.J.A.C.7:27-22.19. 2) If the corrective action taken in step (1) does not correct the problem within 24 hours, the applicant shall perform a repeat of the PMP test. Such test shall be conducted each day until the corrective action is taken to successfully correct the problem. [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 and retain the following records: 1) Date and time of PMP; 2)PMP results and calculations; 3)Description of corrective action taken if needed; 4)Date and time emission exceeedence problem was corrected. [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	NOx (Total) <= 1.5 grams/brake horsepower-hour. On and after March 7, 2007, the owner or operator of a stationary reciprocating engine used for generating electricity whether or not it is located at a major NOx facility, shall meet the following requirements, unless the owner or operator is complying with N.J.A.C, 7:27-19.3(f). For an engine that has a maximum rated power output of 148 kW or greater, cause it to emit NOx at a rate no greater than the applicable maximum allowable NOx emission rate specified in Table 10 for lean-burn fueled by gaseous fuel. [N.J.A.C. 7:27-19.8(e)]	NOx (Total): Monitored by periodic emission monitoring annually (during each calendar year that the Unit has operated). If the PMP test result exceeds the permit limit the permittee shall do the following: 1) Verify that the equipment and/or control device is operating in accordance with manufacturer's specifications and the operating permit compliance plan. If the equipment or control device is not operating properly, the permittee shall take corrective action immediately to eliminate the excess emissions. The permittee must report any permit violations to NJDEP pursuant to N.J.A.C.7:27-22.19. 2) If the corrective action taken in step (1) does not correct the problem within 24 hours, the applicant shall perform a repeat of the PMP test. Such test shall be conducted each day until the corrective action is taken to successfully correct the problem. [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 and retain the following records: 1) Date and time of PMP; 2)PMP results and calculations; 3)Description of corrective action taken if needed; 4)Date and time emission exceeedence problem was corrected. [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
4	The owner or operator of any stationary reciprocating engine that has a maximum rated power output of at least 37 kW or greater, used for generating electricity, and whether or not it is located at a major NOx facility, shall adjust the engine's combustion process in accordance with the procedures set forth at N.J.A.C. 7:27-19.16 and the following schedule: For stationary reciprocating engine that has a maximum rated power output of at least 37 kW but less than 370kW, are required beginning in 2007 to adjust the combustion process, according to manufacturer's recommended maintenance schedules. [N.J.A.C. 7:27-19.8(f)1]	Monitored by periodic emission monitoring at the approved frequency. Adjust combustion process in accordance with N.J.A.C. 7:27-19.16(g). The owner or operator of a stationary combustion turbine or reciprocating engine shall ensure that the adjustment of the combustion process is carried out according to the manufacturer's recommended procedures and maintenance schedule. [N.J.A.C. 7:27-19.16(g)]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event The owner or operator of a stationary combustion turbine or reciprocating engine adjusted pursuant to N.J.A.C.7:27-19.16(g) above shall ensure that each adjustment is recorded in a log book or computer data system and retained for a minimum of five years, to be made readily accessible to the Department upon request. Such record shall contain 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 performed the procedure and adjustment; 3. The type of procedure and maintenance performed; 4. The concentrations of NOx, CO and O2, measured before and after the adjustment wa made; and 5. The type and amount of fuel use over the 12 months prior to the adjustment. [N.J.A.C. 7:27-19.16(h)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
5	CO <= 3.26 lb/hr. [N.J.A.C. 7:27-22.16(e)]	CO: Monitored by periodic emission monitoring annually (during each calendar year that the Unit has operated). If the PMP test result exceeds the permit limit the permittee shall do the following: 1) Verify that the equipment and/or control device is operating in accordance with manufacturer's specifications and the operating permit compliance plan. If the equipment or cotrol deviced is not operating properly, the permittee shall take corrective action immediately to eliminate the excess emissions. The permittee must report any permit violations to NJDEP pursuant to N.J.A.C.7:27-22.19. 2) If the corrective action taken in step (1) does not correct the problem within 24 hours, the applicant shall perform a repeat of the PMP test. Such test shall be conducted each day until the corrective action is taken to successfully correct the problem. [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 and retain the following records: 1) Date and time of PMP; 2)PMP results and calculations. PMP results must be recorded in the same units as permit limits. 3)Description of corrective action taken if needed; 4)Date and time emission exceedance problem was corrected. [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	NOx (Total) <= 1.28 lb/hr. Maximum hourly emission from minor modification BOP060001. [N.J.A.C. 7:27-22.16(a)]	NOx (Total): Monitored by periodic emission monitoring annually (during each calendar year that the Unit has operated). If the PMP test result exceeds the permit limit the permittee shall do the following: 1) Verify that the equipment and/or control device is operating in accordance with manufacturer's specifications and the operating permit compliance plan. If the equipment or cotrol deviced is not operating properly, the permittee shall take corrective action immediately to eliminate the excess emissions. The permittee must report any permit violations to NJDEP pursuant to N.J.A.C.7:27-22.19. 2) If the corrective action taken in step (1) does not correct the problem within 24 hours, the applicant shall perform a repeat of the PMP test. Such test shall be conducted each day until the corrective action is taken to successfully correct the problem. [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 and retain the following records: 1) Date and time of PMP; 2)PMP results and calculations. PMP results must be recorded in the same units as permit limits. 3)Description of corrective action taken if needed; 4)Date and time emission exceedance problem was corrected. [N.J.A.C. 7:27-22.16(o)]	None.
7	VOC (Total) <= 1.035 lb/hr which includes Formaldehyde emission. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	SO2 <= 2 lb/hr. Maximum hourly emission from preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
9	TSP <= 1.5 lb/hr. Maximum hourly emission from preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
10	PM-10 (Total) <= 1.5 lb/hr. Maximum hourly emission from preconstruction permit. [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
11	PM-2.5 (Total) <= 1.5 lb/hr. Maximum hourly emission from preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
12	Methane <= 7.58 lb/hr. Maximum emission rate. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
13	Acrolein <= 0.016 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
14	Formaldehyde <= 0.165 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
15	Maximum Gross Heat Input <= 3.13 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	Other: fuel burner rated capacity.[N.J.A.C. 7:27-22.16(o)].	Other: maintain record of manufacturers specifications on site for the life of the equipment.[N.J.A.C. 7:27-22.16(o)].	None.
16	On or after October 19, 2013, the owner or operator of the non-emergency, non-black start 4 SLB SI RICE <= 500 HP constructed or reconstructed before June 12, 2006 shall change oil and filter every 1,440 hours of operation or annually, whichever comes first, as prescribed in Table 2d, item 7a to Subpart ZZZZ of 40 CFR 63. [40 CFR 63.6603(a)]	Other: The owner or operator shall change oil and filter every 1440 hours of operation or annually, whichever comes first. The owner or operator has an option of utilizing an oil analysis program, at the same frequency specified for changing the oil, in order to extend the specified oil change requirement, per 40 CFR 63.6625(j).[40 CFR 63.6640(a)].	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The owner or operator must keep records of the oil and filter change. Each record must be readily accessible for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.6660(c) and 40 CFR 63.10(b)(1). [40 CFR 63.6655(e)(3)]	None.
17	On or after October 19, 2013, the owner or operator of the non-emergency, non-black start 4 SLB SI RICE <= 500 HP constructed or reconstructed before June 12, 2006 shall inspect spark plugs every 1,440 hours of operation or annually, whichever comes first; and inspect all hoses and belts every 1,440 hours of operation or annually, whichever comes first, and replace as necessary, as prescribed in Table 2d, item 7b and 7c to Subpart ZZZZ of 40 CFR 63. [40 CFR 63.6603(a)]	Other: The owner or operator shall inspect spark plugs every 1,440 hours or annually, whichever comes first and inspect all hoses and belts every 1,440 hours of operation or annually, whichever comes first.[40 CFR 63.6640(a)].	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The owner or operator must keep records of the maintenance procedures and spark plugs, belt and hoses replacements events. Each record must be readily accessible for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.6660(c) and 40 CFR 63.10(b)(1). [40 CFR 63.6655(e)(3)]	None.
18	On or after October 19, 2013, the engine must be in compliance with all applicable emission limitations and operating limitations in Subpart ZZZZ of 40 CFR 63 at all times. [40 CFR 63.6605(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
19	On or after October 19, 2013, the owner or operator must minimize the existing engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes. [40 CFR 63.6625(h)]	Other: The owner or operator must follow the manufacturer's emission-related operation and maintenance written instructions or develop and follow a maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions, in accordance with Table 6 item 9 to Subpart ZZZZ of 40 CFR 63. [40 CFR 63.6640(a)].	Other: The owner or operator must keep records of the maintenance procedures and replacements events. Each record must be readily accessible for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.6660(c) and 40 CFR 63.10(b)(1). [40 CFR 63.6655(e)].	None.
20	On or after October 19, 2013, the owner or operator shall comply with the General Provisions as shown in Table 8 to Subpart ZZZZ of 40 CFR 63 that apply to an existing non-emergency, non-black start SI RICE <= 500 HP constructed or reconstructed before June 12, 2006 and located at an area source of HAP emissions. [40 CFR 63.6665]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Five Digesters Venting to Three RICE Engines, each 3.13 MMBtu/hr, Two Open Flares and Four Heaters**
Operating Scenario: **OS15 Engine #1 firing natural gas, OS16 Engine #2 firing natural gas, OS17 Engine #3 firing natural gas**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.878 lb/hr based on the rated heat input as calculated from N.J.A.C 7:27-4.2(a). This applies at PT101,PT102,and PT103. [N.J.A.C. 7:27-4.2(a)]	None.	None.	None.
2	CO <= 500 ppmvd @ 15% O2. [N.J.A.C. 7:27-16.10(b)]	CO: Monitored by periodic emission monitoring semiannually: once every six months; six month cycle shall begin on January 1 and July 1 of each year. The permmitte may skip the testing in those semiannual periods when 100 % natural gas is not combusted. If the PMP test result exceeds the permit limit the permittee shall do the following: 1) Verify that the equipment and/or control device is operating in accordance with manufacturer's specifications and the operating permit compliance plan. If the equipment or control device is not operating properly, the permittee shall take corrective action immediately to eliminate the excess emissions. The permittee must report any permit violations to NJDEP pursuant to N.J.A.C.7:27-22.19. 2) If the corrective action taken in step (1) does not correct the problem within 24 hours, the applicant shall perform a repeat of the PMP test. Such test shall be conducted each day until the corrective action is taken to successfully correct the problem. [N.J.A.C. 7:27-22.16(o)]	CO: Recordkeeping by manual logging of parameter or storing data in a computer data system semiannually: once every six months; six month cycle shall begin on January 1 and July 1 of each year and retain the following records: 1) Date and time of PMP; 2)PMP results and calculations; 3)Description of corrective action taken if needed; 4)Date and time emission exceedance problem was corrected. [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	NOx (Total) <= 1.5 grams/brake horsepower-hour. On and after March 7, 2007, the owner or operator of a stationary reciprocating engine used for generating electricity whether or not it is located at a major NOx facility, shall meet the following requirements: For an engine that has a maximum rated power output of 148 kW or greater, cause it to emit NOx at a rate no greater than the applicable maximum allowable NOx emission rate specified in Table 10 for lean-burn fueled by gaseous fuel. [N.J.A.C. 7:27-19.8(e)]	NOx (Total): Monitored by periodic emission monitoring semiannually: once every six months; six month cycle shall begin on January 1 and July 1 of each year. The permmitte may skip the testing in those semiannual periods when 100 % natural gas is not combusted. If the PMP test result exceeds the permit limit the permittee shall do the following: 1) Verify that the equipment and/or control device is operating in accordance with manufacturer's specifications and the operating permit compliance plan. If the equipment or control device is not operating properly, the permittee shall take corrective action immediately to eliminate the excess emissions. The permittee must report any permit violations to NJDEP pursuant to N.J.A.C.7:27-22.19. 2) If the corrective action taken in step (1) does not correct the problem within 24 hours, the applicant shall perform a repeat of the PMP test. Such test shall be conducted each day until the corrective action is taken to successfully correct the problem. [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 semiannually: once every six months; six month cycle shall begin on January 1 and July 1 of each year and retain the following records: 1) Date and time of PMP; 2)PMP results and calculations; 3)Description of corrective action taken if needed; 4)Date and time emission exceedance problem was corrected. [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
4	The owner or operator of any stationary reciprocating engine that has a maximum rated power output of at least 37 kW or greater, used for generating electricity, and whether or not it is located at a major NOx facility, shall adjust the engine's combustion process in accordance with the procedures set forth at N.J.A.C. 7:27-19.16 and the following schedule: For stationary reciprocating engine that has a maximum rated power output of at least 37 kW but less than 370kW, are required beginning in 2007 to adjust the combustion process, according to manufacturer's recommended maintenance schedules. [N.J.A.C. 7:27-19.8(f)1]	Monitored by periodic emission monitoring annually Adjust combustion process in accordance with N.J.A.C. 7:27-19.16(g). The owner or operator of a stationary combustion turbine or reciprocating engine shall ensure that the adjustment of the combustion process is carried out according to the manufacturer's recommended procedures and maintenance schedule. [N.J.A.C. 7:27-19.16(g)]	Recordkeeping by manual logging of parameter or storing data in a computer data system annually The owner or operator of a stationary combustion turbine or reciprocating engine adjusted pursuant to N.J.A.C.7:27-19.16(g) above shall ensure that each adjustment is recorded in a log book or computer data system and retained for a minimum of five years, to be made readily accessible to the Department upon request. Such record shall contain 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 performed the procedure and adjustment; 3. The type of procedure and maintenance performed; 4. The concentrations of NOx, CO and O2, measured before and after the adjustment wa made; and 5. The type and amount of fuel use over the 12 months prior to the adjustment. [N.J.A.C. 7:27-19.16(h)]	None.
5	CO <= 3.26 lb/hr. [N.J.A.C. 7:27-22.16(e)]	CO: Monitored by periodic emission monitoring semiannually: once every six months; six month cycle shall begin on January 1 and July 1 of each year. The permittee may use the results of the Ref Line #2. The permittee may skip the testing in those semi-annual periods when 100% natural gas is not combusted. [N.J.A.C. 7:27-22.16(o)]	CO: Recordkeeping by manual logging of parameter or storing data in a computer data system semiannually: once every six months; six month cycle shall begin on January 1 and July 1 of each year. PMP results must be recorded in the same units as permit limits. [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	NOx (Total) <= 1.28 lb/hr. [N.J.A.C. 7:27-22.16(e)]	NOx (Total): Monitored by periodic emission monitoring semiannually: once every six months; six month cycle shall begin on January 1 and July 1 of each year. The permittee may use the results of the Ref Line #3. The permittee may skip the testing in those semi-annual periods when 100% natural gas is not combusted. [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 semiannually: once every six months; six month cycle shall begin on January 1 and July 1 of each year. PMP results must be recorded in the same units as permit limits. [N.J.A.C. 7:27-22.16(o)]	None.
7	VOC (Total) <= 0.87 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
8	SO2 <= 2 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
9	TSP <= 1.5 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
10	PM-10 (Total) <= 1.5 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
11	PM-2.5 (Total) <= 1.5 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
12	Methane <= 3.91 lb/hr. Maximum self imposed emission rate. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
13	Natural Gas Usage <= 26.9 MMft^3/yr. [N.J.A.C. 7:27-22.16(e)].	Natural Gas Usage: Monitored by fuel flow/firing rate instrument continuously for each engine. [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 each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.
14	Maximum Gross Heat Input <= 3.13 MMBTU/hr. [N.J.A.C. 7:27-22.16].	Other: fuel burner rated capacity.[N.J.A.C. 7:27-22.16(o)].	Other: maintain record of manufacturers specifications on site for the life of the equipment.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Five Digesters Venting to Three RICE Engines, each 3.13 MMBtu/hr, Two Open Flares and Four Heaters**

Operating Scenario: **OS18 Digester Heater #1 firing digester gas (with propane pilot light), OS19 Digester Heater #2 firing digester gas (with propane pilot light), OS20 Digester Heater #3 firing digester gas (with propane pilot light), OS21 Digester Heater #4 firing digester gas (with propane pilot light)**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.308 lb/hr. Based on the rated heat input and as calculated from N.J.A.C 7:27-4.2(a). [N.J.A.C. 7:27- 4.2]	None.	None.	None.
2	CO <= 0.075 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	NOx (Total) <= 0.12 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
4	TSP < 0.05 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
5	Maximum Gross Heat Input <= 2.18 MMBTU/hr. [N.J.A.C. 7:27-22.16(e)].	Other: fuel burner rated capacity[N.J.A.C. 7:27-22.16(o)].	Maximum Gross Heat Input: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Maintain the manufacturer's specifications of the fuel burner on site for the life of the equipment . [N.J.A.C. 7:27-22.16(o)]	None.
6	Other Gaseous Fuel Usage <= 31.8 MMft^3/yr as digester gas. [N.J.A.C. 7:27-22.16(e)]	Other Gaseous Fuel Usage: Monitored by fuel flow/firing rate instrument continuously. [N.J.A.C. 7:27-22.16(o)]	Other Gaseous Fuel Usage: 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

Emission Unit: **U2 Belt Filter Presses, Silo and Digested Sludge Feed Screw Conveyor for Processing of Digested Sludge**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	The maximum allowable particulate emission rate from source emission point is 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 %. Visible emissions no greater than 20% opacity, 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.

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 for the filter press equipment 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	Ammonia <= 4.5 tons/yr. [N.J.A.C. 7:27-17]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U2 Belt Filter Presses, Silo and Digested Sludge Feed Screw Conveyor for Processing of Digested Sludge**
Operating Scenario: **OS10 Sludge Silo (S-1)**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	The Storage capacity of silo shall be 3100 cubic feet. [N.J.A.C. 7:27-22.16(a)]	Monitored by documentation of construction once initially. [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. [N.J.A.C. 7:27-22.16(o)]	None.
2	The Silo shall be used for sludge cake storage. The storage silo shall vent to the carbon adsorbent system. [N.J.A.C. 7:27-22.16(a)]	Monitored by documentation of construction once initially. [N.J.A.C. 7:27-22.16(a)]	None.	None.
3	Emissions of all air contaminants shall be below the respective reporting threshold. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U2 Belt Filter Presses, Silo and Digested Sludge Feed Screw Conveyor for Processing of Digested Sludge**
Operating Scenario: **OS11 Screw Conveyer (SC-1)**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Emissions of all air contaminants shall be below the respective reporting threshold. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U2 Belt Filter Presses, Silo and Digested Sludge Feed Screw Conveyor for Processing of Digested Sludge**
Operating Scenario: **OS12 Belt Filter Press (BFP-1), OS13 Belt Filter Press (BFP-2)**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	The belt filter press 2 meter wide and shall have an effective cake filtration area of 426 square feet. [N.J.A.C. 7:27-22.16(a)]	Monitored by documentation of construction once initially. [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. [N.J.A.C. 7:27-22.16(o)]	None.
2	Maximum Sludge Feed Rate <= 3,000 lb/hr based on 20% solids in the sludge, maximum hourly rate based on operating permit application BOP170001. At any time during operation, digested sludge feed rate to the belt filter press shall not exceed 3000 lb/hr based on 20% solids in the sludge. If solids content in the incoming sludge is higher or lower than 20%, the feed rate may be adjusted accordingly. [N.J.A.C. 7:27-22.16(a)]	Maximum Sludge Feed Rate: Monitored by sludge feed/charge rate monitoring each hour during operation. [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.
3	The belt filter press shall be operated in accordance with the Manufacturer's operating and maintenance manual. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Emissions of all air contaminants shall be below the respective reporting threshold. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U3 Emergency Generators Emission Unit**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Federal Rules Summary: * Subject to MACT Subpart A - General Provisions * Subject to MACT Subpart ZZZZ (National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines) (applicable to Engines E111 through E113). [40 CFR Federal Rules Summary]	None.	None.	None.
2	Opacity <= 20 % , exclusive of visible condensed water vapor, for a period of more than ten consecutive seconds. [N.J.A.C. 7:27- 3.5]	Opacity: Monitored by observation on a schedule necessary to assure compliance[N.J.A.C. 7:27-22.16(o)].	None.	None.
3	Comply, as applicable, with the particulate emission requirements of N.J.A.C. 7:27-4. [N.J.A.C. 7:27- 4]	None.	None.	None.
4	Sulfur Content in Fuel <= 15 ppmw. [N.J.A.C. 7:27- 9.2(b)]	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 fuel certification receipts per delivery. [N.J.A.C. 7:27-22.16(o)]	None.
5	The fuel for the emergency generators is limited to diesel fuel. [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
6	The emergency generators shall be located at the facility and produce mechanical or thermal energy, or electrical power exclusively for use at the facility. These emergency generators 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 a 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. [N.J.A.C. 7:27-22.16(o)]	Other: The Permittee shall maintain on site and record in a logbook or computer data system, the following information: 1. 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 2. 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. [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
7	The emergency generators 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.
8	The Permittee shall, once per month, record the total operating time from the generator's hour meter. [N.J.A.C. 7:27-19.11]	Monitored by hour/time monitor continuously . [N.J.A.C. 7:27-22.16(o)]	Other: The Permittee shall maintain on site and record in a logbook or computer data system the total operating time from the generator's hour meter. Once per month. [N.J.A.C. 7:27-19.11].	None.
9	Hours of Operation <= 100 hr/yr for testing and maintannace only. [N.J.A.C. 7:27-22.16(a)]	Hours of Operation: Monitored by hour/time monitor continuously, based on one calendar year. [N.J.A.C. 7:27-22.16(o)]	Other: The permittee shall maintain on site and record in a logbook or computer data system the total operating time from the generator's hour meter. Once per month.[N.J.A.C. 7:27-19.11].	None.
10	CO <= 3.14 tons/yr. Annual emission limit based on 100 hrs/year for all 8 Generators. [N.J.A.C. 7:27-22.16(a)]	CO: Monitored by calculations annually, based on a 12 calendar month period. [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.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
11	NOx (Total) <= 14.56 tons/yr. Annual emission limit based on 100 hrs/year for all 8 Generators. [N.J.A.C. 7:27-22.16(a)]	NOx (Total): Monitored by calculations annually, based on a 12 calendar month period. [N.J.A.C. 7:27-22.16(o)]	NOx (Total): Recordkeeping by manual logging of parameter annually in a permanently bound logbook or readily accessible computer memory. [N.J.A.C. 7:27-22.16(o)]	None.
12	PM-10 (Total) <= 1.02 tons/yr. Annual emission limit based on 100 hrs/year for all 8 Generators. [N.J.A.C. 7:27-22.16(a)]	PM-10 (Total): Monitored by calculations annually, based on a 12 calendar month period. [N.J.A.C. 7:27-22.16(o)]	PM-10 (Total): Recordkeeping by manual logging of parameter annually in a permanently bound logbook or readily accessible computer memory. [N.J.A.C. 7:27-22.16(o)]	None.
13	SO2 <= 0.96 tons/yr. Annual emission limit based on 100 hrs/year for all 8 Generators. [N.J.A.C. 7:27-22.16(a)]	SO2: Monitored by calculations annually, based on a 12 calendar month period. [N.J.A.C. 7:27-22.16(o)]	SO2: Recordkeeping by manual logging of parameter annually in a permanently bound logbook or readily accessible computer memory. [N.J.A.C. 7:27-22.16(o)]	None.
14	TSP <= 1.02 tons/yr. Annual emission limit based on 100 hrs/year for all 8 Generators. [N.J.A.C. 7:27-22.16(a)]	TSP: Monitored by calculations annually, based on a 12 calendar month period. [N.J.A.C. 7:27-22.16(o)]	TSP: Recordkeeping by manual logging of parameter annually in a permanently bound logbook or readily accessible computer memory. [N.J.A.C. 7:27-22.16(o)]	None.
15	VOC (Total) <= 1.19 tons/yr. Annual emission limit based on 100 hrs/year for all 8 Generators. [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by calculations annually, based on a 12 calendar month period. [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Recordkeeping by manual logging of parameter annually in a permanently bound logbook or readily accessible computer memory. [N.J.A.C. 7:27-22.16(o)]	None.
16	Methane <= 0.03 tons/yr. Annual emission limit based on 100 hrs/year for all 8 Generators. [N.J.A.C. 7:27-22.16(a)]	Methane: Monitored by calculations annually, based on a 12 calendar month period. [N.J.A.C. 7:27-22.16(o)]	Methane: Recordkeeping by manual logging of parameter or storing data in a computer data system annually in a permanently bound logbook or readily accessible computer memory. [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
17	The owner or operator of an emergency or black start CI RICE constructed or reconstructed before June 12, 2006 shall change oil and filter every 500 hours of operation or annually, whichever comes first, as prescribed in Table 2d, item 4a to Subpart ZZZZ of 40 CFR 63. [40 CFR 63.6603(a)]	Other: The owner or operator shall change oil and filter every 500 hours of operation or annually, whichever comes first. The owner or operator has an option of utilizing an oil analysis program, at the same frequency specified for changing the oil, in order to extend the specified oil change requirement, per 40 CFR 63.6625(i). The owner or operator must develop and follow a maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions, in accordance with Table 6 item 9 to Subpart ZZZZ of 40 CFR 63. [40 CFR 63.6640(a)].	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The owner or operator must keep records of the oil and filter change. Each record must be readily accessible for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.6660(c) and 40 CFR 63.10(b)(1). [40 CFR 63.6655(e)(2)]	None.
18	The owner or operator must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes. [40 CFR 63.6625(h)]	Other: Monitored according to the manufacturer's emission-related operation and maintenance instructions; or the maintenance plan developed by the owner or operator which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions, in accordance with Table 6 item 9 to Subpart ZZZZ of 40 CFR 63. [40 CFR 63.6640(a)].	Other: The owner or operator must keep records of the maintenance procedures and replacements events. Each record must be readily accessible for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.6660(c) and 40 CFR 63.10(b)(1). [40 CFR 63.6655(e)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U3 Emergency Generators Emission Unit**
Operating Scenario: **OS1 Emergency Generator - O&M CAT 3160**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.7 lb/hr. [N.J.A.C. 7:27-4.2].	None.	None.	None.
2	CO <= 1.21 lb/hr maximum emission rate from the operating permit application. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	NOx (Total) <= 5.64 lb/hr maximum emission rate from the operating permit application. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	VOC (Total) <= 0.46 lb/hr maximum emission rate from the operating permit application. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	SO2 <= 0.37 lb/hr maximum emission rate from the operating permit application. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	TSP <= 0.4 lb/hr maximum emission rate from the operating permit application. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	PM-10 (Total) <= 0.4 lb/hr maximum emission rate from the operating permit application. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Maximum Gross Heat Input <= 1.278 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	Other: rated heat input.[N.J.A.C. 7:27-22.16(o)].	Other: maintain record of manufacturers specifications on site for the life of the equipment.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U3 Emergency Generators Emission Unit**
Operating Scenario: **OS2 Emergency Generator - Raw #1 CAT D399**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 6.32 lb/hr. [N.J.A.C. 7:27-4.2].	None.	None.	None.
2	CO <= 12.14 lb/hr maximum emission rate from the operating permit application. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	NOx (Total) <= 56.36 lb/hr maximum emission rate from the operating permit application. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	VOC (Total) <= 4.6 lb/hr maximum emission rate from the operating permit application. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	SO2 <= 3.71 lb/hr maximum emission rate from the operating permit application. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	TSP <= 3.96 lb/hr maximum emission rate from the operating permit application. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	PM-10 (Total) <= 3.96 lb/hr maximum emission rate from the operating permit application. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Methane <= 0.1 lb/hr maximum self imposed emission rate. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Maximum Gross Heat Input <= 12.78 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	Other: manufacturers rated heat input[N.J.A.C. 7:27-22.16(o)].	Other: maintain record of manufacturers specifications on site for the life of the equipment.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U3 Emergency Generators Emission Unit**
Operating Scenario: **OS3 Emergency Generator - Raw #2 CAT D399**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 6.32 lb/hr. [N.J.A.C. 7:27-4.2].	None.	None.	None.
2	CO <= 12.14 lb/hr maximum emission rate from the operating permit application. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	NOx (Total) <= 56.36 lb/hr maximum emission rate from the operating permit application. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	VOC (Total) <= 4.6 lb/hr maximum emission rate from the operating permit application. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	SO2 <= 3.71 lb/hr maximum emission rate from the operating permit application. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	TSP <= 3.96 lb/hr maximum emission rate from the operating permit application. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	PM-10 (Total) <= 3.96 lb/hr maximum emission rate from the operating permit application. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Methane <= 0.1 lb/hr maximum self imposed emission rate. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Maximum Gross Heat Input <= 12.78 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	Other: manufacturers rated heat input[N.J.A.C. 7:27-22.16(o)].	Other: maintain record of manufacturers specifications on site for the life of the equipment.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U3 Emergency Generators Emission Unit**
Operating Scenario: **OS4 Emergency Generator - Main Pump CAT D399**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 6.32 lb/hr. [N.J.A.C. 7:27-4.2].	None.	None.	None.
2	CO <= 12.14 lb/hr maximum emission rate from the operating permit application. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	NOx (Total) <= 56.36 lb/hr maximum emission rate from the operating permit application. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	VOC (Total) <= 4.6 lb/hr maximum emission rate from the operating permit application. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	SO2 <= 3.71 lb/hr maximum emission rate from the operating permit application. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	TSP <= 3.96 lb/hr maximum emission rate from the operating permit application. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	PM-10 (Total) <= 3.96 lb/hr maximum emission rate from the operating permit application. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Methane <= 0.1 lb/hr maximum self imposed emission rate. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Maximum Gross Heat Input <= 12.78 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	Other: manufacturers rated heat input[N.J.A.C. 7:27-22.16(o)].	Other: maintain record of manufacturers specifications on site for the life of the equipment.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U3 Emergency Generators Emission Unit**
Operating Scenario: **OS5 Emergency Generator - Effluent SBG #1 D398**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 4.64 lb/hr. [N.J.A.C. 7:27-4.2].	None.	None.	None.
2	Carbon monoxide <= 8.09 lb/hr maximum emission rate from the operating permit application. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	NOx (Total) <= 37.57 lb/hr maximum emission rate from the operating permit application. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	PM-10 (Total) <= 2.64 lb/hr maximum emission rate from the operating permit application. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	SO2 <= 2.47 lb/hr maximum emission rate from the operating permit application. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	TSP <= 2.64 lb/hr maximum emission rate from the operating permit application. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	VOC (Total) <= 3.07 lb/hr maximum emission rate from the operating permit application. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Methane <= 0.07 lb/hr maximum self imposed emission rate. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Maximum Gross Heat Input <= 8.52 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	Other: manufacturers rated heat input[N.J.A.C. 7:27-22.16(o)].	Other: maintain record of manufacturers specifications on site for the life of the equipment.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U3 Emergency Generators Emission Unit**
Operating Scenario: **OS6 Emergency Generator - Effluent SBG #2 D398**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 4.64 lb/hr. [N.J.A.C. 7:27-4.2].	None.	None.	None.
2	Carbon monoxide <= 8.09 lb/hr maximum emission rate from the operating permit application. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	NOx (Total) <= 37.57 lb/hr maximum emission rate from the operating permit application. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	PM-10 (Total) <= 2.64 lb/hr maximum emission rate from the operating permit application. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	SO2 <= 2.47 lb/hr maximum emission rate from the operating permit application. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	TSP <= 2.64 lb/hr maximum emission rate from the operating permit application. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	VOC (Total) <= 3.07 lb/hr maximum emission rate from the operating permit application. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Methane <= 0.07 lb/hr maximum self imposed emission rate. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Maximum Gross Heat Input <= 8.52 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	Other: manufacturers rated heat input[N.J.A.C. 7:27-22.16(o)].	Other: maintain record of manufacturers specifications on site for the life of the equipment.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U3 Emergency Generators Emission Unit**
Operating Scenario: **OS7 Emergency Generator - Return SBG #3 D343**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 2.32 lb/hr. [N.J.A.C. 7:27-4.2].	None.	None.	None.
2	Carbon monoxide <= 4.05 lb/hr maximum emission rate from the operating permit application. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	NOx (Total) <= 18.79 lb/hr maximum emission rate from the operating permit application. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	PM-10 (Total) <= 1.32 lb/hr maximum emission rate from the operating permit application. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	SO2 <= 1.24 lb/hr maximum emission rate from the operating permit application. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	TSP <= 1.32 lb/hr maximum emission rate from the operating permit application. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	VOC (Total) <= 1.53 lb/hr maximum emission rate from the operating permit application. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Maximum Gross Heat Input <= 4.26 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	Other: manufacturers rated heat input[N.J.A.C. 7:27-22.16(o)].	Other: maintain record of manufacturers specifications on site for the life of the equipment.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U3 Emergency Generators Emission Unit**
Operating Scenario: **OS9 Emergency Generator - SHF**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 2.32 lb/hr. [N.J.A.C. 7:27-4.2].	None.	None.	None.
2	Carbon monoxide <= 4.84 lb/hr maximum emission rate from the operating permit application. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	NOx (Total) <= 22.48 lb/hr maximum emission rate from the operating permit application. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	PM-10 (Total) <= 1.58 lb/hr maximum emission rate from the operating permit application. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	SO2 <= 1.48 lb/hr maximum emission rate from the operating permit application. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	TSP <= 1.58 lb/hr maximum emission rate from the operating permit application. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	VOC (Total) <= 1.84 lb/hr maximum emission rate from the operating permit application. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Maximum Gross Heat Input <= 5.098 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	Other: manufacturers rated heat input[N.J.A.C. 7:27-22.16(o)].	Other: maintain record of manufacturers specifications on site for the life of the equipment.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U4 HVAC Heaters, 1.25 MMBtu/hr, each**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	No person shall cause, suffer, allow or permit visible smoke to be emitted into the outdoor air from the combustion of fuel in any stationary indirect heat exchanger except these provisions shall not apply to smoke which is visible for a period of not longer than three minutes in any consecutive 30-minute period. [N.J.A.C. 7:27- 3.2(a)]	None.	None.	None.
2	Particulate Emissions <= 0.75 lb/hr. Comply, as applicable, with the particulate emission requirements of N.J.A.C. 7:27-4. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
3	CO <= 0.756 tons/yr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
4	NOx (Total) <= 0.9 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	Maximum Gross Heat Input <= 1.25 MMBTU/hr (HHV) for each of the two HVAC units. [N.J.A.C. 7:27-22.16(a)]	Other: fuel burner rated capacity[N.J.A.C. 7:27-22.16(o)].	Other: maintain record of manufacturers specifications on site for the life of the equipment.[N.J.A.C. 7:27-22.16(o)].	None.
6	Natural Gas Usage <= 18 MMft^3/yr total for all two HVAC units. [N.J.A.C. 7:27-22.16(a)]	Natural Gas Usage: Monitored by gas use totalizing meter continuously, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	Natural Gas Usage: Recordkeeping by manual logging of parameter each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.
7	Natural gas shall be the only fuel permitted for this emission unit (U4). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U4 HVAC Heaters, 1.25 MMBtu/hr, each**
Operating Scenario: **OS1 HVAC-1 (Heater)**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	CO <= 0.103 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
2	NOx (Total) <= 0.123 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	TSP < 0.05 lb/hr. [N.J.A.C. 7:27-22.16(a)] MOST STRINGENT.	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U4 HVAC Heaters, 1.25 MMBtu/hr, each**
Operating Scenario: **OS3 HVAC-12 (Heater)**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	CO <= 0.103 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
2	NOx (Total) <= 0.123 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	TSP < 0.05 lb/hr. [N.J.A.C. 7:27-22.16(a)] MOST STRINGENT.	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U6 Gasoline Storage Tank Emission Unit**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	No person shall cause, suffer, allow, or permit the storage of any applicable VOC in any stationary storage tank that has a maximum capacity of 2,000 gallons (7,570 liters) or greater and is exposed to the rays of the sun unless the external surface of the tank is painted and maintained white, except that this provision shall not apply to words and logograms applied to the external surface of the storage tank for purposes of identification provided such symbols do not cover more than 20 percent of the external surface area of the tank's sides and top or more than 200 square feet (18.6 square meters), whichever is less; or an equivalent method of emission control approved by the Department is used. [N.J.A.C. 7:27-16.2(b)]	None.	None.	None.
2	No person shall cause, suffer, allow, or permit the transfer of gasoline into a receiving vessel having a maximum capacity of 2,000 gallons (7,570 liters) or greater, unless the transfer is made through a submerged fill pipe. If the receiving vessel is a stationary storage tank (either above ground or underground), the submerged fill pipe shall be permanently affixed to the tank; or by some other means approved by the Department as being equally or more effective in reducing total applicable VOC emissions into the outdoor atmosphere during transfer; [N.J.A.C. 7:27-16.3(c)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
3	No person shall cause, suffer, allow, or permit the transfer of gasoline from a delivery vessel into any stationary storage tank having a maximum capacity of 2,000 gallons (7,570 liters) or greater unless the storage tank is equipped and operating with a vapor control system that reduces the total applicable VOC emissions into the outdoor atmosphere by no less than 98 percent of the concentration of applicable VOC by volume in the air-vapor mixture displaced during the transfer of gasoline; and includes a pressure/vacuum relief valve on each atmospheric vent which remains closed during the gasoline transfer. [N.J.A.C. 7:27-16.3(d)]	None.	None.	None.
4	All hoses, piping, connections, fittings and manholes shall be vapor tight and leak free, except when gauging or sampling is performed. [N.J.A.C. 7:27-22.16(e)]	None.	None.	Repair equipment: Upon occurrence of event. Upon detecting a leak the Permittee shall immediately take the equipment out of service until the equipment is repaired consistent with manufacturer's specifications. The Permitee shall also contact the DEP hotline at 1-888-927-6337 in the event a leak is detected. [N.J.A.C. 7:27-22.16(o)]
5	The Permittee shall maintain records of equipment or operational changes. [N.J.A.C. 7:27-22.16(e)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. Any of the following changes listed below must be recorded in either a logbook or in readily accessible computer memories listing a description of the change and the date on which it occurred. These records shall be made available to the Department upon request: 1. replacement of any existing gasoline tank(s), 2. addition of any new gasoline tank(s), 3. change of material stored from diesel or kerosene to gasoline. [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	The average monthly throughput shall not exceed 10,000 gallons of gasoline in any consecutive 12-month period. [N.J.A.C. 7:27-22.16(e)]	Monitored by material feed/flow monitoring continuously, based on a consecutive 12 month period (rolling 1 month basis). The Permittee shall monitor monthly gasoline throughput by inspecting the gasoline flow totalizer on each pump once daily. The permitee shall sum the monthly throughput and the previous eleven (11) months to obtain the annual throughput and then divide by twelve to obtain the average monthly throughput. [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 Permitee shall record in either a logbook or in readily accessible computer memories, average monthly gasoline throughput rates. [N.J.A.C. 7:27-22.16(o)]	Obtain an approved permit: Upon occurrence of event. Upon exceeding an average monthly throughput of 10,000 gallons of gasoline in any consecutive 12-month period the Permittee shall: 1. Within three months of the facility's having an average monthly throughput of more than 10,000 gallons of gasoline, the permitee shall submit to the Department a completed application for a permit modification for the construction, installation, and operation of a vapor control system and any other modifications needed for the facility to meet the requirements of N.J.A.C 7:27-16.3(e); and 2. Within nine months of the facility's having an average monthly throughput of more than 10,000 gallons of gasoline, the Permittee shall commence construction to comply with N.J.A.C 7:27-16.3(e), in accordance with the permit issued by the Department; and 3. Within 18 months of the facility's having an average monthly throughput of more than 10,000 gallons of gasoline, the Permittee shall achieve compliance with N.J.A.C 7:27-16.3(e). [N.J.A.C. 7:27-22.16(o)]
7	The pressure/vacuum relief valves on each atmospheric vent shall be adjusted to the following specifications: 1. Positive pressure setting of 3.0 plus or minus 0.5 inches water column 2. Negative pressure setting of 8.0 plus or minus 0.5 inches water column. [N.J.A.C. 7:27-22.16(e)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. The Permittee shall retain on site the manufacturer's specifications demonstrating compliance with this requirement for the life of the equipment and make available to the Department upon request. [N.J.A.C. 7:27-22.16(o)]	None.
8	VOC (Total) <= 0.74 tons/yr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U8 Siloxane Gas Cleaning System**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	The owner or operator shall not use this emission unit in a manner which will cause visible emissions, exclusive of condensed water vapor, for a period of three minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-22.16(e)]	Other: Monitored by visual determination during each occurrence of pneumatic conveyanc of carbon. Visual inspections shall consist of a visual survey during daylight hours to identify if the stack has visible emissions, (other than condensed water vapor), greater than the prescribed standard. If visible emissions are observed, the permittee shall do the following: (1) Verify that the equipment and /or control device causing the emission is operating according to manufacturers specifications and the operating permit compliance plan. If the equipment or control device is not operating properly, the permittee shall take corrective action immediately to eliminate the excess emissions. The permittee must report any permit violation to NJDEP pursuant to N.J.A.C. 7:27- 22.19. (2) If the corrective action taken in step one does not correct the opacity problem within 24 hours, the permittee shall perform a check via a certified opacity reader, in accordance with N.J.A.C. 7:27B-2. Such a test shall be conducted once per day until corrective action is taken to successfully correct the opacity problem. The permittee must report any continuing permit violation to NJDEP pursuant to N.J.A.C. 7:27-22.19.[N.J.A.C. 7:27-22.16(o)].	Recordkeeping by manual logging of parameter each month during operation (permanently bound logbook or readily accessible computer memory). 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
2	The maximum allowable particulate emission rate shall be 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) is 0.5 lb/hr. [N.J.A.C. 7:27- 6.2]	None.	None.	None.
3	Opacity less than or equal to 20 percent exclusive of condensed water vapor except for three minutes in any consecutive thirty minute period. as per the opacity requirements under N.J.A.C. 7:27-6.2(d) and [N.J.A.C. 7:27- 6.2(e)]	None.	None.	None.
4	All emissions from the operating scenarios in this emission unit must be vented through the dust filter CD4. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	The owner or operator shall inspect and maintain the dust filter (CD4) prior to connecting to system during filter media changes as specified by the manufacturer. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by visual determination prior to each filter media change.[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 Record each inspection and maintenance event in a permanently bound log book or readily accessible computer based memory. [N.J.A.C. 7:27-22.16(o)]	None.
6	Raw materials limited to carbon [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	Emissions of all air contaminants are below the respective reporting thresholds. [N.J.A.C. 7:27-22]	None.	None.	None.

OCEAN COUNTY UTILITIES AUTH NORTH (78910)
BOP180001

New Jersey Department of Environmental Protection
Facility Profile (General)

Facility Name (AIMS): Ocean County Utilities Auth North

Facility ID (AIMS): 78910

Street Address: 255 MANTOLOKING RD
BRICK, NJ 08723

Mailing Address: 255 MANTOLOKING RD
BRICK, NJ 08723

State Plane Coordinates:

X-Coordinate:	740,441
Y-Coordinate:	400,226
Units:	DMS
Datum:	Unknown
Source Org.:	Other/Unknown
Source Type:	Other/Unknown

County: Ocean

Location Description: Wastewater treatment for Ocean County, 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: The Ocean County Utilities Authority
Org. Type: Utility
Name: William Suchodolski
NJ EIN: 44024300039
Title: Regulatory Compliance Manager
Phone: (732) 269-4500 x8225
Fax: (732) 237-2193 x
Other: ( ) - x
Type:
Email: wsuchodolski@ocua.com
Mailing Address: 501 Hickory Lane
PO Box P
Bayville, NJ 08721

Contact Type: Consultant

Organization: Trinity Consultants, Inc
Org. Type: Private
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NJ EIN:
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Mailing Address: 15 Roszel Road
Suite 105
Princeton, NJ 08540

Contact Type: Environmental Officer

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Org. Type: Utility
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Mailing Address: 501 Hickory Lane
PO Box P
Bayville, NJ 08721

OCEAN COUNTY UTILITIES AUTH NORTH (78910)
BOP180001

New Jersey Department of Environmental Protection
Facility Profile (General)

Contact Type: **On-Site Manager**

Organization: The Ocean County Utilities Authority
Org. Type: Utility
Name: Ray Budin
NJ EIN: 44024300039
Title: Director
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Fax: ( ) - x
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Mailing Address: 255 Mantoloking Rd
Brick, NJ 08723

Contact Type: **Regulation Officer**

Organization: The Ocean County Utilities Authority
Org. Type: County/Municipal
Name: Keith B. Marcoon
NJ EIN: 44024300039
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Bayville, NJ 08721

Contact Type: **Responsible Official**

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Org. Type: Utility
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Phone: (732) 269-4500 x8210
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Email: kmarcoon@ocua.com
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PO Box P
Bayville, NJ 08721

OCEAN COUNTY UTILITIES AUTH NORTH (78910) Date: 07/18/2022
BOP180001

New Jersey Department of Environmental Protection
Non-Source Fugitive Emissions

FG NJID	Description of Activity Causing Emission	Location Description	Reasonable Estimate of Emissions (tpy)								
			VOC (Total)	NOx	CO	SO	TSP (Total)	PM-10	Pb	HAPS (Total)	Other (Total)
FG1	Occasional leaks from values, pipes, tanks.										
FG2	Concrete slab use for municipal purposes/occasional dumps.										
FG3	Loading sludge.		0.250				0.250	0.250			
Total			0.250	0.000	0.000	0.000	0.250	0.250	0.000	0.00000000	0.000

OCEAN COUNTY UTILITIES AUTH NORTH (78910)
BOP180001

Date: 7/18/2022

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	6 USLD Tanks and 4 polymer tanks and 4 sodium hypochlorite tanks	Storage Vessel	Buildings 1,2,3,11,14,15	0.030								
IS2	HVAC heaters (2,3,4,5,6,8,9,10,11,13, 14)<1MM Btu/hr firing Natural gas and one hot water gas fired heater	Fuel Combustion Equipment (Other)	Sludge Handling - Building 15	0.113	2.040	1.580	0.013	0.156	0.156			
IS3	2 Gas fired furnaces <1 MM BTU/hr at O & M Building	Fuel Combustion Equipment (Other)	O&M - Building 1	0.022	0.544	0.151	1.288	0.012	0.012			
IS4	U-Channel, Bar Screen Channels, Aerated Grit Chambers, Aeration Basins, Prim. & Sec. Settling Tanks, Conc. Tanks (6 C Scrubbers Total)	Other Equipment	Outside Structures on Plant Site	2.101							1.54500000	
IS5	Heaters - 1 WAS <1MM Btu/hr firing only natural gas	Fuel Combustion Equipment (Other)	WAS Bldg	0.009	0.172	0.144	0.001	0.013	0.013			
IS6	Sludge Storage tank (vapor pressure <.02 psia, >10,000 gal)	Storage Vessel	Sludge handling area									
Total				2.275	2.756	1.875	1.302	0.181	0.181	0.000	1.54500000	0.000

OCEAN COUNTY UTILITIES AUTH NORTH (78910) Date: 7/18/2022
BOP180001

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
E101	Dig. Heater1	Digester Heater #1 (E1210), 2.18 MMBtu/hr	Process Heater	PCP020002	1/1/1979	No	5/1/2002	
E102	Dig. Heater2	Digester Heater #2 (E1211), 2.18 MMBtu/hr	Process Heater	PCP020002	1/1/1979	No	5/1/2002	
E103	Dig. Heater3	Digester Heater #3 (E1212), 2.18 MMBtu/hr	Process Heater	PCP020002	1/1/1979	No	5/1/2002	
E104	Dig. Heater4	Digester Heater #4 (E1213), 2.18 MMBtu/hr	Process Heater	PCP020002	1/1/1979	No	5/1/2002	
E105	PD-1	Primary Digester #1 (E1201)	Manufacturing and Materials Handling Equipment	PCP020002	12/1/1977	No	5/1/2002	
E106	PD-2	Primary Digester #2 (E1202)	Manufacturing and Materials Handling Equipment	PCP020002	12/1/1977	No	5/1/2002	
E107	PD-3	Primary Digester #3 (E1203)	Manufacturing and Materials Handling Equipment	PCP020002	12/1/1977	No	5/1/2002	
E108	PD-4	Primary Digester #4 (E1204)	Manufacturing and Materials Handling Equipment	PCP020002	12/1/1977	No	5/1/2002	
E110	SD-2	Secondary Digester #2 (E1209)	Manufacturing and Materials Handling Equipment	PCP020002	1/1/1978	No	5/1/2002	
E111	ENG-1	Engine #1 (E1205), 3.13 MMBtu/hr, 387 BHP	Stationary Reciprocating Engine	PCP020002	12/29/1987	No	5/1/2002	

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
E112	ENG-2	Engine #2 (E1206), 3.13 MMBtu/hr, 387 BHP	Stationary Reciprocating Engine	PCP020002	12/29/1987	No	5/1/2002	
E113	ENG-3	Engine #3 (E1207), 3.13 MMBtu/hr, 387 BHP	Stationary Reciprocating Engine	PCP020002	12/29/1987	No	5/1/2002	
E201	WASGBT-1	Waste Activated Sludge Gravity Belt Thickener #1	Manufacturing and Materials Handling Equipment	N/A	8/1/1989	Yes		
E202	WASGBT-2	Waste Activated Sludge Gravity Belt Thickener #2	Manufacturing and Materials Handling Equipment	N/A	8/1/1989	Yes		
E203	WASGBT-3	Waste Activated Sludge Gravity Belt Thickener #3	Manufacturing and Materials Handling Equipment	N/A	7/18/1996	Yes		
E207	CSRS1	Contra-Shear Rotary Screen	Manufacturing and Materials Handling Equipment	N/A	12/1/1977	Yes		
E208	S-1	Sludge Silo (S-1)	Storage Vessel					
E209	SC-1	Screw Conveyer (SC-1)	Manufacturing and Materials Handling Equipment					
E210	BFP-1	Belt Filter Press (BFP-1)	Manufacturing and Materials Handling Equipment					
E211	BFP-2	Belt Filter Press (BFP-2)	Manufacturing and Materials Handling Equipment					

OCEAN COUNTY UTILITIES AUTH NORTH (78910) Date: 7/18/2022
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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
E301	OMCAT-3160	Emergency Generator - O&M CAT 3160 (E2601 - 1.278 MMBtu/hr)	Emergency Generator	GEN990006	9/7/1976	No	1/25/1999	
E302	RAW1CAT-D3	Emergency Generator - Raw #1 CAT D399 (E2801 - 12.78 MMBtu/hr)	Emergency Generator	GEN990005	9/7/1976	No	1/29/1999	
E303	RAW2CAT-D3	Emergency Generator - Raw #2 CAT D399 (E2901 - 12.78 MMBtu/hr)	Emergency Generator	GEN990004	9/7/1976	No	1/29/1999	
E304	MPCAT-D399	Emergency Generator - Main Pump CAT D399 (E2701 - 12.78 MMBtu/hr)	Emergency Generator	GEN990002	9/7/1976	No	1/25/1999	
E305	SBG1CAT-D3	Emergency Generator - Effluent SBG #1 D398 (E3001 - 8.52 MMBtu/hr)	Emergency Generator	GEN990007	9/7/1976	No	1/25/1999	
E306	SBG2CAT-D3	Emergency Generator - Effluent SBG #2 D398 (E3101 - 8.52 MMBtu/hr)	Emergency Generator	GEN990003	9/7/1976	No	1/25/1999	
E307	SBG3CAT-D3	Emergency Generator - Return SBG #3 D343 (E3201 - 4.26 MMBtu/hr)	Emergency Generator	GEN990008	9/7/1976	No	1/25/1999	
E309	SHF-EG-1	Emergency Generator - SHF (E1)	Emergency Generator	GEN020001	6/1/2002	No		
E401	HVAC-1	HVAC-1 Main Pump Building (Heater) (E101 - 1.25 MMBtu/hr)	Fuel Combustion Equipment (Other)	PCP020003	10/15/1998	No	5/27/2002	

OCEAN COUNTY UTILITIES AUTH NORTH (78910) Date: 7/18/2022
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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
E403	HVAC-12	HVAC-12 Sludge Handling (Heater) (E201 - 1.25 MMBtu/hr)	Fuel Combustion Equipment (Other)	PCP020003	10/15/1998	No	5/27/2002	
E601	N-1	2000 Gallon Gasoline Storage Tank (N-1) (E1401)	Storage Vessel	PCP990001	4/1/1994	No	11/17/1999	
E701	CSRS-2	Contra-Shear Rotary Screen No. 2 (E2501)	Manufacturing and Materials Handling Equipment	PCP020001	2/15/2002	No		
E801	ACT CARB 1	Carbon Storage for Gas Cleaning (Unit No. 1) (E2)	Storage Vessel	GEN020002	5/6/2002	No		
E802	ACT CARB 2	Carbon Storage for Gas Cleaning (Unit No. 2) (E2)	Storage Vessel	GEN020002	5/6/2002	No		
E803	ACT CARB 3	Carbon Storage for Gas Cleaning (Unit No. 3) (E2)	Storage Vessel	GEN020002	5/6/2002	No		
E804	CARB Hopper	Carbon Loading Hopper (E2)	Manufacturing and Materials Handling Equipment	GEN020002	5/6/2002	No		

78910 OCEAN COUNTY UTILITIES AUTH NORTH BOP180001 E105 (Manufacturing and Materials Handling Equipment)
Print Date: 6/7/2022

Make:	Not Applicable
Manufacturer:	Not Applicable
Model:	Not Applicable
Type of Manufacturing and Materials Handling Equipment:	Primary Digester #1
Capacity:	2.00E+05
Units:	ft^3
Description (if other):	
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:	The digester is a concrete structure that was built on site.

78910 OCEAN COUNTY UTILITIES AUTH NORTH BOP180001 E107 (Manufacturing and Materials Handling Equipment)
Print Date: 6/7/2022

Make:	Not Applicable
Manufacturer:	Not Applicable
Model:	Not Applicable
Type of Manufacturing and Materials Handling Equipment:	Primary Digester #3
Capacity:	2.00E+05
Units:	ft^3
Description (if other):	
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:	The digester is a concrete structure that was built on site.

78910 OCEAN COUNTY UTILITIES AUTH NORTH BOP180001 E108 (Manufacturing and Materials Handling Equipment)
Print Date: 6/7/2022

Make:	Not Applicable
Manufacturer:	Not Applicable
Model:	Not Applicable
Type of Manufacturing and Materials Handling Equipment:	Primary Digester #4
Capacity:	2.00E+05
Units:	ft^3
Description (if other):	
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:	The digester is a concrete structure that was built on site.

78910 OCEAN COUNTY UTILITIES AUTH NORTH BOP180001 E110 (Manufacturing and Materials Handling Equipment)
Print Date: 6/7/2022

Make:	Not Applicable
Manufacturer:	Not Applicable
Model:	Not Applicable
Type of Manufacturing and Materials Handling Equipment:	Secondary Digester #2
Capacity:	2.00E+05
Units:	ft^3
Description (if other):	
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:	The digester is a concrete structure that was built on site.

78910 OCEAN COUNTY UTILITIES AUTH NORTH BOP180001 E106 (Manufacturing and Materials Handling Equipment)
Print Date: 6/7/2022

Make:	Not Applicable
Manufacturer:	Not Applicable
Model:	Not Applicable
Type of Manufacturing and Materials Handling Equipment:	Primary Digester #2
Capacity:	2.00E+05
Units:	ft^3
Description (if other):	
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:	The digester is a concrete structure that was built on site.

78910 OCEAN COUNTY UTILITIES AUTH NORTH BOP180001 E201 (Manufacturing and Materials Handling Equipment)
Print Date: 6/7/2022

Make:	Not Available
Manufacturer:	Ashbrook-Simon-Hartley
Model:	Size IV
Type of Manufacturing and Materials Handling Equipment:	Waste Act. Sludge Gravity Belt Thickener #1
Capacity:	1.38E+03
Units:	other units
Description (if other):	lbs/hr
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:	Has a 3 meter belt width. Located in Waste Activated Sludge Building.

78910 OCEAN COUNTY UTILITIES AUTH NORTH BOP180001 E202 (Manufacturing and Materials Handling Equipment)
Print Date: 6/7/2022

Make:	Not Available
Manufacturer:	Ashbrook-Simon-Hartely
Model:	Size IV
Type of Manufacturing and Materials Handling Equipment:	Waste Act. Sludge Gravity Belt Thickener #2
Capacity:	1.38E+03
Units:	other units
Description (if other):	lbs/hr
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:	Has a 3 meter belt width. Located in Waste Activated Sludge Building.

78910 OCEAN COUNTY UTILITIES AUTH NORTH BOP180001 E203 (Manufacturing and Materials Handling Equipment)
Print Date: 6/7/2022

Make:	Not Available
Manufacturer:	Ashbrook-Simon-Hartley
Model:	Size IV
Type of Manufacturing and Materials Handling Equipment:	Waste Act. Sludge Gravity Belt Thickener #3
Capacity:	1.38E+03
Units:	other units
Description (if other):	lbs/hr
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:	Has a 3 meter belt width. Located in Waste Activated Sludge Building.

78910 OCEAN COUNTY UTILITIES AUTH NORTH BOP180001 E207 (Manufacturing and Materials Handling Equipment)
Print Date: 6/7/2022

Make:	Contra-Shear Rotary Screen
Manufacturer:	EIMCO - Process Equipment Company
Model:	Model 15 x 18B, SN 23681-01-A
Type of Manufacturing and Materials Handling Equipment:	Rotary Screen
Capacity:	6.30E+03
Units:	other units
Description (if other):	lb/hr solids loading
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:	Flow rate is 500 gpm at 2.5% solids.

78910 OCEAN COUNTY UTILITIES AUTH NORTH BOP180001 E208 (Storage Vessel)
Print Date: 6/7/2022

What type of contents is this storage vessel equipped to contain by design?	Both Solids and Liquids
Storage Vessel Type:	Silo
Design Capacity:	3,100
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:	
Shell Height (From Ground to Roof Bottom) (ft):	
Length (ft):	
Width (ft):	
Diameter (ft):	
Other Dimension	
Description:	
Value:	
Units:	
Fill Method:	
Description (if other):	
Maximum Design Fill Rate:	
Units:	
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	

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:

78910 OCEAN COUNTY UTILITIES AUTH NORTH BOP180001 E209 (Manufacturing and Materials Handling Equipment)
Print Date: 6/7/2022

Make:	
Manufacturer:	
Model:	
Type of Manufacturing and Materials Handling Equipment:	
Capacity:	1.40E+01
Units:	other units
Description (if other):	wet tons per hour
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:	

78910 OCEAN COUNTY UTILITIES AUTH NORTH BOP180001 E210 (Manufacturing and Materials Handling Equipment)
Print Date: 6/7/2022

Make:	
Manufacturer:	
Model:	
Type of Manufacturing and Materials Handling Equipment:	
Capacity:	1.50E+03
Units:	other units
Description (if other):	lb per hour loading
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:	

78910 OCEAN COUNTY UTILITIES AUTH NORTH BOP180001 E211 (Manufacturing and Materials Handling Equipment)
Print Date: 6/7/2022

Make:	
Manufacturer:	
Model:	
Type of Manufacturing and Materials Handling Equipment:	
Capacity:	1.50E+03
Units:	other units
Description (if other):	lb per hour loading
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:	

78910 OCEAN COUNTY UTILITIES AUTH NORTH BOP180001 E601 (Storage Vessel)
Print Date: 6/7/2022

What type of contents is this storage vessel equipped to contain by design?	Liquids Only
Storage Vessel Type:	Tank
Design Capacity:	2,000
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:	Welded
Is the Shell Insulated?	Yes
Type of Insulation:	Polystyrene, Polyethylene, Concrete
Insulation Thickess (in):	6.4
Thermal Conductivity of Insulation [(BTU)(in)(hr)(ft2)(deg F)]:	0.66000
Shape of Storage Vessel:	Rectangular
Shell Height (From Ground to Roof Bottom) (ft):	5.50
Length (ft):	11.25
Width (ft):	8.00
Diameter (ft):	
Other Dimension	
Description:	
Value:	
Units:	
Fill Method:	Submerged
Description (if other):	
Maximum Design Fill Rate:	300.00
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):	0.01
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	

78910 OCEAN COUNTY UTILITIES AUTH NORTH BOP180001 E601 (Storage Vessel)
Print Date: 6/7/2022

Does the storage vessel have a Conservation Vent?	Yes
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:	

78910 OCEAN COUNTY UTILITIES AUTH NORTH BOP180001 E701 (Manufacturing and Materials Handling Equipment)
Print Date: 6/7/2022

Make:	Contra-Shear Rotary Screen
Manufacturer:	EIMCO - Process Equipment Company
Model:	5/6B (Model 15 x 18B)
Type of Manufacturing and Materials Handling Equipment:	Rotary Screen
Capacity:	6.30E+03
Units:	other units
Description (if other):	lb/hr solids loading
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?	Yes
Comments:	Maximum flow rate is 500 gpm.

78910 OCEAN COUNTY UTILITIES AUTH NORTH BOP180001 E801 (Storage Vessel)
Print Date: 6/7/2022

What type of contents is this storage vessel equipped to contain by design?	Solids Only
Storage Vessel Type:	Tank
Design Capacity:	57
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):	8.00
Length (ft):	
Width (ft):	
Diameter (ft):	3.00
Other Dimension	
Description:	
Value:	
Units:	
Fill Method:	Other
Description (if other):	pneumatic
Maximum Design Fill Rate:	
Units:	ft^3/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?	

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:	

78910 OCEAN COUNTY UTILITIES AUTH NORTH BOP180001 E802 (Storage Vessel)
Print Date: 6/7/2022

What type of contents is this storage vessel equipped to contain by design?	Solids Only
Storage Vessel Type:	Tank
Design Capacity:	57
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):	8.00
Length (ft):	
Width (ft):	
Diameter (ft):	3.00
Other Dimension	
Description:	
Value:	
Units:	
Fill Method:	Other
Description (if other):	pneumatic
Maximum Design Fill Rate:	
Units:	ft^3/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?	

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:	

78910 OCEAN COUNTY UTILITIES AUTH NORTH BOP180001 E803 (Storage Vessel)
Print Date: 6/7/2022

What type of contents is this storage vessel equipped to contain by design?	Solids Only
Storage Vessel Type:	Tank
Design Capacity:	57
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):	8.00
Length (ft):	
Width (ft):	
Diameter (ft):	3.00
Other Dimension	
Description:	
Value:	
Units:	
Fill Method:	Other
Description (if other):	pneumatic
Maximum Design Fill Rate:	
Units:	ft^3/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?	

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:	

78910 OCEAN COUNTY UTILITIES AUTH NORTH BOP180001 E804 (Manufacturing and Materials Handling Equipment)
Print Date: 6/7/2022

Make:	Fox Solids Conveying Eductor
Manufacturer:	Fox
Model:	02-S0029-1002
Type of Manufacturing and Materials Handling Equipment:	Loading Hopper
Capacity:	
Units:	
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:	

OCEAN COUNTY UTILITIES AUTH NORTH (78910) Date: 7/18/2022

BOP180001

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	WGB #1	Waste Gas Burner #1 (Open Flare)	Flare	1/1/1978	No		
CD2	WGB#2	Waste Gas Burner #2 (Open Flare) (CD1215)	Flare	1/1/1978	No		
CD4	CARB DC	Dust filter for gas treatment	Particulate Filter (Other)	1/1/2002	No		
CD5	Activated Ca	Odor control for new Sludge area	Adsorber	12/1/2013	No		

78910 OCEAN COUNTY UTILITIES AUTH NORTH BOP180001 CD2 (Flare)
Print Date: 6/7/2022

Make:	Varec
Manufacturer:	Varec
Model:	Model 244W
Type:	Open
Minimum Residence Time (sec):	
Maximum Rated Gross Heat Input (MMBtu/hr):	13.32
Auxilliary Fuel:	Natural gas
Description:	
Method of Pilot Flame Monitoring:	Thermocouple
Monitoring Location:	Local
Automatic Gas Shutoff After Loss of Flame?	● Yes ○ No
Automatic Reignition After Loss of Flame?	● Yes ○ No
Minimum Gas Flow Rate (acfm):	370.0
Minimum Operating Temperature (ºF):	
Minimum Heat Content at Burner Tip (Btu/ft³):	600.00
Flare Operation Type:	Emergency Use
Does Flare have smokeless design?	● Yes ○ No
Is Flare equipped with flame retainer?	● Yes ○ No
Is Flare equipped with flame arrestor?	● Yes ○ No
Is Flare equipped with LEL monitor?	○ Yes ● No
Flare Stack Diameter (inches):	4.00
Lower Heat Content of source gas (BTU/scf):	600
Lower Heat Content of Supplemental Fuel (BTU/scf):	
Destruction and Removal Efficency (%):	
How was Efficency determined?	
Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources):	5
Alternative Method to Demonstrate Control Apparatus is Operating Properly:	Observe Operation
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

○ Yes ● No

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

○ Yes ● No

Comments:

78910 OCEAN COUNTY UTILITIES AUTH NORTH BOP180001 CD1 (Flare)
Print Date: 6/7/2022

Make:	Varec
Manufacturer:	Varec
Model:	Model 244W
Type:	Open
Minimum Residence Time (sec):	
Maximum Rated Gross Heat Input (MMBtu/hr):	13.32
Auxilliary Fuel:	Natural gas
Description:	
Method of Pilot Flame Monitoring:	Thermocouple
Monitoring Location:	Local
Automatic Gas Shutoff After Loss of Flame?	● Yes ○ No
Automatic Reignition After Loss of Flame?	● Yes ○ No
Minimum Gas Flow Rate (acfm):	370.0
Minimum Operating Temperature (ºF):	
Minimum Heat Content at Burner Tip (Btu/ft³):	600.00
Flare Operation Type:	Emergency Use
Does Flare have smokeless design?	● Yes ○ No
Is Flare equipped with flame retainer?	● Yes ○ No
Is Flare equipped with flame arrestor?	● Yes ○ No
Is Flare equipped with LEL monitor?	○ Yes ● No
Flare Stack Diameter (inches):	4.00
Lower Heat Content of source gas (BTU/scf):	600
Lower Heat Content of Supplemental Fuel (BTU/scf):	
Destruction and Removal Efficency (%):	
How was Efficency determined?	
Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources):	5
Alternative Method to Demonstrate Control Apparatus is Operating Properly:	Observe Operation
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

○ Yes ● No

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

○ Yes ● No

Comments:

78910 OCEAN COUNTY UTILITIES AUTH NORTH BOP180001 CD5 (Adsorber)
Print Date: 6/7/2022

Make:	C
Manufacturer:	
Model:	
Adsorber Type:	
Description:	
Maximum Gas Flow Rate to Adsorber (acfm):	
Maximum Temperature of Vapor Stream to Adsorber (°F):	
Minimum Temperature of Vapor Stream to Adsorber (°F):	
Minimum Moisture Content of Vapor Stream to Adsorber (%):	
Type of Adsorbant:	This will treat the gas collected from new sludge area floor.....
Bed Height:	
Bed Length:	
Bed Width:	
Units:	
Other Bed Dimension:	
Value:	
Units:	
Minimum Pressure Drop Across Adsorbant (in. H20):	
Maximum Pressure Drop Across Adsorber (in. H20):	
Total Weight of Adsorbant (lbs):	
Total Weight of Adsorbant When Saturated (lbs):	
Maximum Adsorbant Capacity (lbs Adsorbate/lbs Adsorbant):	
Minimum Adsorbant Capacity (lbs Adsorbate/lbs Adsorbant):	
Set-up Type:	

Method of Determining Breakthrough (check all that apply):

Continuous Emissions Monitor (CEM):	☐
Replacement By Weight:	☐
Periodic Testing:	☐
Sampling Frequency:	
Sampling Device:	
Other:	☐
Description:	
Minimum Concentration at Breakthrough (ppmvd):	
Handling Method of Saturated Adsorbant:	
Method of Regeneration:	

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:

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:

OCEAN COUNTY UTILITIES AUTH NORTH (78910)
BOP180001

Date: 7/18/2022

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.		
PT101	Eng 1 Stack	Engine #1 Stack (PT1205)	Round	10	30	300	300.0	0.0	600.0	1,350.0	0.0	2,700.0	Up	
PT102	Eng 2 Stack	Engine #2 Stack (PT1206)	Round	10	30	300	300.0	0.0	600.0	1,350.0	0.0	2,700.0	Up	
PT103	Eng 3 Stack	Engine #3 Stack (PT1207)	Round	10	30	300	300.0	0.0	600.0	1,350.0	0.0	2,700.0	Up	
PT104	HTR Stack 1	Digester Heater #1 Stack (PT1210)	Round	10	31	300	600.0	0.0	1,200.0	1,000.0	0.0	2,000.0	Up	
PT105	HTR Stack 2	Digester Heater #2 Stack (PT1211)	Round	10	31	300	600.0	0.0	1,200.0	1,000.0	0.0	2,000.0	Up	
PT106	HTR Stack 3	Digester Heater #3 Stack (PT1212)	Round	10	31	300	600.0	0.0	1,200.0	1,000.0	0.0	2,000.0	Up	
PT107	HTR Stack 4	Digester Heater #4 Stack (PT1213)	Round	10	31	300	600.0	0.0	1,200.0	1,000.0	0.0	2,000.0	Up	
PT108	FLR 1 Stack	Waste Gas Burner NWPCF #1 (Flare) Stack (PT1214)	Round	24	40	300	600.0	0.0	1,200.0	50.0	0.0	200.0	Up	
PT109	FLR 2 Stack	Waste Gas Burner NWPCF #2 (Flare) Stack (PT1215)	Round	24	40	300	600.0	0.0	1,200.0	50.0	0.0	200.0	Up	
PT201	WASGBT-1	Waste Activated Sludge Gravity Belt Thickener Emission Point #1 (EF1A)	Round	34	20	150	70.0	50.0	90.0	1,350.0	0.0	2,700.0	Up	
PT202	WASGBT-2	Waste Activated Sludge Gravity Belt Thickener Emission Point #2 (EF1B)	Round	34	20	150	70.0	50.0	90.0	1,350.0	0.0	2,700.0	Up	
PT203	BFP-1	Belt Filter Press Emission Point #1 (REF 10)	Round	24	24	150	70.0	50.0	90.0	3,000.0	1,500.0	4,500.0	Up	
PT204	BFP-2	Belt Filter Press Emission Point #2 (EF-2)	Round	12	21	350	70.0	50.0	90.0	225.0	117.0	340.0	Up	
PT205	BFP-3	Belt Filter Press Emission Point #3 (REF 6)	Round	45	26	350	70.0	50.0	90.0	18,900.0	9,450.0	28,350.0	Up	

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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.		
PT206	BFP-4	Belt Filter Press Emission Point #4 (RE 3)	Round	42	22	350	70.0	50.0	90.0	8,000.0	4,000.0	12,000.0	Up	
PT207	BFP-5	Belt Filter Press Emission Point #5 (REF 9)	Round	24	23	350	70.0	50.0	90.0	4,000.0	2,000.0	6,000.0	Up	
PT208	BFP-6	Belt Filter Press Emission Point #6 (RE 4)	Round	30	23	350	70.0	50.0	90.0	3,100.0	1,550.0	4,650.0	Up	
PT209	BFP-7	Belt Filter Press Emission Point #7 (REF 7)	Round	24	24	350	70.0	50.0	90.0	4,750.0	2,375.0	7,125.0	Up	
PT210	SSR	Sludge Screen Room Stack (Rotary Screen)	Round	24	25	350	70.0	50.0	90.0	3,000.0	1,500.0	4,500.0	Up	
PT211	GT-EF-1	Digested Sludge Gravity Belt Thickener Emission Point #8	Round	40	25	350	70.0	50.0	90.0	5,500.0	2,750.0	8,250.0	Up	
PT212	S-1	Sludge Silo Exhaust Through Carbon Adsoption Unit												
PT213	EF-1	BFP-1 Exhaust Fan												
PT214	EF-2	BFP-2 Exhaust Fan												
PT301	OMCAT-3160	Emergency Generator Emission Point - O&M CAT 3160	Round	5	8	400	700.0	500.0	900.0	3,000.0	1,000.0	5,000.0	Up	
PT302	RAW1CAT-D399	Emergency Generator Emission Point - Raw #1 CAT D399	Round	12	32	515	700.0	500.0	900.0	3,000.0	1,000.0	5,000.0	Up	
PT303	RAW2CAT-D399	Emergency Generator Emission Point - Raw #2 CAT D399	Round	12	32	515	700.0	500.0	900.0	3,000.0	1,000.0	5,000.0	Up	
PT304	MPCAT-D399	Emergency Generator Emission Point - Main Pump CAT D399	Round	12	29	525	700.0	500.0	900.0	3,000.0	1,000.0	5,000.0	Up	

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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.		
PT305	SBG1CAT-D398	Emergency Generator Emission Point - Effluent SBG #1 D398	Round	12	19	425	700.0	500.0	900.0	3,000.0	1,000.0	5,000.0	Up	
PT306	SBG2CAT-D398	Emergency Generator Emission Point - Effluent SBG #2 D398	Round	12	19	425	700.0	500.0	900.0	3,000.0	1,000.0	5,000.0	Up	
PT307	SBG3CAT-D343	Emergency Generator Emission Point - Return SBG #3 D343	Round	6	19	425	700.0	500.0	900.0	3,000.0	1,000.0	5,000.0	Up	
PT309	SHF-EG-1	Emergency Generator Emission Point - SHF-EG-1	Round	10	31	325	750.0	500.0	1,000.0	3,000.0	1,000.0	5,000.0	Up	
PT401	HVAC-1	HVAC-1 Main Pump Building Emission Point (PT101)	Round	12	31	525	375.0	150.0	600.0	500.0	5.0	1,000.0	Up	
PT403	HVAC-12	HVAC-12 Sludge Handling Emission Point (PT201)	Round	12	11	250	375.0	150.0	600.0	500.0	5.0	1,000.0	Up	
PT601	N-1	Gasoline Storage Tank (N-1) Emission Point (PT14)	Round	3	13	450	70.0	50.0	90.0	20.0	0.0	40.0	Up	
PT801	ACT CARB	Carbon Vessel Emission Point	Round	30	3	300	50.0	0.0	100.0	175.0	0.0	350.0	Down	

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Emission Unit/Batch Process Inventory

U 1 SludgeHand Five Digesters Venting to Three RICE Engines, each 3.13 MMBtu/hr, Two Open Flares and Four Heaters

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	P Dig1-FLR1	Primary Digester #1 vented to Waste Gas Burner #1	Normal - Steady State	E105	CD1 (P)	PT108		0.0	8,760.0	A	0.0	200.0	0.0	1,200.0
OS2	P Dig1-FLR2	Primary Digester #1 vented to Waste Gas Burner #2	Normal - Steady State	E105	CD2 (P)	PT109		0.0	8,760.0	A	0.0	200.0	0.0	1,200.0
OS3	P Dig2-FLR1	Primary Digester #2 vented to Waste Gas Burner #1	Normal - Steady State	E106	CD1 (P)	PT108		0.0	8,760.0	A	0.0	200.0	0.0	1,200.0
OS4	P Dig2-FLR2	Primary Digester #2 vented to Waste Gas Burner #2	Normal - Steady State	E106	CD2 (P)	PT109		0.0	8,760.0	A	0.0	200.0	0.0	1,200.0
OS5	P Dig3-FLR1	Primary Digester #3 vented to Waste Gas Burner #1	Normal - Steady State	E107	CD1 (P)	PT108		0.0	8,760.0	A	0.0	200.0	0.0	1,200.0
OS6	P Dig3-FLR2	Primary Digester #3 vented to Waste Gas Burner #2	Normal - Steady State	E107	CD2 (P)	PT109		0.0	8,760.0	A	0.0	200.0	0.0	1,200.0
OS7	P Dig4-FLR1	Primary Digester #4 vented to Waste Gas Burner #1	Normal - Steady State	E108	CD1 (P)	PT108		0.0	8,760.0	A	0.0	200.0	0.0	1,200.0
OS8	P Dig4-FLR2	Primary Digester #4 vented to Waste Gas Burner #2	Normal - Steady State	E108	CD2 (P)	PT109		0.0	8,760.0	A	0.0	200.0	0.0	1,200.0
OS10	S Dig2-FLR1	Secondary Digester #2 vented to Waste Gas Burner #1	Normal - Steady State	E110	CD1 (P)	PT108		0.0	8,760.0	A	0.0	200.0	0.0	1,200.0
OS11	S Dig2-FLR2	Secondary Digester #2 vented to Waste Gas Burner #2	Normal - Steady State	E110	CD2 (P)	PT109		0.0	8,760.0	A	0.0	200.0	0.0	1,200.0
OS12	Eng 1 on DG	Engine #1 firing digester gas blended with natural gas	Normal - Steady State	E111		PT101		0.0	8,760.0		0.0	2,700.0	0.0	600.0

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U 1 SludgeHand Five Digesters Venting to Three RICE Engines, each 3.13 MMBtu/hr, Two Open Flares and Four Heaters

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.
OS13	Eng 2 on DG	Engine #2 firing digester gas blended with natural gas	Normal - Steady State	E112		PT102		0.0	8,760.0		0.0	2,700.0	0.0	600.0
OS14	Eng 3 on DG	Engine #3 firing digester gas blended with natural gas	Normal - Steady State	E113		PT103		0.0	8,760.0		0.0	2,700.0	0.0	600.0
OS15	Eng 1 on NG	Engine #1 firing natural gas	Normal - Steady State	E111		PT101		0.0	8,760.0		0.0	2,700.0	0.0	600.0
OS16	Eng 2 on NG	Engine #2 firing natural gas	Normal - Steady State	E112		PT102		0.0	8,760.0		0.0	2,700.0	0.0	600.0
OS17	Eng 3 on NG	Engine #3 firing natural gas	Normal - Steady State	E113		PT103		0.0	8,760.0		0.0	2,700.0	0.0	600.0
OS18	Dig. Heater1	Digester Heater #1 firing digester gas (with propane pilot light)	Normal - Steady State	E101		PT104		0.0	8,760.0		0.0	2,000.0	0.0	1,200.0
OS19	Dig. Heater2	Digester Heater #2 firing digester gas (with propane pilot light)	Normal - Steady State	E102		PT105		0.0	8,760.0		0.0	2,000.0	0.0	1,200.0
OS20	Dig. Heater3	Digester Heater #3 firing digester gas (with propane pilot light)	Normal - Steady State	E103		PT106		0.0	8,760.0		0.0	2,000.0	0.0	1,200.0
OS21	Dig. Heater4	Digester Heater #4 firing digester gas (with propane pilot light)	Normal - Steady State	E104		PT107		0.0	8,760.0		0.0	2,000.0	0.0	1,200.0

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U 2 FiltrPresses Belt Filter Presses, Silo and Digested Sludge Feed Screw Conveyor for Processing of Digested Sludge

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	WASGBT-1	Waste Activated Sludge Gravity Belt Thickener #1	Normal - Steady State	E201		PT201 PT202		0.0	8,760.0	A	0.0	5,400.0	50.0	90.0
OS2	WASGBT-2	Waste Activated Sludge Gravity Belt Thickener #2	Normal - Steady State	E202		PT201 PT202		0.0	8,760.0	A	0.0	5,400.0	50.0	90.0
OS3	WASGBT-3	Waste Activated Sludge Gravity Belt Thickener #3	Normal - Steady State	E203		PT201 PT202		0.0	8,760.0	A	0.0	5,400.0	50.0	90.0
OS7	CSRS1	Contra-Shear Rotary Screen	Normal - Steady State	E207		PT210		0.0	8,760.0	A	0.0	4,500.0	50.0	90.0
OS8	CSRS-2	Contra-Shear Rotary Screen No. 2	Normal - Steady State	E701		PT210		0.0	8,760.0	A	0.0	4,500.0	50.0	90.0
OS10	S-1	Sludge Silo (S-1)	Normal - Steady State	E208	CD5 (P)	PT212								
OS11	SC-1	Screw Conveyer (SC-1)	Normal - Steady State	E209	CD5 (P)	PT212								
OS12	BFP-1	Belt Filter Press (BFP-1)	Normal - Steady State	E210		PT203 PT204 PT205 PT206 PT207 PT208 PT209 PT210 PT211 PT213 PT214								

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U 2 FiltrPresses Belt Filter Presses, Silo and Digested Sludge Feed Screw Conveyor for Processing of Digested Sludge

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.
OS13	BFP-2	Belt Filter Press (BFP-2)	Normal - Steady State	E211		PT203 PT204 PT205 PT206 PT207 PT208 PT209 PT210 PT211 PT213 PT214								

U 3 Em. Gen. Emergency Generators Emission Unit

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	OMCAT-3160	Emergency Generator - O&M CAT 3160	Normal - Steady State	E301		PT301		0.0	500.0		1,000.0	5,000.0	500.0	900.0
OS2	RAW1CAT-D39	Emergency Generator - Raw #1 CAT D399	Normal - Steady State	E302		PT302		0.0	500.0		1,000.0	5,000.0	500.0	900.0
OS3	RAW2CAT-D39	Emergency Generator - Raw #2 CAT D399	Normal - Steady State	E303		PT303		0.0	500.0		1,000.0	5,000.0	500.0	900.0

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U 3 Em. Gen. Emergency Generators Emission Unit

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.
OS4	MPCAT-D399	Emergency Generator - Main Pump CAT D399	Normal - Steady State	E304		PT304		0.0	500.0		1,000.0	5,000.0	500.0	900.0
OS5	SBG1CAT-D398	Emergency Generator - Effluent SBG #1 D398	Normal - Steady State	E305		PT305		0.0	500.0		1,000.0	5,000.0	500.0	900.0
OS6	SBG2CAT-D398	Emergency Generator - Effluent SBG #2 D398	Normal - Steady State	E306		PT306		0.0	500.0		1,000.0	5,000.0	500.0	900.0
OS7	SBG3CAT-D343	Emergency Generator - Return SBG #3 D343	Normal - Steady State	E307		PT307		0.0	500.0		1,000.0	5,000.0	500.0	900.0
OS9	SHF-EG-1	Emergency Generator - SHF	Normal - Steady State	E309		PT309		0.0	500.0		1,000.0	5,000.0	500.0	1,000.0

U 4 HVAC Units HVAC Heaters, 1.25 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	HVAC-1	HVAC-1 (Heater)	Normal - Steady State	E401		PT401		0.0	8,760.0		5.0	1,000.0	32.0	161.0
OS3	HVAC-12	HVAC-12 (Heater)	Normal - Steady State	E403		PT403		0.0	8,760.0		5.0	1,000.0	32.0	161.0

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Emission Unit/Batch Process Inventory

U 6 Storage Tank Gasoline Storage Tank Emission Unit

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	N-1	2000 Gallon Gasoline Storage Tank	Normal - Steady State	E601		PT601		0.0	8,760.0		0.0	40.0	50.0	90.0

U 8 Carbon Units Siloxane Gas Cleaning System

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	ACT CARB 1	Activated Carbon Vessel 1 for Siloxane Removal	Normal - Steady State	E801	CD4 (P)	PT801		0.0	8,760.0	A	0.0	350.0	0.0	100.0
OS2	ACT CARB 2	Activated Carbon Vessel 2 for Siloxane Removal	Normal - Steady State	E802	CD4 (P)	PT801		0.0	8,760.0	A	0.0	350.0	0.0	100.0
OS3	ACT CARB 3	Activated Carbon Vessel 3 for Siloxane Removal	Normal - Steady State	E803	CD4 (P)	PT801		0.0	8,760.0	A	0.0	350.0	0.0	100.0
OS4	CARB Hopper	Carbon Loading Hopper	Normal - Steady State	E804	CD4 (P)	PT801		0.0	8,760.0	A	0.0	350.0	0.0	100.0