



State of New Jersey

PHILIP D. MURPHY
Governor

TAHESHA L. WAY
Lt. Governor

DEPARTMENT OF ENVIRONMENTAL PROTECTION

AIR, ENERGY AND MATERIALS SUSTAINABILITY
Division of Air Quality and Radiation Protection
Bureau of Stationary Sources
401 E. State Street, 2nd floor, P.O. Box 420, Mail Code 401-02
Trenton, NJ 08625-0420

SHAWN M. LATOURETTE
Commissioner

Air Pollution Control Operating Permit Renewal

Permit Activity Number: BOP200001

Program Interest Number: 35832

Mailing Address	Plant Location
Chris Galvin General Manager COE BRIDGEWATER LLC 1021 US Highway 202/206 Bridgewater, NJ 08807	COE BRIDGEWATER LLC 1021 Rt 202/206 Bridgewater Twp Somerset County

Initial Operating Permit Approval Date: December 18, 2001

Operating Permit Approval Date: Draft

Operating Permit Expiration Date: December 17, 2021

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.

Pursuant to N.J.A.C. 7:27-22.33, all preconstruction approvals are being incorporated in this operating permit.

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

PERMIT SHIELD

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

COMPLIANCE SCHEDULES

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

COMPLIANCE CERTIFICATIONS AND DEVIATION REPORTS

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

ACCESSING PERMITS

The facility's current approved operating permit and any previously issued permits (e.g. superseded, expired, or terminated) are available for download in PDF format at: 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

HELPLINE

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

RENEWING YOUR OPERATING PERMIT AND APPLICATION SHIELD

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

COMPLIANCE ASSURANCE MONITORING

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

ADMINISTRATIVE HEARING REQUEST

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

If you have any questions regarding this permit approval, please call Patrick Marshall at (609) 940-5684.

Approved by:

Sunila Agrawal

Enclosure

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

Facility Name: COE BRIDGEWATER LLC
Program Interest Number: 35832
Permit Activity Number: BOP200001

TABLE OF CONTENTS

<u>Section A</u>	POLLUTANT EMISSIONS SUMMARY
<u>Section B</u>	GENERAL PROVISIONS AND AUTHORITIES
<u>Section C</u>	STATE-ONLY APPLICABLE REQUIREMENTS
<u>Section D</u>	FACILITY SPECIFIC REQUIREMENTS AND INVENTORIES
	<ul style="list-style-type: none">• FACILITY SPECIFIC REQUIREMENTS – PAGE INDEX• REASON FOR APPLICATION• FACILITY SPECIFIC REQUIREMENTS (COMPLIANCE PLAN)• FACILITY PROFILE (ADMINISTRATIVE INFORMATION)• INSIGNIFICANT SOURCE EMISSIONS• EQUIPMENT INVENTORY• EQUIPMENT DETAILS• EMISSION POINT INVENTORY• EMISSION UNIT / BATCH PROCESS INVENTORY• SUBJECT ITEM GROUP INVENTORY

Section A

Facility Name: COE BRIDGEWATER LLC
Program Interest Number: 35832
Permit Activity Number: BOP200001

POLLUTANT EMISSIONS SUMMARY

Table 1: Total emissions from all Significant Source Operations¹ at the facility.

Facility's Potential Emissions from all Significant Source Operations (tons per year)										
Source Categories	VOC (total)	NO _x	CO	SO ₂	TSP (total)	PM ₁₀ (total)	PM _{2.5} (total)	Pb	HAPs* (total)	CO ₂ e ²
Emission Units Summary	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Batch Process Summary	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Group Summary	14.7	100.4	59.4	46.2	16.7	16.7	16.7	NA	1.61	
Total Emissions	14.7	100.4	59.4	46.2	16.7	16.7	16.7	NA	1.61	133,400

Table 2: Estimate of total emissions from all Insignificant Source Operations¹ 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	1.000	NA	NA	NA	0.200	0.500	NA	NA	NA
Non-Source Fugitive Emissions	NA	NA	NA	NA	NA	NA	NA	NA	NA

VOC: Volatile Organic Compounds

NO_x: Nitrogen Oxides

CO: Carbon Monoxide

SO₂: Sulfur Dioxide

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).

TSP: Total Suspended Particulates

Other: Any other air contaminant

regulated under the Federal CAA

PM₁₀: Particulates under 10 microns

PM_{2.5}: Particulates under 2.5 microns

Pb: Lead

HAPs: Hazardous Air Pollutants

CO₂e: Carbon Dioxide equivalent

*Emissions of individual HAPs are provided in Table 3 on the next page.

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

¹ Significant Source Operations and Insignificant Source Operations are defined at N.J.A.C. 7:27-22.1.

² Total CO₂e emissions for the facility.

Section A

Facility Name: COE BRIDGEWATER LLC
Program Interest Number: 35832
Permit Activity Number: BOP200001

POLLUTANT EMISSIONS SUMMARY

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

HAP	TPY
1,3 Butadiene	0.0038
7,12- Dimethylbenz(a)anthracene	0.0000129
Formaldehyde	0.34
Arsenic	0.00305
Acrolein	0.00253
Benzene	0.0133
Beryllium	0.000075
Cadmium	0.00127
Chromium VI	0.00008
Cobalt	0.00203
Lead	0.00332
Manganese	0.0249
Naphthalene	0.00838
Nickel	0.0297
POM	0.0095

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

Other Air Contaminant	TPY
N/A	

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

Section B

Facility Name: COE BRIDGEWATER LLC

Program Interest Number: 35832

Permit Activity Number: BOP200001

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 an affirmative defense, consistent with General Provision #10 below, 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.
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. The permittee may not assert an affirmative defense to penalty liability for non-compliance with a provision or condition of the operating permit that is based on any federally delegated regulation, including but not limited to NSPS, NESHAP, or MACT. An affirmative defense to penalty liability for non-compliance with a provision or condition of the operating permit may be asserted by a permittee if:
 - a. The provision or condition of the operating permit is based solely on State or local law; and
 - b. The affirmative defense is asserted and established as required by N.J.S.A. 26:2C-19.1 through 19.5.
11. In the event of a challenge to any part of this operating permit, all other parts of the permit shall continue to be valid. [N.J.A.C. 7:27-22.16(f)]
12. Each owner and each operator of any facility, source operation, or activity to which this permit applies is responsible for ensuring compliance with all requirements of N.J.A.C. 7:27-22. If the owner and operator are separate persons, or if there is more than one owner or operator, each owner and each operator is jointly and severally liable for any fees due under N.J.A.C. 7:27-22, and for any penalties for violation of N.J.A.C. 7:27-22. [N.J.A.C. 7:27-22.3]
13. The permittee shall ensure that no air contaminant is emitted from any significant source operation at a rate, calculated as the potential to emit, that exceeds the applicable threshold for reporting emissions set forth in the Appendix to N.J.A.C. 7:27-22 or 7:27-17.9(a), unless emission of the air contaminant is authorized by this operating permit. [N.J.A.C. 7:27-22.3(c)]
14. Consistent with the provisions of N.J.A.C. 7:27-22.3(e), the permittee shall ensure that all requirements of this operating permit are met. In the event that there are multiple emission limitations, monitoring, recordkeeping, and/or reporting requirements for a given source operation, the facility must comply with all requirements, including the most stringent.
15. Consistent with the provisions of N.J.A.C. 7:27-22.3(s), Except as otherwise provided in this subchapter, the submittal of any information or application by a permittee including, but not limited to, an application or notice for any change to the operating permit, including any administrative amendment, any minor or significant modification, renewal, a notice of a seven-day notice change, a notice of past or anticipated noncompliance, does not stay any operating permit condition, nor relieve a permittee from the obligation to obtain other necessary permits and to comply with all applicable Federal, State, and local requirements.
16. Applicable requirements derived from an existing or terminated consent decree with EPA will not be changed without advance consultation by the Department with EPA. N.J.A.C. 7:27-22.3(uu).
17. Unless specifically exempted from permitting, temporary mobile equipment for short-term activities may be periodically used at major facilities, on site for up to 90 days if the requirements listed below, (a) through (h) are satisfied.
 - a. The permittee will ensure that the temporary mobile equipment will not be installed permanently or used permanently on site.

- b. The permittee will ensure that the temporary mobile equipment will not circumvent any State or Federal rules and regulations, even for a short period of time, and the subject equipment will comply with all applicable performance standards.
 - c. The permittee cannot use temporary mobile equipment unless the owner or operator of the subject equipment has obtained and maintains an approved Air Pollution Control Permit, issued pursuant to N.J.A.C. 7:27-8 or 22, prior to bringing the temporary mobile equipment to operate at the major facility.
 - d. The permittee is responsible for ensuring the temporary mobile equipment's compliance with the terms and conditions specified in its approved Air Pollution Control Permit when the temporary mobile equipment operates on the property of the permittee.
 - e. The permittee will ensure that temporary mobile equipment utilized for short-term activities will not operate on site for more than a total of 90 days during any calendar year.
 - f. The permittee will keep on site a list of temporary mobile equipment being used at the facility with the start date, end date, and record of the emissions from all such equipment (amount and type of each air contaminant) no later than 30 days after the temporary mobile equipment completed its job in accordance with N.J.A.C. 7:27-22.19(i)3.
 - g. Emissions from the temporary mobile equipment must be included in the emission netting analysis required of the permittee by N.J.A.C. 7:27-18.7. This information is maintained on site by the permittee and provided to the Department upon request in accordance with existing applicable requirements in the FC Section of its Title V permit.
 - h. Where short-term activities (employing temporary mobile equipment) will reoccur on at least an annual basis, the permittee is required to include such activities (and the associated equipment) within one year of the first use, in its Title V permit through the appropriate modification procedures.
18. Consistent with the provisions of N.J.A.C. 7:27-22.9(c), the permittee shall use monitoring of operating parameters, where required by the compliance plan, as a surrogate for direct emissions testing or monitoring, to demonstrate compliance with applicable requirements.
19. The permittee is responsible for submitting timely and administratively complete operating permit applications:
- Administrative Amendments [N.J.A.C. 7:27-22.20(c)];
 - Seven-Day Notice changes [N.J.A.C. 7:27-22.22(e)];
 - Minor Modifications [N.J.A.C. 7:27-22.23(e)];
 - Significant Modifications [N.J.A.C. 7:27-22.24(e)]; and
 - Renewals [N.J.A.C. 7:27-22.30(b)].
20. The operating permit renewal application consists of a RADIUS application and the application attachment available at the Department's website <https://dep.nj.gov/boss/applications-and-forms/> (Attachment to the RADIUS Operating Permit Renewal Application). Both the RADIUS application and the Application Attachment, along with any other supporting documents must be submitted using the Department's Portal at: <https://njdeponline.com/>. The application is considered timely if it is received at least 12 months before the expiration date of the operating permit. To be deemed administratively complete, the renewal application shall include all information required by the application form for the renewal and the information required pursuant to N.J.A.C. 7:27-22.30(d). However, consistent with N.J.A.C. 7:27-22.30(c), the permittee is encouraged to submit the renewal application at least 15 months prior to expiration of the operating permit, so that any deficiencies can be identified and addressed to ensure that the application is administratively complete by the renewal deadline. Only renewal applications which are timely and administratively complete are eligible for an application shield.
21. For all source emissions testing performed at the facility, the phrase "worst case conditions without creating an unsafe condition" used in the enclosed compliance plan is consistent with EPA's National Stack

Testing Guidance, dated April 27, 2009, where all source emission testing performed at the facility shall be under the representative (normal) conditions that:

- a. 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
 - b. 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. Any emission limit values in an operating permit shall be interpreted to be followed by inherent trailing zeros (0) in the decimal portion of the limit to three significant figures (e.g. a printed limit of "1 lb/hr" means a limit of "1.00 lb/hr") except for concentration limits less than 10 parts per million (ppm). For such concentration limits, the emission limit shall be interpreted to be followed by inherent trailing zeros (0) in the decimal portion of the limit to two significant figures (e.g. a printed limit of "1 ppm" means a limit of "1.0 ppm").
 26. Testing every five years shall be defined as no later than the end of the 60th month after the first required and each subsequent stack test was completed for the new or modified source.

Section C

Facility Name: COE BRIDGEWATER LLC

Program Interest Number: 35832

Permit Activity Number: BOP200001

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:

<u>SECTION</u>	<u>SUBJECT ITEM</u>	<u>ITEM #</u>	<u>REF. #</u>
B	---	1	---
B	---	10b	---
D	FC	---	3
D	FC	---	9

Section D

Facility Name: COE BRIDGEWATER LLC

Program Interest Number: 35832

Permit Activity Number: BOP200001

FACILITY SPECIFIC REQUIREMENTS AND INVENTORIES

FACILITY SPECIFIC REQUIREMENTS PAGE INDEX

<u>Subject Item and Name</u>	<u>Page Number</u>
------------------------------	--------------------

Facility (FC):

FC	1
----	---

Insignificant Sources (IS):

IS NJID	IS Description	
IS6	Oil Water Separator(s) (<50 lb/hr wastewater processed)	7
IS7	Five (5) Distillate Fuel Oil Aboveground Storage Tanks which have capacities > 10,000 gallons	8

Groups (GR):

GR NJID	GR Designation	GR Description	
GR4	Equipment	Facility-specific emissions averaging program	10

Emission Units (U):

U NJID	U Designation	U Description	
U1	B-1 B-2 B-3	Boilers #1, #2, #3 (39.96 MMBtu/hr each) Natural Gas and #2 Fuel Oil, each boiler with a separate stack.	16
U9	Emerg Gnrts	Six Emergency Generators, each with seperate emission points.	38
U17	C-1 Cogen.	Cogeneration System (Turbine NG and Oil and Duct Burner NG)	56
U18	Boiler #5	Boiler #5 (72.26 MMBtu/hr) Natural Gas and #2 Fuel Oil	84

COE BRIDGEWATER LLC (35832)
BOP200001

Date:6/11/2025

New Jersey Department of Environmental Protection
Reason for Application

Permit Being Modified

Permit Class: BOP **Number:** 210003

Description COE Bridgewater LLC c/o Thor Equities, LLC ("Thor Equities") submits the enclosed
of Modifications: application to renew the Title V Operating Permit for the Bridgewater, NJ facility.

Please see the cover letter for additional details.

BOP200001

**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.

BOP200001

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Subject Item: IS6 Oil Water Separator(s) (<50 lb/hr wastewater processed)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	No person shall cause, suffer, allow, or permit the use of any oil-water separator unless such separator is covered with a lid while containing any VOC. Sections of oil-water separators containing essential powered mechanical devices operating above the liquid level are not subject to this provision [N.J.A.C. 7:27-16.6(n)]	None.	None.	None.
2	Maximum concentration in the wastewater of any TXS and any VOC shall be less than 100 ppbw and 3,500 ppbw respectively [N.J.A.C. 7:27-22.1]	None.	None.	None.

BOP200001

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Subject Item: IS7 Five (5) Distillate Fuel Oil Aboveground Storage Tanks which have capacities > 10,000 gallons

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	The operating temperature of the tanks 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 tanks or vessels 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 tanks or vessels 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 tanks or vessels shall not be subject to any NESHAPS, MACT, or NSPS air pollution control standards, excluding the NSPS requirements to maintain a record of the contents of the tank or vessel, 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 tanks' or vessels' potential to emit each TXS and each HAP shall not exceed the de minimis reporting thresholds as specified in Appendix to N.J.A.C. 7:27-22. [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 tanks, or mixed or blended in the vessels, 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 tanks; (2) affirms that the tanks or vessels meet the above applicable requirements and (3) attests that the tanks or vessels are in compliance with all other applicable State or federal air pollution requirements. [N.J.A.C. 7:27-22.1]	None.	None.	None.

BOP200001

New Jersey Department of Environmental Protection
Facility Specific Requirements

Subject Item: GR4 Facility-specific emissions averaging program

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	VOC (Total) <= 14.68 tons/yr. [N.J.A.C. 7:27-22.28B(d)1]	VOC (Total): Monitored by calculations daily, based on a consecutive 365 day period (rolling 1 day basis). [N.J.A.C. 7:27-22.28B(d)2]	<p>VOC (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system daily. The permittee shall maintain the following records:</p> <p>1) Actual emissions of each source operation per each calendar day (tons/day);</p> <p>2) The total emissions collectively from all source operations in the Group GR4 per each calendar day (tons/day); and</p> <p>3) The total emissions collectively from all source operations in the Group GR4 per each consecutive 365-day period (tons/year).</p> <p>All records created in a calendar day shall be maintained on site for five additional calendar years, and made available to the Department for review, upon request. [N.J.A.C. 7:27-22.28B(f)2]</p>	None.
2	CO <= 59.41 tons/yr. [N.J.A.C. 7:27-22.28B(d)1]	CO: Monitored by calculations daily, based on a consecutive 365 day period (rolling 1 day basis). [N.J.A.C. 7:27-22.28B(d)2]	<p>CO: Recordkeeping by manual logging of parameter or storing data in a computer data system daily. The permittee shall maintain the following records:</p> <p>1) Actual emissions of each source operation per each calendar day (tons/day);</p> <p>2) The total emissions collectively from all source operations in the Group GR4 per each calendar day (tons/day); and</p> <p>3) The total emissions collectively from all source operations in the Group GR4 per each consecutive 365-day period (tons/year).</p> <p>All records created in a calendar day shall be maintained on site for five additional calendar years, and made available to the Department for review, upon request. [N.J.A.C. 7:27-22.28B(f)2]</p>	None.

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
3	NO _x (Total) ≤ 100.35 tons/yr. [N.J.A.C. 7:27-22.28B(d)1]	NO _x (Total): Monitored by calculations daily, based on a consecutive 365 day period (rolling 1 day basis). [N.J.A.C. 7:27-22.28B(d)2]	NO _x (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system daily. The permittee shall maintain the following records: 1) Actual emissions of each source operation per each calendar day (tons/day); 2) The total emissions collectively from all source operations in the Group GR4 per each calendar day (tons/day); and 3) The total emissions collectively from all source operations in the Group GR4 per each consecutive 365-day period (tons/year). All records created in a calendar day shall be maintained on site for five additional calendar years, and made available to the Department for review, upon request. [N.J.A.C. 7:27-22.28B(f)2]	None.
4	TSP ≤ 16.67 tons/yr. [N.J.A.C. 7:27-22.28B(d)1]	TSP: Monitored by calculations daily, based on a consecutive 365 day period (rolling 1 day basis). [N.J.A.C. 7:27-22.28B(d)2]	TSP: Recordkeeping by manual logging of parameter or storing data in a computer data system daily. The permittee shall maintain the following records: 1) Actual emissions of each source operation per each calendar day (tons/day); 2) The total emissions collectively from all source operations in the Group GR4 per each calendar day (tons/day); and 3) The total emissions collectively from all source operations in the Group GR4 per each consecutive 365-day period (tons/year). All records created in a calendar day shall be maintained on site for five additional calendar years, and made available to the Department for review, upon request. [N.J.A.C. 7:27-22.28B(f)2]	None.

BOP200001

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
5	PM-10 (Total) <= 16.67 tons/yr. [N.J.A.C. 7:27-22.28B(d)1]	PM-10 (Total): Monitored by calculations daily, based on a consecutive 365 day period (rolling 1 day basis). [N.J.A.C. 7:27-22.28B(d)2]	PM-10 (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system daily. The permittee shall maintain the following records: 1) Actual emissions of each source operation per each calendar day (tons/day); 2) The total emissions collectively from all source operations in the Group GR4 per each calendar day (tons/day); and 3) The total emissions collectively from all source operations in the Group GR4 per each consecutive 365-day period (tons/year). All records created in a calendar day shall be maintained on site for five additional calendar years, and made available to the Department for review, upon request. [N.J.A.C. 7:27-22.28B(f)2]	None.
6	SO2 <= 46.2 tons/yr. [N.J.A.C. 7:27-22.28B(d)1]	SO2: Monitored by calculations daily, based on a consecutive 365 day period (rolling 1 day basis). [N.J.A.C. 7:27-22.28B(d)2]	SO2: Recordkeeping by manual logging of parameter or storing data in a computer data system daily. The permittee shall maintain the following records: 1) Actual emissions of each source operation per each calendar day (tons/day); 2) The total emissions collectively from all source operations in the Group GR4 per each calendar day (tons/day); and 3) The total emissions collectively from all source operations in the Group GR4 per each consecutive 365-day period (tons/year). All records created in a calendar day shall be maintained on site for five additional calendar years, and made available to the Department for review, upon request. [N.J.A.C. 7:27-22.28B(f)2]	None.

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	The permittee shall maintain an emissions log on a daily basis for the total actual emissions collectively, from all source operations in the group subject to the emission cap and each air contaminant in tons/day. [N.J.A.C. 7:27-22.28B(d)2]	<p>Monitored by calculations daily, based on one calendar day. The following formula shall be used to calculate daily actual emissions from all source operations collectively, and each air contaminant(tons/day):</p> <p>Total actual emissions from all source operations/air contaminant (tons/day) = $\{[E1(\text{tons/day}) + E2(\text{tons/day}) + E3(\text{tons/day}) + E23(\text{tons/day})] + [E9(\text{tons/day}) + E10(\text{tons/day}) + E12(\text{tons/day}) + E14(\text{tons/day}) + E22(\text{tons/day}) + E19(\text{tons/day}) + [E24(\text{tons/day}) + E18(\text{tons/day})]\}$</p> <p>Actual emissions of air contaminant for any 365 consecutive days (tons/year) is calculated by the sum of the actual emission (tons/day), as calculated above, during any one day added to the sum of actual emissions during the preceding 364 days. [N.J.A.C. 7:27-22.28B(d)2]</p>	<p>Recordkeeping by manual logging of parameter or storing data in a computer data system daily.</p> <p>Actual emissions of air contaminant for any 365 consecutive days (tons/year) is calculated by the sum of the actual emission (tons/day) during any one day added to the sum of actual emissions during the preceding 364 days. This procedure will begin with the first full day following the final issuance of the operating permit renewal. This accounting will not include actual emissions during days prior to the approval of this operating permit renewal.</p> <p>All records created in a calendar year shall be maintained on site for five additional calendar years, and made available to the Department for review, upon request. [N.J.A.C. 7:27-22.28B(f)2]</p>	None.

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
8	The permittee shall record the amount of fuel combusted in each source operation each operating day. [N.J.A.C. 7:27-22.16(a)]	<p>Monitored by fuel usage totalizing meter continuously for each combustion equipment (E1- Boiler #1, E2-Boiler #2, E3-Boiler #3 and E23- Boiler #5, E24-Turbine and E18-Duct Burner)</p> <p>Fuel monitoring for the following emergency generators by bill of lading, heat input and hours of operation: E9-Emergency Gen. #1, E10-Emergency Gen. #2, E12-Emergency Gen. #4, E14-Emergency Gen. #5, E22-Emergency Gen. #6, E19-Emergency Gen. #7.</p> <p>The permittee shall calibrate and maintain the fuel usage totalizing meter in accordance with the manufacturer's specification for boilers, turbine, and duct burner. The fuel usage totalizing meter shall be ranged such that the allowable value is approximately mid-scale of the full range of current/voltage output. The fuel usage totalizing meter must conform to the specification at 40 CFR 75. Specifically, the totalizing meter shall meet the basic accuracy specification, which is 2% of the full-scale i.e. upper range value (URV). [N.J.A.C. 7:27-22.16(o)]</p>	Recordkeeping by data acquisition system (DAS) / electronic data storage daily. The permittee shall install the data acquisition system (DAS) or computer data storage system within 30 days after the approval of this operating permit renewal. All records created in a calendar year shall be maintained on site for five additional years, and made available to the Department for review, upon request. [N.J.A.C. 7:27-22.16(o)]	None.
9	Butadiene (1,3-) <= 0.0038 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
10	Acrolein <= 0.00253 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
11	Benzene <= 0.0133 tons/yr. [N.J.A.C. 7:27-16(a)]	None.	None.	None.
12	Arsenic compounds <= 0.00305 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
13	Cadmium compounds <= 0.00127 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
14	Cobalt Emissions <= 0.00203 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

BOP200001

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
15	Dimethylbenz(a)anthracene (7,12-) <= 0.0000129 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
16	Formaldehyde <= 0.34 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
17	Manganese Emissions <= 0.0249 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
18	Nickel Emissions <= 0.0297 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
19	Polycyclic organic matter <= 0.0095 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
20	Lead Emissions <= 0.00332 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
21	Naphthalene <= 0.00838 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
22	Beryllium compounds <= 0.000075 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
23	Chromium (hexavalent) Concentration in Fuel <= 0.0000831 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

BOP200001

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Emission Unit: U1 Boilers #1, #2, #3 (39.96 MMBtu/hr each) Natural Gas and #2 Fuel Oil, each boiler with a separate stack.

Operating Scenario: OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Summary of Applicable Federal Regulations: 40 CFR Part 60 Subpart A 40 CFR Part 60 Subpart Dc. [40 CFR Federal Rules Summary]	None.	None.	None.
2	Additional requirements for the Boilers # 1-3 are listed under subject item GR4. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	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.
4	The permittee shall record the amount of fuel combusted for each source operation for this emission unit each operating day. [N.J.A.C. 7:27-22.16(a)]	Monitored by fuel usage totalizing meter continuously for each boiler (E1- Boiler #1, E2-Boiler #2 and E3-Boiler #3) in this emission unit. The permittee shall calibrate and maintain the fuel usage totalizing meter in accordance with the manufacturer's specification. The fuel usage totalizing meter must conform to the specification at 40 CFR 75. Specifically, the totalizing meter shall meet the basic accuracy specification, which is 2% of the full-scale i.e. upper range value (URV). [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by data acquisition system (DAS) / electronic data storage continuously. Daily fuel usage (for natural gas or No. 2 fuel oil) for each boiler for this emission unit as specified in subject item GR4. [N.J.A.C. 7:27-22.16(o)]	None.
5	All requests, reports, applications, submittals, and other communications required by 40 CFR 60 shall be submitted in duplicate to the EPA Region II Administrator. Submit information to: Director, Air and Waste Management Division, US Environmental Protection Agency, Region II, 290 Broadway, New York, NY 10007-1866. NSPS Subpart A. [40 CFR 60.4(a)]	None.	None.	Other (provide description): Submit a report to EPA Region II as required by 40 CFR 60. [40 CFR 60.4(a)]

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
6	Submit copy of all requests, reports, applications, submittals, and other communication required by 40 CFR 60 to the Northern Regional Enforcement Office of NJDEP. Submit to: Northern Regional Office, Air & Environmental Quality Compliance & Enforcement, 7 Ridgedale Avenue, Cedar Knolls, NJ 07927. NSPS Subpart A [40 CFR 60.4(b)]	None.	None.	Other (provide description): Submit a report to the Northern Regional Office as required by 40 CFR 60. [40 CFR 60.4(b)]
7	Notify the Administrator of any physical or operational change, which may increase the emission rate of any air pollutant at least 60 days before the change. A notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless that change is specifically exempted under an applicable subpart or in 40 CFR 60.14(e). This notice shall be postmarked 60 days or as soon as practicable before the change is commenced and shall include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. NSPS Subpart A. [40 CFR 60.7(a)(4)]	None.	None.	Other (provide description): Prior to occurrence of event submit notification to EPA Region II and the Northern Regional Office per 40 CFR 60.7. [40 CFR 60.7(a)(4)]
8	Maintain records of the occurrence and duration of equipment startups, shutdowns, or malfunction. Any owner or operator subject to the provisions of this part shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a monitoring device is inoperative. NSPS Subpart A [40 CFR 60.7(b)]	None.	Other: Manual Logging of Parameter or by electronic data storage. Upon occurrence of event.[40 CFR 60.7(b)].	None.

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
9	Performance tests shall be conducted under conditions the Administrator specifies to the plant operator based on representative performance of the affected facility. Operations during periods of startup, shutdown and malfunction shall not constitute representative conditions for the purpose of the performance test nor shall emissions in excess of the level of the applicable emission limit be considered a violation of the applicable emission limit unless otherwise specified in the applicable standard. [40 CFR 60.8(c)]	None.	None.	None.
10	The NSPS opacity standard shall apply at all times except during periods of startup, shutdown, malfunctions and as otherwise provided in the applicable standard. [40 CFR 60.11(c)]	None.	None.	None.
11	Maintain and operate the plant's air pollution control equipment at all times. At all times, including periods of startup, shutdown, and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source. NSPS Subpart A. [40 CFR 60.11(d)]	None.	None.	None.

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
12	For the purpose of demonstrating initial compliance, opacity observations shall be conducted concurrently with the initial performance test required in 40 CFR Part 60.8. If no performance test under 60.8 is required to be performed, then opacity observations shall be conducted within 60 days after achieving the maximum production rate at which the affected facility will be operated but no later than 180 days after initial startup of the facility. [40 CFR 60.11(e)(1)]	Other: Visual determination in accordance with EPA Method 9. Once initially, and as established in accordance with 40 CFR 60.47c(a).[40 CFR 60.11(e)(1)].	Other: Recordkeeping by manual logging of observations. Once initially, and as established in accordance with 40 CFR 60.47c(a). The owner or operator of an affected facility shall make available, upon request by the Administrator, such records as may be necessary to determine the conditions under which the visual observations were made and shall provide evidence indicating proof of current visible observer emission certification.[40 CFR 60.11(e)(1)].	Submit a report: At a common schedule agreed upon by the operator and the Administrator. The owner or operator shall report to the Administrator and the Northern Regional Enforcement Office of NJDEP the opacity results along with the results of the initial performance tests required under 40 CFR 60.8. [40 CFR 60.11(e)(1)]
13	Except as provided in 40 CFR 60.11(e)(3), the owner or operator of an affected facility to which an opacity standard in 40 CFR 60 applies shall conduct opacity observations in accordance with 40 CFR 60.11(b), shall record the opacity of emissions, and shall report to the Administrator the opacity results along with the results of the initial performance test required under 40 CFR 60.8. The inability of an owner or operator to secure a visible emissions observer shall not be considered a reason for not conducting the opacity observations concurrent with the initial performance test. [40 CFR 60.11(e)(2)]	Other: Visual determination in accordance with EPA Method 9. Once initially, and as established in accordance with 40 CFR 60.47c(a).[40 CFR 60.11(e)(2)].	Other: Recordkeeping by manual logging of observations. Once initially, and as established in accordance with 40 CFR 60.47c(a).[40 CFR 60.11(e)(2)].	Submit a report: At a common schedule agreed upon by the operator and the Administrator. The owner or operator shall report to the Administrator and the Northern Regional Enforcement Office of NJDEP the opacity results along with the results of the initial performance tests required under 40 CFR 60.8. [40 CFR 60.11(e)(2)]

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
14	The permittee shall not conceal an emission, which would otherwise constitute a violation of an applicable standard. No owner or operator subject to the provisions of this part shall build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere. NSPS Subpart A. [40 CFR 60.12]	None.	None.	None.
15	Changes in time periods for submittal of information and postmark deadlines set forth in 40 CFR 60, may be made only upon approval by the Administrator and shall follow procedures outlined in 40 CFR Part 60.19. [40 CFR 60.19]	None.	None.	None.
16	Opacity <= 20 % , except for one 6-minute period per hour of not more than 27 percent opacity. The opacity standards under 40 CFR 60.43c apply at all times, except during periods of startup, shutdown, or malfunction. [40 CFR 60.43c(c)] and. [40 CFR 60.43c(d)]	Opacity: Monitored by visual determination at the approved frequency, based on 6 minute blocks in accordance with EPA Method 9 in Appendix A of 40 CFR 60. [40 CFR 60.45c(a)]	Opacity: Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. [40 CFR 60.48c(c)]	Submit a report: Semi-annually on January 31 and July 31 of each year. The owner or operator shall submit to the Administrator and the Northern Regional Enforcement Office of NJDEP the performance test data from the initial and any subsequent performance tests. [40 CFR 60.48c(b)] &. [40 CFR 60.8]
17	The owner or operator shall record the amount of each fuel combusted in each boiler each operating day. NSPS Subpart Dc. [40 CFR 60.48c(g)]	Other: Fuel Flow/Firing Rate Instrument. Continuously.[40 CFR 60.48c(g)].	Other: Manual Logging of Parameter (Permanently Bound) or by electronic data storage. Daily. The owner or operator of each affected facility shall record and maintain records of the amounts of each fuel combusted during each day.[40 CFR 60.48c(g)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: U1 Boilers #1, #2, #3 (39.96 MMBtu/hr each) Natural Gas and #2 Fuel Oil, each boiler with a separate stack.
Operating Scenario: OS1 Boiler #1 operating with natural gas, OS3 Boiler #2 operating with natural gas

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 9.9 lb/hr. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
2	<p>The permittee shall adjust the combustion process for the boiler annually in the same quarter of each calendar year. The permittee shall:</p> <ol style="list-style-type: none"> Inspect the burner, and clean or replace any components of the burner as necessary; Inspect the flame pattern and make any adjustments to the burner necessary to optimize the flame pattern consistent with the manufacturer's specifications; Inspect the system controlling the air-to-fuel ratio, and ensure that it is correctly calibrated and functioning properly; and Minimize total emissions of NOx and CO consistent with the manufacturer's specifications. <p>[N.J.A.C. 7:27-16.8(b)3 & [N.J.A.C. 7:27-19.7(g)3]</p>	<p>Monitored by periodic emission monitoring annually. When conducting a combustion adjustment, the permittee shall:</p> <ol style="list-style-type: none"> Measure the concentration in the effluent stream of NOx and CO in ppmvd, before and after the adjustment is made; and; Convert the emission values of the NOx and CO concentrations to pounds per million BTU (lb/MM BTU) according to the formula: $\text{lb/MM BTU} = \text{ppmvd} \times \text{MW} \times \text{F dry factor} \times \text{O}_2 \text{ correction factor} / 387,000,000$ <p>Where: ppmvd is the concentration in parts per million by volume, dry basis, of NOx or CO</p> <p>MW is the Molecular Weight for:</p> <p>NOx = 46 lb/lb-mole; CO = 28 lb/lb-mole</p> <p>F dry factor for:</p> <p>Natural gas = 8,710 dscf/MM BTU</p> <p>Residual or fuel oil = 9,190 dscf/MM BTU</p> <p>O2 correction factor: (20.9%) / (20.9% - O2 measured)</p> <p>O2 measured is percent oxygen on a dry basis. [N.J.A.C. 7:27-19.16(a)]</p>	<p>Recordkeeping by manual logging of parameter or storing data in a computer data system annually 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:</p> <ol style="list-style-type: none"> The date of the adjustment and the times at which it began and ended; The name, title and affiliation of the person whom made the adjustment; The NOx and CO concentrations in the effluent stream, in ppmvd, before and after each actual adjustment was made; The concentration of O2 (in percent dry basis) at which the CO and NOx concentrations were measured; A description of any corrective action taken; Results from any subsequent test performed after taking any corrective action, including concentrations and converted emission values in pounds per million BTU (lb/MMBTU); and The type and amount of fuel used over the 12 months prior to the annual adjustment. [N.J.A.C. 7:27-19.16(b)] 	<p>Submit a report: within 45 days after the adjustment of the combustion process is completed. The report shall be submitted electronically through www.njdeponline.com. The report shall contain the following information:</p> <ol style="list-style-type: none"> The concentration of NOx and CO in the effluent stream in ppmvd, and O2, in percent dry basis, measured before and after the adjustment of the combustion process; The converted emission values in lb/MMBTU for the measurements taken before and after the adjustment of the combustion process; A description of any corrective action taken as part of the combustion adjustment; and The type and amount of fuel used over the 12 months prior to the annual adjustment. [N.J.A.C. 7:27-19.16(d)]

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
3	The owner or operator of the adjusted equipment or source operation shall ensure that the operating parameter settings are established and recorded after the combustion process is adjusted and that the adjusted equipment or source operation is maintained to operate consistent with the annual adjustment. [N.J.A.C. 7:27-19.16(e)]	Other: Monitor and maintain the operating parameter settings that are established after the combustion process is adjusted in order to operate consistent with the annual adjustment. [N.J.A.C. 7:27-22.16(o)].	Recordkeeping by manual logging of parameter or storing data in a computer data system upon performing combustion adjustment. The owner or operator shall record the operating parameter settings that are established after the combustion process is adjusted. [N.J.A.C. 7:27-19.16(e)]	None.
4	VOC (Total) <= 0.1 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
5	VOC (Total) <= 50 ppmvd @ 7% O ₂ . [N.J.A.C. 7:27-16.8(b)1]	None.	None.	None.
6	NO _x (Total) <= 4.72 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	NO _x (Total) <= 0.12 lb/MMBTU based on the boiler being equipped with a dual fuel burner. [N.J.A.C. 7:27-19.7(i)1]	None.	None.	None.
8	CO <= 1.4 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
9	CO <= 100 ppmvd @ 7% O ₂ . [N.J.A.C. 7:27-16.8(b)2]	None.	None.	None.
10	TSP <= 0.2 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
11	PM-10 (Total) <= 0.2 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
12	Cobalt Emissions <= 0.00000324 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
13	Dimethylbenz(a)anthracene (7,12-) <= 6.17E-7 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
14	Formaldehyde <= 0.00289 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
15	Manganese Emissions <= 0.0000147 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
16	Nickel Emissions <= 0.000081 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
17	Maximum Gross Heat Input <= 39.36 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Maximum Gross Heat Input: Recordkeeping by production records each hour during operation. [N.J.A.C. 7:27-22.16(e)]	None.

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Emission Unit: U1 Boilers #1, #2, #3 (39.96 MMBtu/hr each) Natural Gas and #2 Fuel Oil, each boiler with a separate stack.

Operating Scenario: OS2 Boiler #1 operating with #2 fuel oil

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 9.9 lb/hr. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Sulfur Content in Fuel <= 15 ppmw (0.0015% by weight). [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 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**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
3	<p>The combustion source is not required to comply with the applicable NOx emission limits in N.J.A.C. 7:27-19, and the owner or operator is not required to adjust the combustion process described in N.J.A.C. 7:27-19.16, while fuel oil or other liquid fuel is burned. The owner or operator of this combustion source is eligible for this exemption only if the following requirements are met: 1) The owner or operator is not practicably able to obtain a sufficient amount of natural gas; 2) the owner or operator's inability to obtain natural gas due to circumstances beyond the control of the owner or operator, such as a natural gas curtailment; and 3) the combustion source ceases using fuel oil or other liquid fuel in place of natural gas and resumes using natural gas as soon as a sufficient supply of natural gas becomes practicably available. However, the owner or operator may periodically fire fuel oil or other liquid fuel for testing and maintenance. The owner or operator shall not fire fuel oil or other liquid fuel for 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 shown at the Department's air quality permitting web site at http://www.state.nj.us/dep/aqpp/aqforecast. [N.J.A.C. 7:27-22.16(a)], [N.J.A.C. 7:27-19.25(a)] and [N.J.A.C. 7:27-19.25(c)]</p>	None.	<p>Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. Maintain records that include the following: For curtailment periods, 1) information sufficient to identify each combustion source for which the owner or operator claims an exemption, including a brief description of the source, its location, its permit number and other identifying numbers, and any other information necessary to distinguish it from other equipment owned and operated by the facility; 2) a statement that the owner or operator is not practicably able to obtain a sufficient supply of natural gas; 3) the date and time at which the owner or operator first became practicably unable to obtain natural gas; and 4) a description of the circumstances causing the owner or operator's inability to obtain natural gas. For testing and maintenance periods, record the date and number of hours that fuel oil or other liquid fuel has been combusted for testing and maintenance. [N.J.A.C. 7:27-19.25(d)]</p>	<p>Submit a report: Annually by March 1 of each year for the preceding calendar year to the Regional Enforcement Office. The annual report shall include: 1) information sufficient to identify each combustion source for which the owner or operator claims an exemption, including a brief description of the source, its location, its permit number and other identifying numbers, and any other information necessary to distinguish it from other equipment owned and operated by the facility; 2) a statement that the owner or operator is not practicably able to obtain a sufficient supply of natural gas; 3) the date and time at which the owner or operator first became practicably unable to obtain natural gas; and 4) a description of the circumstances causing the owner or operator's inability to obtain natural gas. The annual report shall also include any violations which occurred during the previous year. If no violations occurred during the year, the owner or operator shall provide certification that no violations occurred and that the records are maintained at the facility. [N.J.A.C. 7:27-19.19(g)(2)] & [N.J.A.C. 7:27-19.25(d)]</p>

BOP200001

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
4	Hours of Operation While Firing Fuel Oil ≤ 500 hours per any 12 consecutive months. [N.J.A.C. 7:27-19.25(c)4]	None.	Hours of Operation While Firing Fuel Oil: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The permittee shall record the number of hours the fuel oil is combusted monthly and during each consecutive 12 month period. [N.J.A.C. 7:27-19.19(e)] and. [N.J.A.C. 7:27-19.19(f)]	None.
5	Hours of Operation While Firing Fuel Oil ≤ 48 hr/yr for periodic testing on liquid fuel to qualify as a gas-fired boiler as defined in MACT Subpart JJJJJ, 40 CFR 63.11237. [N.J.A.C. 7:27-22.16(a)]	None.	Hours of Operation While Firing Fuel Oil: 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.
6	VOC (Total) ≤ 0.06 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
7	NOx (Total) ≤ 5.6 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
8	CO ≤ 1.4 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
9	SO2 ≤ 0.06 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
10	TSP ≤ 0.6 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
11	Arsenic compounds ≤ 0.000366 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
12	Cadmium compounds ≤ 0.00011 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
13	Cobalt Emissions ≤ 0.00167 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
14	Nickel compounds ≤ 0.0234 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
15	Formaldehyde ≤ 0.00915 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
16	Manganese Emissions ≤ 0.000832 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
17	Maximum Gross Heat Input ≤ 39.36 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Maximum Gross Heat Input: Recordkeeping by production records each hour during operation. [N.J.A.C. 7:27-22.16(e)]	None.

BOP200001

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Emission Unit: U1 Boilers #1, #2, #3 (39.96 MMBtu/hr each) Natural Gas and #2 Fuel Oil, each boiler with a separate stack.

Operating Scenario: OS4 Boiler #2 operating with #2 fuel oil

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 9.9 lb/hr. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Sulfur Content in Fuel <= 15 ppmw (0.0015% by weight). [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 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**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
3	<p>The combustion source is not required to comply with the applicable NOx emission limits in N.J.A.C. 7:27-19, and the owner or operator is not required to adjust the combustion process described in N.J.A.C. 7:27-19.16, while fuel oil or other liquid fuel is burned. The owner or operator of this combustion source is eligible for this exemption only if the following requirements are met: 1) The owner or operator is not practicably able to obtain a sufficient amount of natural gas; 2) the owner or operator's inability to obtain natural gas due to circumstances beyond the control of the owner or operator, such as a natural gas curtailment; and 3) the combustion source ceases using fuel oil or other liquid fuel in place of natural gas and resumes using natural gas as soon as a sufficient supply of natural gas becomes practicably available. However, the owner or operator may periodically fire fuel oil or other liquid fuel for testing and maintenance. The owner or operator shall not fire fuel oil or other liquid fuel for 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 shown at the Department's air quality permitting web site at http://www.state.nj.us/dep/aqpp/aqforecast. [N.J.A.C. 7:27-22.16(a)], [N.J.A.C. 7:27-19.25(a)] and [N.J.A.C. 7:27-19.25(c)]</p>	None.	<p>Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. Maintain records that include the following: For curtailment periods, 1) information sufficient to identify each combustion source for which the owner or operator claims an exemption, including a brief description of the source, its location, its permit number and other identifying numbers, and any other information necessary to distinguish it from other equipment owned and operated by the facility; 2) a statement that the owner or operator is not practicably able to obtain a sufficient supply of natural gas; 3) the date and time at which the owner or operator first became practicably unable to obtain natural gas; and 4) a description of the circumstances causing the owner or operator's inability to obtain natural gas. For testing and maintenance periods, record the date and number of hours that fuel oil or other liquid fuel has been combusted for testing and maintenance. [N.J.A.C. 7:27-19.25(d)]</p>	<p>Submit a report: Annually by March 1 of each year for the preceding calendar year to the Regional Enforcement Office. The annual report shall include: 1) information sufficient to identify each combustion source for which the owner or operator claims an exemption, including a brief description of the source, its location, its permit number and other identifying numbers, and any other information necessary to distinguish it from other equipment owned and operated by the facility; 2) a statement that the owner or operator is not practicably able to obtain a sufficient supply of natural gas; 3) the date and time at which the owner or operator first became practicably unable to obtain natural gas; and 4) a description of the circumstances causing the owner or operator's inability to obtain natural gas. The annual report shall also include any violations which occurred during the previous year. If no violations occurred during the year, the owner or operator shall provide certification that no violations occurred and that the records are maintained at the facility. [N.J.A.C. 7:27-19.19(g)(2)] & [N.J.A.C. 7:27-19.25(d)]</p>

BOP200001

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
4	Hours of Operation While Firing Fuel Oil ≤ 500 hours per any 12 consecutive months. [N.J.A.C. 7:27-19.25(c)4]	None.	Hours of Operation While Firing Fuel Oil: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The permittee shall record the number of hours the fuel oil is combusted monthly and during each consecutive 12 month period. [N.J.A.C. 7:27-19.19(e)] and. [N.J.A.C. 7:27-19.19(f)]	None.
5	Hours of Operation While Firing Fuel Oil ≤ 48 hr/yr for periodic testing on liquid fuel to qualify as a gas-fired boiler as defined in MACT Subpart JJJJJ, 40 CFR 63.11237. [N.J.A.C. 7:27-22.16(a)]	None.	Hours of Operation While Firing Fuel Oil: 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.
6	VOC (Total) ≤ 0.06 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
7	NOx (Total) ≤ 5.6 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
8	CO ≤ 1.4 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
9	SO2 ≤ 0.06 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
10	TSP ≤ 0.6 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
11	PM-10 (Total) ≤ 0.6 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
12	Arsenic compounds ≤ 0.000366 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
13	Cadmium compounds ≤ 0.00011 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
14	Cobalt Emissions ≤ 0.00167 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
15	Chromium (Hexavalent) Emissions ≤ 0.0000687 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
16	Formaldehyde ≤ 0.00915 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
17	Manganese Emissions ≤ 0.000832 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
18	Nickel Emissions ≤ 0.0234 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

U1 Boilers #1, #2, #3 (39.96 MMBtu/hr each) Natural Gas and #2 Fuel Oil, e

BOP200001

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
19	Maximum Gross Heat Input <= 39.36 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Maximum Gross Heat Input: Recordkeeping by production records each hour during operation. [N.J.A.C. 7:27-22.16(e)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: U1 Boilers #1, #2, #3 (39.96 MMBtu/hr each) Natural Gas and #2 Fuel Oil, each boiler with a separate stack.
Operating Scenario: OS5 Boiler #3 operating with natural gas

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 9.9 lb/hr. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
2	<p>The permittee shall adjust the combustion process for the boiler annually in the same quarter of each calendar year. The permittee shall:</p> <ol style="list-style-type: none"> Inspect the burner, and clean or replace any components of the burner as necessary; Inspect the flame pattern and make any adjustments to the burner necessary to optimize the flame pattern consistent with the manufacturer's specifications; Inspect the system controlling the air-to-fuel ratio, and ensure that it is correctly calibrated and functioning properly; and Minimize total emissions of NOx and CO consistent with the manufacturer's specifications. <p>[N.J.A.C. 7:27-16.8(b)3 & [N.J.A.C. 7:27-19.7(g)3]</p>	<p>Monitored by periodic emission monitoring annually. When conducting a combustion adjustment, the permittee shall:</p> <ol style="list-style-type: none"> Measure the concentration in the effluent stream of NOx and CO in ppmvd, before and after the adjustment is made; and; Convert the emission values of the NOx and CO concentrations to pounds per million BTU (lb/MM BTU) according to the formula: $\text{lb/MM BTU} = \text{ppmvd} \times \text{MW} \times \text{F dry factor} \times \text{O}_2 \text{ correction factor} / 387,000,000$ <p>Where: ppmvd is the concentration in parts per million by volume, dry basis, of NOx or CO</p> <p>MW is the Molecular Weight for:</p> <p>NOx = 46 lb/lb-mole; CO = 28 lb/lb-mole</p> <p>F dry factor for:</p> <p>Natural gas = 8,710 dscf/MM BTU</p> <p>Residual or fuel oil = 9,190 dscf/MM BTU</p> <p>O2 correction factor: (20.9%) / (20.9% - O2 measured)</p> <p>O2 measured is percent oxygen on a dry basis. [N.J.A.C. 7:27-19.16(a)]</p>	<p>Recordkeeping by manual logging of parameter or storing data in a computer data system annually 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:</p> <ol style="list-style-type: none"> The date of the adjustment and the times at which it began and ended; The name, title and affiliation of the person whom made the adjustment; The NOx and CO concentrations in the effluent stream, in ppmvd, before and after each actual adjustment was made; The concentration of O2 (in percent dry basis) at which the CO and NOx concentrations were measured; A description of any corrective action taken; Results from any subsequent test performed after taking any corrective action, including concentrations and converted emission values in pounds per million BTU (lb/MMBTU); and The type and amount of fuel used over the 12 months prior to the annual adjustment. <p>[N.J.A.C. 7:27-19.16(b)]</p>	<p>Submit a report: within 45 days after the adjustment of the combustion process is completed. The report shall be submitted electronically through www.njdeponline.com. The report shall contain the following information:</p> <ol style="list-style-type: none"> The concentration of NOx and CO in the effluent stream in ppmvd, and O2, in percent dry basis, measured before and after the adjustment of the combustion process; The converted emission values in lb/MMBTU for the measurements taken before and after the adjustment of the combustion process; A description of any corrective action taken as part of the combustion adjustment; and The type and amount of fuel used over the 12 months prior to the annual adjustment. <p>[N.J.A.C. 7:27-19.16(d)]</p>

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
3	The owner or operator of the adjusted equipment or source operation shall ensure that the operating parameter settings are established and recorded after the combustion process is adjusted and that the adjusted equipment or source operation is maintained to operate consistent with the annual adjustment. [N.J.A.C. 7:27-19.16(e)]	Other: Monitor and maintain the operating parameter settings that are established after the combustion process is adjusted in order to operate consistent with the annual adjustment. [N.J.A.C. 7:27-22.16(o)].	Recordkeeping by manual logging of parameter or storing data in a computer data system upon performing combustion adjustment. The owner or operator shall record the operating parameter settings that are established after the combustion process is adjusted. [N.J.A.C. 7:27-19.16(e)]	None.
4	VOC (Total) <= 0.1 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
5	VOC (Total) <= 50 ppmvd @ 7% O ₂ . [N.J.A.C. 7:27-16.8(b)1]	None.	None.	None.
6	NO _x (Total) <= 4.72 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	NO _x (Total) <= 0.12 lb/MMBTU based on the boiler being equipped with a dual fuel burner. [N.J.A.C. 7:27-19.7(i)1]	None.	None.	None.
8	CO <= 1.4 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
9	CO <= 100 ppmvd @ 7% O ₂ . [N.J.A.C. 7:27-16.8(b)2]	None.	None.	None.
10	TSP <= 0.2 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
11	PM-10 (Total) <= 0.2 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
12	Dimethylbenz(a)anthracene (7,12-) <= 6.17E-7 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
13	Formaldehyde <= 0.00289 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
14	Cobalt Emissions <= 0.00000324 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
15	Manganese Emissions <= 0.0000147 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
16	Nickel Emissions <= 0.000081 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
17	Maximum Gross Heat Input <= 39.36 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Maximum Gross Heat Input: Recordkeeping by production records each hour during operation. [N.J.A.C. 7:27-22.16(e)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: U1 Boilers #1, #2, #3 (39.96 MMBtu/hr each) Natural Gas and #2 Fuel Oil, each boiler with a separate stack.
Operating Scenario: OS6 Boiler #3 operating with #2 fuel oil

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 9.9 lb/hr. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Sulfur Content in Fuel <= 15 ppmw (0.0015% by weight). [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 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**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
3	<p>The combustion source is not required to comply with the applicable NO_x emission limits in N.J.A.C. 7:27-19, and the owner or operator is not required to adjust the combustion process described in N.J.A.C. 7:27-19.16, while fuel oil or other liquid fuel is burned. The owner or operator of this combustion source is eligible for this exemption only if the following requirements are met: 1) The owner or operator is not practicably able to obtain a sufficient amount of natural gas; 2) the owner or operator's inability to obtain natural gas due to circumstances beyond the control of the owner or operator, such as a natural gas curtailment; and 3) the combustion source ceases using fuel oil or other liquid fuel in place of natural gas and resumes using natural gas as soon as a sufficient supply of natural gas becomes practicably available. However, the owner or operator may periodically fire fuel oil or other liquid fuel for testing and maintenance. The owner or operator shall not fire fuel oil or other liquid fuel for 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 shown at the Department's air quality permitting web site at http://www.state.nj.us/dep/aqpp/aqforecast. [N.J.A.C. 7:27-22.16(a)], [N.J.A.C. 7:27-19.25(a)] and [N.J.A.C. 7:27-19.25(c)]</p>	None.	<p>Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. Maintain records that include the following: For curtailment periods, 1) information sufficient to identify each combustion source for which the owner or operator claims an exemption, including a brief description of the source, its location, its permit number and other identifying numbers, and any other information necessary to distinguish it from other equipment owned and operated by the facility; 2) a statement that the owner or operator is not practicably able to obtain a sufficient supply of natural gas; 3) the date and time at which the owner or operator first became practicably unable to obtain natural gas; and 4) a description of the circumstances causing the owner or operator's inability to obtain natural gas. For testing and maintenance periods, record the date and number of hours that fuel oil or other liquid fuel has been combusted for testing and maintenance. [N.J.A.C. 7:27-19.25(d)]</p>	<p>Submit a report: Annually by March 1 of each year for the preceding calendar year to the Regional Enforcement Office. The annual report shall include: 1) information sufficient to identify each combustion source for which the owner or operator claims an exemption, including a brief description of the source, its location, its permit number and other identifying numbers, and any other information necessary to distinguish it from other equipment owned and operated by the facility; 2) a statement that the owner or operator is not practicably able to obtain a sufficient supply of natural gas; 3) the date and time at which the owner or operator first became practicably unable to obtain natural gas; and 4) a description of the circumstances causing the owner or operator's inability to obtain natural gas. The annual report shall also include any violations which occurred during the previous year. If no violations occurred during the year, the owner or operator shall provide certification that no violations occurred and that the records are maintained at the facility. [N.J.A.C. 7:27-19.19(g)(2)] & [N.J.A.C. 7:27-19.25(d)]</p>

BOP200001

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
4	Hours of Operation While Firing Fuel Oil ≤ 500 hours per any 12 consecutive months. [N.J.A.C. 7:27-19.25(c)4]	None.	Hours of Operation While Firing Fuel Oil: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The permittee shall record the number of hours the fuel oil is combusted monthly and during each consecutive 12 month period. [N.J.A.C. 7:27-19.19(e)] and. [N.J.A.C. 7:27-19.19(f)]	None.
5	Hours of Operation While Firing Fuel Oil ≤ 48 hr/yr for periodic testing on liquid fuel to qualify as a gas-fired boiler as defined in MACT Subpart JJJJJ, 40 CFR 63.11237. [N.J.A.C. 7:27-22.16(a)]	None.	Hours of Operation While Firing Fuel Oil: 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.
6	VOC (Total) ≤ 0.06 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
7	NOx (Total) ≤ 5.6 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
8	CO ≤ 1.4 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
9	SO2 ≤ 0.06 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
10	TSP ≤ 0.6 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
11	PM-10 (Total) ≤ 0.6 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
12	Arsenic compounds ≤ 0.000366 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
13	Cadmium compounds ≤ 0.00011 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
14	Cobalt Emissions ≤ 0.00167 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
15	Chromium (Hexavalent) Emissions ≤ 0.0000687 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
16	Formaldehyde ≤ 0.00915 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
17	Manganese Emissions ≤ 0.000832 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
18	Nickel Emissions ≤ 0.0234 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

U1 Boilers #1, #2, #3 (39.96 MMBtu/hr each) Natural Gas and #2 Fuel Oil, e

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
19	Maximum Gross Heat Input <= 39.36 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Maximum Gross Heat Input: Recordkeeping by production records each hour during operation. [N.J.A.C. 7:27-22.16(e)]	None.

BOP200001

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Emission Unit: U9 Six Emergency Generators, each with seperate emission points.

Operating Scenario: OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Summary of Applicable Federal Regulations: 40 CFR Part 63 Subpart A 40 CFR Part 63 Subpart ZZZZ. [40 CFR Federal Rules Summary]	None.	None.	None.
2	Additional requirements for all six (6) Emergency Generators are listed under subject item GR4. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	Opacity <= 20 % , exclusive of visible condensed water vapor, except for a period of not longer than 10 consecutive seconds. [N.J.A.C. 7:27- 3.5]	None.	None.	None.
4	Sulfur Content in Fuel <= 15 ppmw (0.0015% by weight). [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 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**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
5	<p>Emergency generators shall be located at the facility and produce mechanical or thermal energy, or electrical power exclusively for use at the facility. Each emergency generator shall be operated only:</p> <ol style="list-style-type: none"> 1. During the performance of normal testing and maintenance procedures, as recommended in writing by the manufacturer and/or as required in writing by a Federal or State law or regulation, 2. When there is power outage or the primary source of mechanical or thermal energy fails because of an emergency, or 3. When there is a voltage reduction issued by PJM and posted on the PJM internet website (www.pjm.com) under the "emergency procedures" menu. <p>[N.J.A.C. 7:27-19.1]</p>	None.	<p>Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The owner or operator shall maintain on site and record in a logbook or computer data system, the following information: 1. For each time the emergency generator is specifically operated for testing or maintenance:</p> <ol style="list-style-type: none"> 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 <p>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.</p> <p>The owner or operator of an emergency generator shall maintain the above records for a period no less than five years after the record was made and shall make the records readily available to the Department or the EPA upon request. [N.J.A.C. 7:27-19.11(a)2] and. [N.J.A.C. 7:27-19.11(b)]</p>	None.

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
6	<p>The emergency generators shall not be used:</p> <p>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</p> <p>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)]</p>	None.	None.	None.
7	<p>Generator fuel limited to #2 Fuel Oil. [N.J.A.C. 7:27-22.16(e)]</p>	None.	None.	None.

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
8	No owner or operator subject to the provisions of MACT Subpart A in 40 CFR 63 shall build, erect, install, or use any article, machine, equipment, or process to conceal an emission that would otherwise constitute noncompliance with a relevant standard. Such concealment includes, but is not limited to: (1) The use of diluents to achieve compliance with a relevant standard based on the concentration of a pollutant in the effluent discharged to the atmosphere; (2) The use of gaseous diluents to achieve compliance with a relevant standard for visible emissions. [40 CFR 63.4(b)]	None.	None.	None.
9	The owner and operator must not use fragmentation or phasing of reconstruction activities (i.e., intentionally dividing reconstruction into multiple parts for purposes of avoiding new source requirements) to avoid becoming subject to new source requirements. [40 CFR 63.4(c)]	None.	None.	None.
10	The owner or operator must operate and maintain any affected source at all times, including periods of startup, shutdown, and malfunction, including associated air pollution control equipment and monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures (including the startup, shutdown, and malfunction plan required in 40 CFR 63.6(e)(3), review of operation and maintenance records, and inspection of the source. [40 CFR 63.6(e)(1)(i)]	None.	None.	None.

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
11	The owner or operator shall correct malfunctions as soon as practicable after their occurrence. To the extent that an unexpected event arises during a startup, shutdown, or malfunction, the owner or operator must comply by minimizing emissions during such a startup, shutdown, and malfunction event consistent with safety and good air pollution control practices. [40 CFR 63.6(e)(1)(ii)]	None.	None.	None.
12	The owner or operator of a new or reconstructed affected source must provide the following information to the Administrator: notification of intention to construct a new affected source, reconstruct an affected source, or reconstruct a source such that the source becomes an affected source: notification of the actual date of startup of the source shall be delivered or postmarked within 15 calendar days after that date. [40 CFR 63.9(b)(5)]	None.	Recordkeeping by other recordkeeping method (provide description) once initially. Notification records shall be maintained and recorded in a form suitable and readily available for expeditious inspection and review for at least 5 years following the date of each record. At minimum, the most recent two years of data shall be retained on site. The remaining 3 years of data may be retained off site. Such files may be maintained on microfilm, on a computer, on a computer floppy disks, on magnetic tape disks, or on microfiche. [40 CFR 63.10(b)(1)]	Submit notification: Upon occurrence of event. [40 CFR 63.9(b)(5)]
13	After a title V permit has been issued, the owner or operator shall comply with all requirements for compliance status reports contained in the source's title V permit, including reports required under 40 CFR 63. After a title V permit has been issued to the owner or operator of an affected source, and each time a notification of compliance status is required under this part, the owner or operator of such source shall submit the notification of compliance status to the appropriate permitting authority following completion of the relevant compliance demonstration activity specified in the relevant standard. [40 CFR 63.9(h)(3)]	None.	Recordkeeping by other recordkeeping method (provide description) upon occurrence of event. Notification records shall be maintained for at least 5 years following the date of each record. At minimum, the most recent two years of data shall be retained on site. The remaining 3 years of data may be retained off site. Such files may be maintained on microfilm, on a computer, on a computer floppy disks, on magnetic tape disks, or on microfiche. [40 CFR 63.10(b)(1)]	Submit notification: As per the approved schedule. The notification shall be sent before the close of business on the 60th day following the completion of the relevant compliance demonstration to NJDEP. [40 CFR 63.9(h)(3)]

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
14	The owner or operator shall submit all information required under 40 CFR 63 to the Regional Enforcement Office of NJDEP. In addition, per 40 CFR 63.9(a)(4)(ii), the owner or operator shall send a copy of each report submitted to NJDEP under 40 CFR 63 to Director, Division of Enforcement and Compliance Assistance, USEPA Region 2, 290 Broadway, New York, NY 10007-1866. [40 CFR 63.10(a)(4)(ii)]	None.	Other: The owner or operator of an affected source subject to the provisions of this part shall maintain files of all information (including all reports and notifications) required by this part recorded in a form suitable and readily available for expeditious inspection and review. The files shall be retained for at least 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent 2 years of data shall be retained on site. The remaining 3 years of data may be retained off site. Such files may be maintained on microfilm, on a computer, on computer floppy disks, on magnetic tape disks, or on microfiche. [40 CFR 63.10(b)(1)].	Other (provide description): As per the approved schedule. Submit reports and notifications as required by 40 CFR 63 to EPA Region 2 and NJDEP. [40 CFR 63.13(b)]
15	General recordkeeping requirements. The owner or operator shall maintain files of all information (including all reports and notifications) required by 40 CFR 63 recorded in a form suitable and readily available for expeditious inspection and review. The files shall be retained for at least 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent 2 years of data shall be retained on site. The remaining 3 years of data may be retained off site. The owner or operator shall maintain relevant records per 40 CFR 63.10(b)(2) and 40 CFR 63.10(c). [40 CFR 63.10(b)(1)]	None.	None.	None.

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
16	The owner or operator 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)]	None.	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.
17	The owner or operator shall inspect air cleaner every 1,000 hours of operation or annually, whichever comes first; and inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary, as prescribed in Table 2d, item 4b and 4c to Subpart ZZZZ of 40 CFR 63. [40 CFR 63.6603(a)]	None.	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 air cleaner, 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)(2)]	None.
18	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.
19	At all times the owner or operate must operate and maintain a RICE including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. [40 CFR 63.6605(b)]	None.	None.	None.

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
20	An owner or operator must operate and maintain the stationary RICE according to the manufacturer's emission-related written instructions or the owner or operator must develop 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. [40 CFR 63.6625(e)]	None.	Other: The owner or operator must keep records of the maintenance procedures. 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.
21	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)]	None.	None.	None.
22	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 emergency or black start CI RICE constructed or reconstructed before June 12, 2006 and located at an area source of HAP emissions except for a residential, commercial, or institutional emergency stationary RICE. [40 CFR 63.6665]	None.	None.	None.

BOP200001

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Emission Unit: U9 Six Emergency Generators, each with separate emission points.

Operating Scenario: OS1 Emergency Generator #1

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 6 lb/hr. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 10.2 MMBtu/hr. [N.J.A.C. 7:27-22.16(e)]	None.	Recordkeeping by other recordkeeping method (provide description) at no required frequency. The owner or operator shall keep records of engine manufacturer data for the life of the equipment showing the rated Maximum Gross Heat Input, Maximum Rated Power Output, Model Year and Displacement. [N.J.A.C. 7:27-22.16(o)]	None.
3	VOC (Total) <= 0.33 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
4	NOx (Total) <= 35.81 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
5	CO <= 5.95 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
6	TSP <= 0.33 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
7	PM-10 (Total) <= 0.33 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
8	Hours of Operation <= 100 hr/yr for testing and maintenance. [40 CFR 63.6640(f)(1)]	Hours of Operation: Monitored by hour/time monitor continuously. The owner or operator must install a non-resettable hour meter if one is not already installed. [40 CFR 63.6625(f)]	Hours of Operation: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The owner or operator must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The owner or operator must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. The permittee shall maintain records for a period of no less than five years after the record was made. [40 CFR 63.6655(f)(2)], [N.J.A.C. 7:27-19.11(a)1] and. [N.J.A.C. 7:27-19.11(b)]	None.

U9 Six Emergency Generators, each with separate emission points.

OS1

BOP200001

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Emission Unit: U9 Six Emergency Generators, each with separate emission points.

Operating Scenario: OS2 Emergency Generator #2

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 6 lb/hr. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 10.2 MMBtu/hr. [N.J.A.C. 7:27-22.16(e)]	None.	Recordkeeping by other recordkeeping method (provide description) at no required frequency. The owner or operator shall keep records of engine manufacturer data for the life of the equipment showing the rated Maximum Gross Heat Input, Maximum Rated Power Output, Model Year and Displacement. [N.J.A.C. 7:27-22.16(o)]	None.
3	VOC (Total) <= 0.33 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
4	NOx (Total) <= 35.81 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
5	CO <= 5.95 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
6	TSP <= 0.33 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
7	PM-10 (Total) <= 0.33 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
8	Hours of Operation <= 100 hr/yr for testing and maintenance. [40 CFR 63.6640(f)(1)]	Hours of Operation: Monitored by hour/time monitor continuously. The owner or operator must install a non-resettable hour meter if one is not already installed. [40 CFR 63.6625(f)]	Hours of Operation: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The owner or operator must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The owner or operator must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. The permittee shall maintain records for a period of no less than five years after the record was made. [40 CFR 63.6655(f)(2)], [N.J.A.C. 7:27-19.11(a)1] and. [N.J.A.C. 7:27-19.11(b)]	None.

U9 Six Emergency Generators, each with separate emission points.

OS2

BOP200001

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Emission Unit: U9 Six Emergency Generators, each with seperate emission points.

Operating Scenario: OS4 Emergency Generator #4

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 3.9 lb/hr. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 6.5 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(e)]	None.	Maximum Gross Heat Input: Recordkeeping by other recordkeeping method (provide description) at no required frequency. The owner or operator shall keep records of engine manufacturer data for the life of the equipment showing the rated Maximum Gross Heat Input, Maximum Rated Power Output, Model Year and Displacement. [N.J.A.C. 7:27-22.16(o)]	None.
3	VOC (Total) <= 0.83 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
4	NOx (Total) <= 23.69 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
5	CO <= 2.22 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
6	TSP <= 0.36 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
7	PM-10 (Total) <= 0.36 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

BOP200001

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
8	Hours of Operation <= 100 hr/yr for testing and maintenance. [40 CFR 63.6640(f)(1)]	Hours of Operation: Monitored by hour/time monitor continuously. The owner or operator must install a non-resettable hour meter if one is not already installed. [40 CFR 63.6625(f)]	Hours of Operation: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The owner or operator must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The owner or operator must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. The permittee shall maintain records for a period of no less than five years after the record was made. [40 CFR 63.6655(f)(2)], [N.J.A.C. 7:27-19.11(a)1] and. [N.J.A.C. 7:27-19.11(b)]	None.

BOP200001

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Emission Unit: U9 Six Emergency Generators, each with seperate emission points.

Operating Scenario: OS5 Emergency Generator #5

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 6.4 lb/hr. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 11.8 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(e)]	None.	Maximum Gross Heat Input: Recordkeeping by other recordkeeping method (provide description) at no required frequency. The owner or operator shall keep records of engine manufacturer data for the life of the equipment showing the rated Maximum Gross Heat Input, Maximum Rated Power Output, Model Year and Displacement. [N.J.A.C. 7:27-22.16(o)]	None.
3	VOC (Total) <= 0.53 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
4	NOx (Total) <= 51.41 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
5	CO <= 2.37 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
6	TSP <= 0.29 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
7	PM-10 (Total) <= 0.29 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

BOP200001

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
8	Hours of Operation <= 100 hr/yr for testing and maintenance. [40 CFR 63.6640(f)(1)]	Hours of Operation: Monitored by hour/time monitor continuously. The owner or operator must install a non-resettable hour meter if one is not already installed. [40 CFR 63.6625(f)]	Hours of Operation: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The owner or operator must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The owner or operator must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. The permittee shall maintain records for a period of no less than five years after the record was made. [40 CFR 63.6655(f)(2)], [N.J.A.C. 7:27-19.11(a)1] and. [N.J.A.C. 7:27-19.11(b)]	None.

BOP200001

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Emission Unit: U9 Six Emergency Generators, each with seperate emission points.

Operating Scenario: OS6 Emergency Generator #7

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 7.8 lb/hr. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 19 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(e)]	None.	Maximum Gross Heat Input: Recordkeeping by other recordkeeping method (provide description) at no required frequency. The owner or operator shall keep records of engine manufacturer data for the life of the equipment showing the rated Maximum Gross Heat Input, Maximum Rated Power Output, Model Year and Displacement. [N.J.A.C. 7:27-22.16(o)]	None.
3	VOC (Total) <= 1.27 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
4	NOx (Total) <= 74.26 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
5	CO <= 5.58 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
6	TSP <= 0.41 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
7	PM-10 (Total) <= 0.41 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

BOP200001

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
8	Hours of Operation <= 100 hr/yr for testing and maintenance. [40 CFR 63.6640(f)(1)]	Hours of Operation: Monitored by hour/time monitor continuously. The owner or operator must install a non-resettable hour meter if one is not already installed. [40 CFR 63.6625(f)]	Hours of Operation: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The owner or operator must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The owner or operator must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. The permittee shall maintain records for a period of no less than five years after the record was made. [40 CFR 63.6655(f)(2)], [N.J.A.C. 7:27-19.11(a)1] and. [N.J.A.C. 7:27-19.11(b)]	None.

BOP200001

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Emission Unit: U9 Six Emergency Generators, each with seperate emission points.

Operating Scenario: OS9 Emergency Generator #6

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 6 lb/hr. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 10 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(e)]	None.	Maximum Gross Heat Input: Recordkeeping by other recordkeeping method (provide description) at no required frequency. The owner or operator shall keep records of engine manufacturer data for the life of the equipment showing the rated Maximum Gross Heat Input, Maximum Rated Power Output, Model Year and Displacement. [N.J.A.C. 7:27-22.16(o)]	None.
3	VOC (Total) <= 0.53 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
4	NOx (Total) <= 22.29 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
5	CO <= 0.93 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
6	TSP <= 0.22 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
7	PM-10 (Total) <= 0.22 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

BOP200001

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
8	Hours of Operation <= 100 hr/yr for testing and maintenance. [40 CFR 63.6640(f)(1)]	Hours of Operation: Monitored by hour/time monitor continuously. The owner or operator must install a non-resettable hour meter if one is not already installed. [40 CFR 63.6625(f)]	Hours of Operation: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The owner or operator must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The owner or operator must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. The permittee shall maintain records for a period of no less than five years after the record was made. [40 CFR 63.6655(f)(2)], [N.J.A.C. 7:27-19.11(a)1] and. [N.J.A.C. 7:27-19.11(b)]	None.

BOP200001

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Emission Unit: U17 Cogeneration System (Turbine NG and Oil and Duct Burner NG)

Operating Scenario: OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Summary of Applicable Federal Regulations: 40 CFR Part 60 Subpart A 40 CFR Part 60 Subpart GG and 40 CFR Part 60 Subpart Dc. [40 CFR Federal Rules Summary]	None.	None.	None.
2	Additional requirements for the cogeneration system are listed under subject item GR4. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	<p>STACK TESTING SUMMARY The permittee shall conduct a stack test no later than every five years (see General Provisions) from the last stack using an approved protocol to demonstrate compliance with emission limits for CO, NO_x, PM-2.5, PM-10, TSP, and VOC as specified in the compliance plan for OS1, OS2, OS3, and OS4. The permittee shall provide EMS with the turbine load performance curve with the protocol. The duct burner shall be in operation during stack testing.</p> <p>Testing must be conducted at worst-case permitted operating conditions with regard to meeting the applicable emission standards, but without creating an unsafe condition.</p> <p>[N.J.A.C. 7:27-22.16(a)]</p>	Other: Monitoring as required under the applicable operating scenario(s)[N.J.A.C. 7:27-22.16(o)].	Other: Recordkeeping as required under the applicable operating scenario(s).[N.J.A.C. 7:27-22.16(o)].	<p>Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. Submit a stack test protocol to the Emission Measurement Section (EMS) at Mail Code: 09-01, PO Box 420, Trenton, NJ 08625 no later than 12 months prior the completion of the five year period since the last stack test. The protocol and test report must be prepared and submitted on a CD using the Electronic Reporting Tool (ERT), unless another format is approved by EMS. The ERT program can be downloaded at: http://www.epa.gov/ttnchie1/ert. Within 30 days of protocol approval or no less than 60 days prior to the testing deadline, whichever is later, the permittee must contact EMS at 609-984-3443 to schedule a mutually acceptable test date.</p> <p>A full stack test report must be submitted to EMS and a certified summary test report must be submitted to the Regional Enforcement Office within 45 days after performing the stack test pursuant to N.J.A.C. 7:27-22.19(d). The test results must be certified by a licensed professional engineer or certified industrial hygienist. [N.J.A.C. 7:27-22.18(e)] and . [N.J.A.C. 7:27-22.18(h)]</p>

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
4	Turbine Exchange: The exchange turbine must have identical horsepower, heat rate, and maximum allowable emissions as the original turbine engine that is exchanged. [N.J.A.C. 7:27-22.16(a)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system once initially and every time turbine exchange occurs. The Permittee shall keep a certification from the original manufacturer that all turbines in the turbine exchange program have the same air contaminant emissions profile. [N.J.A.C. 7:27-22.16(o)]	Submit required documents: As per the approved schedule. Submit the turbine exchange documents within 30 days of the exchange event occurs. [N.J.A.C. 7:27-22.16(o)]
5	Renewal stack Test Exemption: Renewal stack testing is not required for Ultra Low Sulfur Distillate (ULSD) combustion if ULSD is fired for less than 100 hours in each calendar year of a permit term. If ULSD is fired by the turbine for more than 100 hours in any calendar year that occurs during the permit term, the permittee shall: 1) Within 30 days of exceeding 100 hours of ULSD firing in a given calendar year, submit a stack test protocol to the Department. 2) within 180 days of exceeding 100 hours of ULSD firing in a given calendar year, conduct a comprehensive stack test at emission point PT1 to demonstrate compliance with the NO _x , CO VOC, and TSP, PM-10 emission limits while combusting ULSD in accordance with U1, OS Summary, REF #4. Renewal stack testing need only be performed once during each permit term regardless of how many calendar years, during that permit term, the turbine combusts ULSD for more than 100 hours. [N.J.A.C. 7:27-22.16(a)]	Monitored by stack emission testing upon occurrence of event. If combustion of ULSD in the turbine exceeds 100 hours per year, during any calendar year within the permit term, conduct stack testing pursuant to U17, OS Summary within 180 days of reaching 100 hours of ULSD combustion. Renewal stack testing need only be performed once during each permit term regardless of how many calendar years, during that permit term, the turbine combusts ULSD for more than 100 hours. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by stack test results upon occurrence of event. If combustion of ULSD in the turbine exceeds 100 hours per year, during any calendar year within the permit term, conduct stack testing pursuant to U17, OS Summary within 180 days of reaching 100 hours of ULSD combustion. Renewal stack testing need only be performed once during each permit term regardless of how many calendar years, during that permit term, the turbine combusts ULSD for more than 100 hours. [N.J.A.C. 7:27-22.16(o)] Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. If ULSD is fired by the turbine for more than 100 hours in any calendar year that occurs during the permit term, a stack test protocol shall be submitted within 30 days of reaching 100 hours of ULSD firing and stack tests shall be conducted in accordance with U17, OS Summary, within 180 days of reaching 100 hours of ULSD fired operation. Renewal stack testing need only be performed once during each permit term regardless of how many calendar years, during that permit term, the turbine combusts ULSD for more than 100 hours. [N.J.A.C. 7:27-22.18(e)], [N.J.A.C. 7:27-22.18(h)] and. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. Submit a stack test protocol to the Emission Measurement Section (EMS) at Mail Code: 09-01, PO Box 420, Trenton, NJ 08625 at least 30 months prior to the expiration of the approved operating permit. The protocol and test report must be prepared and submitted on a CD using the Electronic Reporting Tool (ERT), unless another format is approved by EMS. The ERT program can be downloaded at: http://www.epa.gov/ttnchie1/ert . Within 30 days of protocol approval or no less than 60 days prior to the testing deadline, whichever is later, the permittee must contact EMS at 609-984-3443 to schedule a mutually acceptable test date. A full stack test report must be submitted to EMS and a certified summary test report must be submitted to the Regional Enforcement Office within 45 days after performing the stack test pursuant to N.J.A.C. 7:27-22.19(d). The test results must be certified by a licensed professional engineer or certified industrial hygienist. [N.J.A.C. 7:27-22.18(e)] and . [N.J.A.C. 7:27-22.18(h)]
6	Turbine fuels limited to natural gas or #2 fuel oil. Duct Burner fuel limited to natural gas only. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	Cogeneration plant shut-down is defined as that period of time from the initial lowering of cogeneration system output below 50 percent of maximum turbine output(kw) to the cessation of combustion turbine operation. The duration of shut-down shall not exceed 30 minutes. [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. [N.J.A.C. 7:27-22.16(o)]	None.
8	Cogeneration plant start-up is defined as the period of time from the initiation of cogeneration system operation until the combustion turbine unit reaches steady state at 50 percent of maximum turbine output (kw) conditions. The duration of start-up shall not exceed 60 minutes. [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 logs shall record the duration of start-ups, type of fuel burned for each start-up and the number of times of start-up in a calendar year. [N.J.A.C. 7:27-22.16(o)]	None.
9	The combustion turbine shall not operate at less than 50% of maximum turbine output except for start-up, shut-down and fuel transfer periods. [N.J.A.C. 7:27-22.16(a)]	Other: Turbine output(kw) Instrument. Continuously.[N.J.A.C. 7:27-22.16(o)].	Recordkeeping by strip chart or data acquisition (DAS) system continuously. [N.J.A.C. 7:27-22.16(o)]	None.
10	Cogeneration plant fuel transfer period is defined as that period of time from the initiation of the transfer process in the cogeneration system between natural gas and oil to the completion of this process. The duration of fuel transfer period shall not exceed 30 minutes. [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. The logs shall record the duration of fuel transfer. [N.J.A.C. 7:27-22.16(o)]	None.
11	An exceedance of an emission limit that occurs during an adjustment of the combustion process under N.J.A.C. 7:27-19(g) is not a violation of this subchapter if it occurs as a result of the adjustment. After the combustion adjustment has been completed, the maximum allowable emission rate of any contaminant shall not exceed the maximum allowable emission rate applicable under N.J.A.C. 7:27-19 or under an operating permit issued pursuant to N.J.A.C. 7:27-22 or an applicable certificate issued pursuant to N.J.A.C. 7:27-8. [N.J.A.C. 7:27-19.16(f)]	None.	None.	None.

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
12	The stack heights for the cogeneration system main (PT17) and bypass (PT18) stacks shall not be less than 60 feet. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
13	The permittee shall adjust the combustion process in accordance with the manufacturer's recommended procedures and maintenance schedules. [N.J.A.C. 7:27-16.9(f)] and [N.J.A.C. 7:27-19.5(e)]	Monitored by periodic emission monitoring upon occurrence of event. Monitoring shall be performed in accordance with the specific procedures for combustion adjustment monitoring specified in NJDEP Technical Manual 1005. [N.J.A.C. 7:27-19.16(g)]	Recordkeeping by data acquisition system (DAS) / electronic data storage upon performing combustion adjustment or by manual logging of parameter or storing data in a computer data system. The permittee shall record the following information for each adjustment in a log book or computer data system: 1. The date and times the adjustment 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 concentration of NO _x , CO, and O ₂ measured before and after the adjustment was made; and 5. The type and amount of fuel use over the 12 months prior to the adjustment. The records shall be kept for a minimum of 5 years and be readily accessible to the Department upon request. [N.J.A.C. 7:27-19.16(h)]	None.
14	No owner or operator subject to the provisions of this part shall build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere. [40 CFR 60.12]	None.	None.	None.

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
15	All requests, reports, applications, submittals, and other communications required by 40 CFR 60 shall be submitted in duplicate to the EPA Region II Administrator. [40 CFR 60.4(a)]	None.	None.	Submit a report: As per the approved schedule , submit reports to EPA Region II as required by 40 CFR 60. Submit Information to: Director, Air and Waste Management Division, US Environmental Protection Agency, Region II, 290 Broadway, New York, NY 10007-1866. [40 CFR 60.4(a)]
16	Submit a copy of all requests, reports, applications, submittals, and other communication required by 40 CFR 60 to the Northern Regional Office (NRO) of NJDEP. [40 CFR 60.4(b)]	None.	None.	Submit a report: As per the approved schedule , submit reports to the Northern Regional Office as required by 40 CFR 60. Submit Information to: Northern Regional Office, NJDEP. [40 CFR 60.4(b)]
17	The owner or operator subject to the provisions of 40 CFR Part 60 shall furnish the Administrator written notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless that change is specifically exempted under an applicable subpart or in section 60.14(e). The notification shall include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of facility before and after the change and the expected completion date of the change. Notification shall be postmarked within 60 days or soon as practicable before any change is commenced. [40 CFR 60.7(a)(4)]	None.	None.	Comply with the requirement: Upon occurrence of event. Submit notification to EPA Region II and the appropriate Regional Office of NJDEP as required per 40 CFR 60.7. [40 CFR 60.7(a)(4)]
18	The owner or operator shall maintain records of the occurrence and duration of any start-up, shutdown, or malfunction in the operation of an affected facility, any malfunction of air pollution control equipment or any periods during which continuous monitoring system or monitoring device is inoperative. [40 CFR 60.7(b)]	None.	Other: Recordkeeping by manual logging in a Permanently Bound Logbook or storing data in a computer data system, upon occurrence of event.[40 CFR 60.7(b)].	None.

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
19	Any owner or operator subject to the provisions of this part shall maintain a file of all measurements, including continuous monitoring system, monitoring device and performance testing measurements; all continuous monitoring system performance evaluations; all continuous monitoring system or monitoring device calibration checks; adjustments and maintenance performed on these systems or devices ; and all other information required by this part recorded in a permanent form suitable for inspection. [40 CFR 60.7(f)]	None.	Other: See Applicable Requirement.[40 CFR 60.7(f)].	None.
20	The owner or operator shall demonstrate compliance with NSPS opacity standards specified in 40 CFR Part 60. [40 CFR 60.11(b)]	Monitored by visual determination once initially, based on 6 minute blocks. Testing shall be conducted using Reference Method 9 in Appendix A of NSPS. For purposes of determining initial compliance, the minimum total time of observations shall be 3 hours for the performance test. [40 CFR 60.11(b)]	Other: Recordkeeping by manual logging in a Permanently Bound Logbook or storing data in a computer data system, upon occurrence of event. The owner or operator shall maintain records of opacity of emissions based on Method 9 observations.[40 CFR 60.11(e)(2)].	Submit a report: At a common schedule agreed upon by the operator and the Administrator. The owner or operator shall submit results of Method 9 observation data to the Administrator. [40 CFR 60.11(e)(2)]
21	At all times, including periods of start-up, shutdown, and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, opacity observations, review of operation and maintenance procedures, and inspection of the source. [40 CFR 60.11(d)]	None.	None.	None.

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
22	NO _x (Total) ≤ 25 ppmvd @ 15% O ₂ . [40 CFR 60.332(a)(2)]	NO _x (Total): Monitored by stack emission testing once initially, based on each of three Department validated stack test runs. Test methods and procedures shall be consistent with the requirements of 40 CFR Part 60.335. If the turbine combusts both oil and gas as primary or backup fuels, separate performance testing is required for each fuel. Performance testing is not required for any emergency fuel as defined in 40 CFR 60.331. [40 CFR 60.335]	None.	None.
23	The owner or operator of a turbine that uses steam or water injection shall install, calibrate, maintain and operate a continuous monitoring system to monitor and record the fuel consumption and the ratio of water or steam to fuel being fired in the turbine. [40 CFR 60.334(a)]	Monitored by parametric monitoring system continuously. During the performance test required under 40 CFR 60.8, the ratio of water or steam to fuel shall be continuously monitored to establish acceptable values and ranges. [40 CFR 60.334(g)]	None.	None.
24	The owner or operator may, as alternative to operating the continuous monitoring system described in 40 CFR 60.334(a), install, certify, maintain, operate, and quality-assure a continuous emission monitoring system (CEMS) consisting of NO _x and O ₂ monitors. As an alternative, a CO ₂ monitor may be used to adjust the measured NO _x concentrations. Each CEMS must be installed and certified according to PS 2 and 3 (for diluent) of 40 CFR Part 60 Appendix B. If the owner or operator has installed a NO _x CEMS to meet the requirements 40 CFR Part 75 and is continuing to meet the ongoing requirements of 40 CFR Part 75, the CEMS may be used to meet the requirements of this section. If CEMS in conformance with 40 CFR Part 75 is used, periods of missing CEMS data are to be reported as monitor downtime in the excess emissions and monitoring performance report. [40 CFR 60.334(b)]	Monitored by continuous emission monitoring system continuously. [40 CFR 60.334]	None.	None.

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
25	The owner or operator of any new turbine that uses water or steam injection to control NOx emissions may elect to use either the continuous water or steam to fuel monitoring as described in 40 CFR 60.334(a) or may use a NOx CEMS installed, certified, maintained, operated, and quality-assured as described in 40 CFR 60.334(b). [40 CFR 60.334(d)]	Monitored by other method (provide description) continuously. [40 CFR 60.334]	None.	None.
26	The owner or operator of any new turbine that does not use water or steam injection may elect to use either a NOx CEMS installed, certified, maintained, operated, and quality-assured as described in 40 CFR 60.334(b) or may instead perform parameter monitoring as described in 40 CFR 60.334(f). [40 CFR 60.334(e)]	Monitored by other method (provide description) continuously. [40 CFR 60.334]	None.	None.
27	The owner or operator of a turbine on which the steam or water to fuel ratio or other parameters are being continuously monitored shall develop and keep on -site a parameter monitoring plan which explains the procedure used to document proper operation of the NOx emission controls. [40 CFR 60.334(g)]	None.	Recordkeeping by other recordkeeping method (provide description) once initially. The parameter monitoring plan shall include information required by 40 CFR 60.334(g). [40 CFR 60.334(g)]	None.
28	The owner or operator shall monitor the total sulfur content of the fuel being fired in the turbine if the fuel fired in the turbine does not meet the definition of natural gas as provided in 40 CFR 60.331(u). The owner or operator shall use the methods specified in 40 CFR 60.335(b)10. The analyses may be performed by the owner or operator, a service contractor retained by the owner or operator, the fuel vendor, or any other qualified agency. [40 CFR 60.334(h)(1)]	Monitored by grab sampling at the approved frequency. Sulfur content values shall be determined on each occasion that fuel is transferred to the storage tank from any other source. If a custom fuel monitoring schedule has previously been approved, the owner or operator may continue monitoring on this schedule without submitting a special petition to the Administrator. [40 CFR 60.334(i)]	Recordkeeping by certified lab analysis results at the approved frequency. The owner or operator shall record the results of each analysis for fuel sulfur content. [40 CFR 60.334(i)]	None.

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
29	The owner or operator shall monitor nitrogen content of the fuel being fired in the turbine if the owner or operator claims an allowance for fuel bound nitrogen. The owner or operator shall use the methods specified in 40 CFR 60.335(b)9 or an approved alternative. The analyses may be performed by the owner or operator, a service contractor retained by the owner or operator, the fuel vendor, or any other qualified agency. [40 CFR 60.334(h)(2)]	Monitored by other method (provide description) daily. Any applicable nitrogen content value of the gaseous fuel or fuel oil shall be determined and recorded once per unit operating day. If a custom fuel monitoring schedule has previously been approved, the owner or operator may continue monitoring on this schedule without submitting a special petition to the Administrator. [40 CFR 60.334(i)]	Recordkeeping by certified lab analysis results daily. The owner or operator shall record the results of each analysis for fuel nitrogen content. [40 CFR 60.334(i)]	None.
30	The owner or operator may elect not to monitor nitrogen content of the fuel being fired in the turbine if the owner or operator does not claim an allowance for fuel bound nitrogen. [40 CFR 60.334(h)(2)]	None.	None.	Demonstrate compliance: Once initially. The owner or operator does not claim an allowance for fuel bound nitrogen. The allowable NOx emission concentration included in this permit was calculated in accordance with 40 CFR 60.332(a). In calculations, NOx emission allowance (F-value) of zero was accepted. [40 CFR 60.334(h)(2)]

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
31	The owner or operator shall submit reports of excess emissions and monitor downtime for Nitrogen oxides. Excess emissions shall be reported for all periods of unit operation, including startup, shutdown and malfunction. For the purpose of reports required under 40 CFR 60.7(c), periods of excess emissions and monitor downtime that shall be reported are defined in 40 CFR 60.334(j)(1)(i) or (iii) as follows: (i) for turbines using water or steam to fuel ratio monitoring - any unit operating hour for which the average steam or water to fuel ratio, as measured by the continuous monitoring system, falls below the acceptable steam or water to fuel ratio determined by the performance test (40 CFR 60.8) to demonstrate compliance with the NOx concentration limit specified in 60.332; Any unit operating hour in which no water or steam is injected shall also be considered an excess emissions; or (iii) for turbines using NOx and diluent CEMS - any unit operating hour during which the 4-hour rolling average NOx concentration exceeds the applicable NOx emission limit specified in 60.332. [40 CFR 60.334(j)(1)]	None.	None.	Submit an Excess Emissions and Monitoring Systems Performance Report (EEMPR): Semi-annually beginning on the 30th day of the 6th month following initial performance tests. Each report shall include the average steam or water-to-fuel ratio, average fuel consumption, ambient conditions, gas turbine load, as applicable and, (if applicable) the nitrogen content of the fuel during each excess emission. Pursuant to 40 CFR 60.334(j)5, all reports shall be postmarked by the 30th day following the end of each 6-month period. [40 CFR 60.334(j)(1)]
32	The owner or operator shall submit reports of excess emissions and monitor downtime for Nitrogen content in fuel. For the purpose of reports required under 40 CFR 60.7(c), periods of excess emissions and monitor downtime that shall be reported are defined in 40 CFR 60.334(j)(1)(ii)(A) and (B) as follows: any period during which the fuel bound nitrogen of the fuel is greater than the maximum nitrogen content allowed using the performance test required by 40 CFR 60.8. [40 CFR 60.334(j)(1)(ii)]	None.	None.	Submit an Excess Emissions and Monitoring Systems Performance Report (EEMPR): Semi-annually beginning on the 30th day of the 6th month following initial performance tests. Pursuant to 40 CFR 60.334(j)5, all reports shall be postmarked by the 30th day following the end of each 6-month period. [40 CFR 60.334(j)(1)(ii)]

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
33	The owner or operator shall submit reports of excess emissions and monitor downtime for Sulfur dioxide. Excess emissions shall be reported for all periods of unit operation, including startup, shutdown and malfunction. For the purpose of reports required under 40 CFR 60.7(c), periods of excess emissions and monitor downtime that shall be reported are defined in 40 CFR 60.334(j)(2). [40 CFR 60.334(j)(2)]	None.	None.	Submit an Excess Emissions and Monitoring Systems Performance Report (EEMPR): Semi-annually beginning on the 30th day of the 6th month following initial performance tests. Pursuant to 40 CFR 60.334(j)5, all reports shall be postmarked by the 30th day following the end of each 6-month period. [40 CFR 60.334(j)(2)]
34	The owner or operator shall report to the Administrator quarterly each period during which an exemption provided in 40 CFR Part 60.332(f) is in effect. [40 CFR 60.334(j)(3)]	None.	None.	Submit an Excess Emissions and Monitoring Systems Performance Report (EEMPR): Every quarter beginning on the 30th of the 3rd month following initial performance tests. The report shall contain for each period, the ambient conditions existing during the period, the date and time the air pollution control system was deactivated, and the date and time the air pollution control system was reactivated shall be reported. All reports shall be postmarked by the 30th day following the end of each calendar quarter. [40 CFR 60.334(j)(3)]
35	The owner or operator shall include in the report required by 40 CFR Part 60.7(c), each period during which an exemption provided in 40 CFR Part 60.332(k) is in effect. [40 CFR 60.334(j)(4)]	None.	None.	Submit an Excess Emissions and Monitoring Systems Performance Report (EEMPR): Semi-annually beginning on the 30th day of the 6th month following initial performance tests. The report shall contain for each period, the type, reasons, and duration of the firing of the emergency fuel. Pursuant to 40 CFR 60.334(j)5, all reports shall be postmarked by the 30th day following the end of each 6-month period. [40 CFR 60.334(j)(4)]
36	The owner or operator shall record the amount of fuel combusted in the duct burner each operating day. NSPS Subpart Dc. [40 CFR 60.48c(g)]	Other: Fuel Flow/Firing Rate Instrument. Continuously.[40 CFR 60.48c(g)].	Other: Manual Logging of Parameter (Permanently Bound) or by electronic data storage. Daily. The owner or operator of each affected facility shall record and maintain records of the amounts of fuel combusted during each day.[40 CFR 60.48c(g)].	None.

BOP200001

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Emission Unit: U17 Cogeneration System (Turbine NG and Oil and Duct Burner NG)

Operating Scenario: OS1 Turbine operating on natural gas, 59.86 MMBTU/hr - HHV

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Opacity <= 20 % opacity, exclusive of visible condensed water vapor, for more than 10 consecutive seconds. [N.J.A.C. 7:27- 3.5]	None.	None.	None.
2	Particulate Emissions <= 12 lb/hr. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
3	No visible emissions except for a period of not longer than three minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	NOx (Total) <= 25 ppm _{dv} @ 15% O ₂ except for periods of start-up, shutdown and fuel transfer as defined in this permit. [N.J.A.C. 7:27-22.16(a)]	NOx (Total): Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)]	NOx (Total): Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]
5	NOx (Total) <= 5.99 lb/hr. [N.J.A.C. 7:27-22.16(a)]	NOx (Total): Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)]	NOx (Total): Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]
6	CO <= 50 ppm _{dv} @ 15% O ₂ except for periods of start-up, shutdown and fuel transfer as defined in this permit. [N.J.A.C. 7:27-22.16(a)]	CO: Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)]	CO: Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]
7	CO <= 250 ppm _{vd} @ 15% O ₂ . [N.J.A.C. 7:27-16.9(b)]	CO: Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs. [N.J.A.C. 7:27-16.o]	CO: Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). [N.J.A.C. 7:27-16.o]	None.
8	CO <= 7.3 lb/hr. [N.J.A.C. 7:27-22.16(a)]	CO: Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)]	CO: Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
9	SO ₂ ≤ 0.2 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
10	TSP ≤ 2.51 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
11	PM-10 (Total) ≤ 2.51 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
12	VOC (Total) ≤ 2.1 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
13	VOC (Total) ≤ 25 ppm _{dv} @ 15% O ₂ except for periods of start-up, shut-down and fuel transfer as defined in this permit. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
14	VOC (Total) ≤ 50 ppm _{vd} @ 15% O ₂ . [N.J.A.C. 7:27-16.9(c)]	None.	None.	None.
15	Maximum Gross Heat Input ≤ 59.86 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Maximum Gross Heat Input: Recordkeeping by other recordkeeping method (provide description) at no required frequency. The owner or operator shall keep records of turbine manufacturer data for the life of the equipment showing the rated Maximum Gross Heat Input, Maximum Rated Power Output and Model Year. [N.J.A.C. 7:27-22.16(e)]	None.
16	Dry Low NO _x combustor shall be used and operated all times that the combustion turbines are combusting natural gas, except during start-up, shutdown, mechanical safety testing, and fuel transfer periods. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
17	Sulfur Content in Fuel ≤ 8,000 ppm _w (0.8% by weight). [40 CFR 60.333(b)]	Other: The owner or operator may elect not to monitor the total sulfur content of the gaseous fuel combusted in the turbine if the gaseous fuel is demonstrated to meet the definition of natural gas in 40 CFR 60.331(u) regardless of whether an existing custom schedule approved by the Administrator.[40 CFR 60.334(h)(3)].	Other: The permittee shall maintain records showing the gas quality characteristics in a current, valid purchase contract, tariff sheet or transportation contract for the gaseous fuel, specifying that the maximum total sulfur content of the fuel is 20.0 grains/100 scf or less.[40 CFR 60.334(h)(3)(i)].	None.
18	Butadiene (1,3-) ≤ 0.0000257 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

BOP200001

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
19	Acrolein <= 0.000383 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
20	Naphthalene <= 0.0000778 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
21	Benzene <= 0.000718 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
22	Formaldehyde <= 0.0425 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
23	Polycyclic organic matter <= 0.000132 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

BOP200001

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: U17 Cogeneration System (Turbine NG and Oil and Duct Burner NG)

Operating Scenario: OS2 Turbine operating on #2 fuel oil, 59.32 MMBTU/hr - HHV

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Opacity <= 20 % opacity, exclusive of visible condensed water vapor, for more than 10 consecutive seconds. [N.J.A.C. 7:27- 3.5]	None.	None.	None.
2	Particulate Emissions <= 11.9 lb/hr. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
3	Sulfur Content in Fuel <= 15 ppmw (0.0015% by weight). [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 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**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
4	Opacity <= 10 % , exclusive of visible condensed water vapor, for more than 10 consecutive seconds, except turbine start-up, shut-down and fuel transfer periods. [N.J.A.C. 7:27-22.16(e)]	Opacity: Monitored by visual determination each week during operation. For compliance with the monitoring and record keeping requirements for the opacity standard, 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 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 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)]	Opacity: Recordkeeping by manual logging of parameter or storing data in a computer data system each week during operation. The permittee must retain the following records; (1) Date and time of inspection; (2) Emission Point number; (3) Operational status of equipment; (4) Observed results and conclusions; (5) Description of corrective action taken if needed; (6) Date and time opacity problem was solved, if applicable; (7) N.J.A.C. 7:27B-2 results if conducted; and (8) Name of person(s) conducting inspection. [N.J.A.C. 7:27-22.16(o)]	None.
5	Maximum Gross Heat Input <= 59.32 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Maximum Gross Heat Input: Recordkeeping by other recordkeeping method (provide description) at no required frequency. The owner or operator shall keep records of turbine manufacturer data for the life of the equipment showing the rated Maximum Gross Heat Input, Maximum Rated Power Output and Model Year. [N.J.A.C. 7:27-22.16(e)]	None.

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
6	CO ≤ 7.42 lb/hr. [N.J.A.C. 7:27-22.16(a)]	CO: Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)]	CO: Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]
7	CO ≤ 50 ppmvd @ 15% O ₂ . During periods when the ambient temperature is 25 degrees F or above. This limit does not apply during periods of start-up, shut-down and fuel transfer. [N.J.A.C. 7:27-22.16(a)]	CO: Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)]	CO: Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]
8	CO ≤ 100 ppmvd @ 15% O ₂ . During periods when the ambient temperature is below 25 degrees F. This limit does not apply during periods of start-up, shut-down and fuel transfer. [N.J.A.C. 7:27-22.16(a)]	CO: Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)]	CO: Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]
9	NO _x (Total) ≤ 14.06 lb/hr. [N.J.A.C. 7:27-22.16(a)]	NO _x (Total): Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)]	NO _x (Total): Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]
10	NO _x (Total) ≤ 65 ppmvd @ 15% O ₂ except for periods of start-up, shutdown and fuel transfer as defined in this permit. [N.J.A.C. 7:27-22.16(a)]	NO _x (Total): Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)]	NO _x (Total): Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]
11	PM-10 (Total) ≤ 3.62 lb/hr. [N.J.A.C. 7:27-22.16(a)]	PM-10 (Total): Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)]	PM-10 (Total): Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]
12	SO ₂ ≤ 0.092 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
13	TSP ≤ 3.62 lb/hr. [N.J.A.C. 7:27-22.16(a)]	TSP: Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)]	TSP: Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
14	VOC (Total) <= 2.13 lb/hr. [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]
15	VOC (Total) <= 25 ppmv @ 15% O ₂ except for periods of start-up, shut-down of fuel transfer as defined in this permit. [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]
16	CO <= 250 ppmv @ 15% O ₂ . [N.J.A.C. 7:27-16.9(b)]	None.	CO: Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). [None]	None.
17	VOC (Total) <= 50 ppmv @ 15% O ₂ . [N.J.A.C. 7:27-16.9(c)]	None.	VOC (Total): Recordkeeping by stack test results every 5 years (based on completion date of the last stack test) Recordkeeping by stack testing results once prior to operating permit renewal. Refer to stack testing requirements U17, OS Summary Ref.s #2and #3. [None]	None.
18	Sulfur Content in Fuel <= 8,000 ppmw (0.8% by weight). [40 CFR 60.333(b)]	Other: The permittee shall determine the sulfur content of the fuel using one of the total sulfur sampling options and the associated sampling frequency described in sections 2.2.3, 2.2.4.1, 2.2.4.2, and 2.2.4.3 of appendix D to 40 CFR 75 (i.e., flow proportional sampling, daily sampling, sampling from the unit's storage tank after each addition of fuel to the tank, or sampling each delivery prior to combining it with fuel oil already in the intended storage tank).[40 CFR 60.334(h)(4)(i1)].	Sulfur Content in Fuel: Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. [40 CFR 60.334(h)(4)]	None.
19	Butadiene (1,3-) <= 0.000949 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
20	Benzene <= 0.00326 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
21	Naphthalene <= 0.00208 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

BOP200001

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
22	Arsenic compounds <= 0.000653 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
23	Beryllium compounds <= 0.0000184 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
24	Cadmium compounds <= 0.000285 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
25	Formaldehyde <= 0.0166 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
26	Lead Emissions <= 0.00083 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
27	Manganese Emissions <= 0.00599 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
28	Nickel Emissions <= 0.000273 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
29	Polycyclic organic matter <= 0.00237 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

BOP200001

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Emission Unit: U17 Cogeneration System (Turbine NG and Oil and Duct Burner NG)

Operating Scenario: OS3 Duct Burner & Turbine operating on natural gas

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Opacity <= 20 % opacity, exclusive of visible condensed water vapor, for more than 10 consecutive seconds. [N.J.A.C. 7:27- 3.5]	None.	None.	None.
2	Particulate Emissions <= 14.5 lb/hr. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
3	No visible emissions except for a period of not longer than three minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Maximum Gross Heat Input <= 59.86 MMBTU/hr (HHV) for the turbine. [N.J.A.C. 7:27-22.16(a)]	None.	Maximum Gross Heat Input: Recordkeeping by other recordkeeping method (provide description) at no required frequency. The owner or operator shall keep records of turbine manufacturer data for the life of the equipment showing the rated Maximum Gross Heat Input, Maximum Rated Power Output and Model Year. [N.J.A.C. 7:27-22.16(e)]	None.
5	Maximum Gross Heat Input <= 30 MMBTU/hr (HHV) for duct burner only. [N.J.A.C. 7:27-22.16(a)]	None.	Maximum Gross Heat Input: Recordkeeping by production records each hour during operation. [N.J.A.C. 7:27-22.16(e)]	None.
6	Duct Burner fuel is limited to natural gas. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
7	Duct Burner may only be operated when the Turbine is operating. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
8	CO <= 50 ppmv @ 15% O ₂ . Except for start- up, shut- down and fuel transfer periods. [N.J.A.C. 7:27-22.16(a)]	CO: Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)]	CO: Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
9	CO <= 9.7 lb/hr. [N.J.A.C. 7:27-22.16(a)]	CO: Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)]	CO: Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]
10	NOx (Total) <= 9.09 lb/hr. [N.J.A.C. 7:27-22.16(a)]	NOx (Total): Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)]	NOx (Total): Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]
11	PM-10 (Total) <= 2.81 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
12	SO2 <= 0.21 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
13	TSP <= 2.81 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
14	VOC (Total) <= 3.01 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
15	The owner or operator shall record the amount of fuel combusted in the duct burner each operating day. [40 CFR 60.48c(g)]	Monitored by fuel flow/firing rate instrument continuously. [40 CFR 60.48c(g)]	Recordkeeping by data acquisition system (DAS) / electronic data storage daily. [40 CFR 60.48c(g)]	None.
16	The owner or operator shall maintain all required records for a period of two years following the date of such record. [40 CFR 60.48c(i)]	None.	None.	None.
17	Sulfur Content in Fuel <= 8,000 ppmw (0.8% by weight). [40 CFR 60.333(b)]	Other: The owner or operator may elect not to monitor the total sulfur content of the gaseous fuel combusted in the turbine if the gaseous fuel is demonstrated to meet the definition of natural gas in 40 CFR 60.331(u) regardless of whether an existing custom schedule approved by the Administrator.[40 CFR 60.334(h)(3)].	Other: The permittee shall maintain records showing the gas quality characteristics in a current, valid purchase contract, tariff sheet or transportation contract for the gaseous fuel, specifying that the maximum total sulfur content of the fuel is 20.0 grains/100 scf or less.[40 CFR 60.334(h)(3)(i)].	None.
18	Butadiene (1,3-) <= 0.0000257 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
19	Acrolein <= 0.000383 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
20	Dimethylbenz(a)anthracene (7,12-) <= 4.71E-7 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

BOP200001

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
21	Benzene <= 0.00078 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
22	Formaldehyde <= 0.0447 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
23	Polycyclic organic matter <= 0.000134 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
24	Arsenic compounds <= 0.00000588 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
25	Beryllium compounds <= 3.53E-7 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
26	Cobalt Emissions <= 0.00000247 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
27	Manganese Emissions <= 0.00000143 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
28	Nickel Emissions <= 0.0000618 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
29	Naphthalene <= 0.0000958 lb/hr. [N.J.A.C. 7:27-16(a)]	None.	None.	None.

BOP200001

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Emission Unit: U17 Cogeneration System (Turbine NG and Oil and Duct Burner NG)

Operating Scenario: OS4 Duct Burner operating on natural gas & Turbine operating on #2 fuel oil

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Opacity <= 20 % opacity, exclusive of visible condensed water vapor, for more than 10 consecutive seconds. [N.J.A.C. 7:27- 3.5]	None.	None.	None.
2	Particulate Emissions <= 14.5 lb/hr. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
3	Sulfur Content in Fuel <= 15 ppmw (0.0015% by weight). [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 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**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
4	Opacity <= 10 % , exclusive of visible condensed water vapor, for more than 10 consecutive seconds, except turbine start-up, shut-down and fuel transfer periods. During start-up, shut-down and fuel transfer periods visible emissions shall not exceed 20% opacity exclusive of visible condensed water vapor for more than ten consecutive seconds. [N.J.A.C. 7:27-22.16(e)]	Opacity: Monitored by visual determination each week during operation. For compliance with the monitoring and record keeping requirements for the opacity standard, 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 exceeding the specified limit are observed, the permittee shall do the following: (1) Verify that the equipment and/or control device causing the emission is operating according to 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 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)]	Opacity: Recordkeeping by manual logging of parameter or storing data in a computer data system each week during operation. The permittee must retain the following records; (1) Date and time of inspection; (2) Emission Point number; (3) Operational status of equipment; (4) Observed results and conclusions; (5) Description of corrective action taken if needed; (6) Date and time opacity problem was solved, if applicable; (7) N.J.A.C. 7:27B-2 results if conducted; and (8) Name of person(s) conducting inspection. [N.J.A.C. 7:27-22.16(o)]	None.

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
5	Maximum Gross Heat Input \leq 59.32 MMBTU/hr (HHV) for the turbine. [N.J.A.C. 7:27-22.16(a)]	None.	Maximum Gross Heat Input: Recordkeeping by other recordkeeping method (provide description) at no required frequency. The owner or operator shall keep records of turbine manufacturer data for the life of the equipment showing the rated Maximum Gross Heat Input, Maximum Rated Power Output and Model Year. [N.J.A.C. 7:27-22.16(e)]	None.
6	Maximum Gross Heat Input \leq 30 MMBTU/hr (HHV) for duct burner only. [N.J.A.C. 7:27-22.16(a)]	None.	Maximum Gross Heat Input: Recordkeeping by production records each hour during operation. [N.J.A.C. 7:27-22.16(e)]	None.
7	Duct Burner fuel is limited to natural gas. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
8	Duct Burner may only be operated when the Turbine is operating. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
9	In the event the carbon monoxide concentration exceeds 50 ppmv corrected to 15% oxygen during periods when the ambient temperature is at or above 25 F, Permittee shall install an oxidation catalyst to reduce the carbon monoxide emission concentration to less than 50 ppmv corrected to 15% oxygen within six months from the date of the exceedance of the carbon monoxide limit. In such event, Permittee does not require approval of permit alteration to install the oxidation catalyst. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
10	CO \leq 9.82 lb/hr. [N.J.A.C. 7:27-22.16(a)]	CO: Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)]	CO: Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]
11	NOx (Total) \leq 17.16 lb/hr. [N.J.A.C. 7:27-22.16(a)]	NOx (Total): Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)]	NOx (Total): Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
12	PM-10 (Total) <= 3.92 lb/hr. [N.J.A.C. 7:27-22.16(a)]	PM-10 (Total): Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)]	PM-10 (Total): Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]
13	SO2 <= 0.11 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
14	TSP <= 3.92 lb/hr. [N.J.A.C. 7:27-22.16(a)]	TSP: Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)]	TSP: Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]
15	VOC (Total) <= 3.04 lb/hr. [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]
16	Arsenic compounds <= 0.000658 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
17	Cadmium compounds <= 0.000317 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
18	Cobalt Emissions <= 0.00000247 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
19	Dimethylbenz(a)anthracene (7,12-) <= 4.71E-7 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
20	Formaldehyde <= 0.0188 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
21	Manganese Emissions <= 0.00599 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
22	Nickel Emissions <= 0.000335 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
23	Polycyclic organic matter <= 0.00237 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
24	Butadiene (1,3-) <= 0.000949 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
25	Benzene <= 0.00332 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
26	Naphthalene <= 0.00209 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
27	Beryllium compounds <= 0.0000187 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
28	Lead Emissions <= 0.00083 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
29	The owner or operator shall record the amount of fuel combusted in the duct burner each operating day. [40 CFR 60.48c(g)]	Monitored by fuel flow/firing rate instrument continuously. [40 CFR 60.48c(g)]	Recordkeeping by data acquisition system (DAS) / electronic data storage daily. [40 CFR 60.48c(g)]	None.
30	The owner or operator shall maintain all required records for a period of two years following the date of such record. [40 CFR 60.48c(i)]	None.	None.	None.
31	Sulfur Content in Fuel <= 8,000 ppmw (0.8% by weight). [40 CFR 60.333(b)]	Other: The permittee shall determine the sulfur content of the fuel using one of the total sulfur sampling options and the associated sampling frequency described in sections 2.2.3, 2.2.4.1, 2.2.4.2, and 2.2.4.3 of appendix D to 40 CFR 75 (i.e., flow proportional sampling, daily sampling, sampling from the unit's storage tank after each addition of fuel to the tank, or sampling each delivery prior to combining it with fuel oil already in the intended storage tank).[40 CFR 60.334(h)(4)(i1)].	Sulfur Content in Fuel: Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. [40 CFR 60.334(h)(4)]	None.

BOP200001

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Emission Unit: U18 Boiler #5 (72.26 MMBtu/hr) Natural Gas and #2 Fuel Oil**Operating Scenario:** OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Summary of Applicable Federal Regulations: 40 CFR Part 60 Subpart A 40 CFR Part 60 Subpart Dc 40 CFR Part 63 Subpart A 40 CFR Part 63 Subpart JJJJJ. [40 CFR Federal Rules Summary]	None.	None.	None.
2	Additional requirements for Boiler #5 are listed in subject item GR4 [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	The boiler shall be equipped with low NOx burners and flue gas recirculation. [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
4	<p>The permittee shall adjust the combustion process annually in the same quarter of each calendar year. The permittee shall:</p> <ol style="list-style-type: none"> 1. Inspect the burner, and clean or replace any components of the burner as necessary; 2. Inspect the flame pattern and make any adjustments to the burner necessary to optimize the flame pattern consistent with the manufacturer's specifications; 3. Inspect the system controlling the air-to-fuel ratio, and ensure that it is correctly calibrated and functioning properly; and 4. Minimize the total emissions of NO_x and CO consistent with the manufacturer's specifications. <p>[N.J.A.C. 7:27-16.8(c)] and [N.J.A.C. 7:27-19.7(g)]</p>	<p>Monitored by periodic emission monitoring annually. The permittee shall:</p> <ol style="list-style-type: none"> 1. Measure the concentrations in the effluent stream of NO_x, CO and O₂ in ppmvd, before and after the adjustment is made; and 2. Convert the emission values of NO_x, CO and O₂ concentrations measured in lb/MMBTU according to the following formula: $\text{Lb/MMBTU} = \text{ppmvd} * \text{MW} * \text{F dry factor} * \text{O}_2 \text{ correction factor} / 387,000,000$, where: ppmvd is the concentration in parts per million by volume, dry basis, of NO_x or CO; MW is the Molecular Weight for NO_x=46 lb/lb-mole, CO=28 lb/lb-mole; F Dry factor for: Natural Gas = 8,710 dscf/MMBTU, Residual or fuel oil = 9,190 dscf/MMBTU; O₂ correction factor: $(20.9\%) / (20.9\% - \text{O}_2 \text{ measured})$, where O₂ measured is percent oxygen on a dry basis. [N.J.A.C. 7:27-19.16(a)] 	<p>Recordkeeping by manual logging of parameter or storing data in a computer data system upon performing combustion adjustment. The permittee shall maintain the following information for each adjustment:</p> <ol style="list-style-type: none"> 1. The date of the adjustment and the times at which it began and ended; 2. The name, title and affiliation of the person who made the adjustment; 3. The NO_x and CO concentrations in the effluent stream, in ppmvd, before and after each actual adjustment was made; 4. The concentration of O₂ (in percent dry basis) at which the CO and NO_x concentrations were measured; 5. A description of any corrective action taken; 6. Results from any subsequent test performed after taking any corrective action, including concentrations and converted emission values in (lb/MMBTU); and 7. The type and amount of fuel used over the 12 months prior to the annual adjustment. <p>The records must be retained for a minimum of five years and to be made readily accessible to the Department upon request. [N.J.A.C. 7:27-19.16(b)] and [N.J.A.C. 7:27-19.19(a)]</p>	<p>Submit a report: within 45 days after the adjustment of the combustion process is completed. The report shall be submitted electronically to: www.nj.gov/dep/aqpp/adjustment.htm. Instructions for submitting this report online are specified at: http://www.nj.gov/dep/aqpp/adjustment.htm. The report shall contain the following information:</p> <ol style="list-style-type: none"> 1. The concentration of NO_x and CO in the effluent stream in ppmvd, and O₂, in percent dry basis, measured before and after the adjustment of the combustion process; 2. The converted emission values in lb/MMBTU for the measurements taken before and after the adjustment of the combustion process; 3. A description of any corrective action taken as part of the combustion adjustment; and 4. The type and amount of fuel used over the 12 months prior to the annual adjustment. [N.J.A.C. 7:27-19.16(d)] and [N.J.A.C. 7:27-19.16(c)]
5	<p>The owner or operator of the adjusted equipment or source operation shall ensure that the operating parameter settings are established and recorded after the combustion process is adjusted and that the adjusted equipment or source operation is maintained to operate consistent with the annual adjustment. [N.J.A.C. 7:27-19.16(e)]</p>	<p>Other: Monitored by the operating parameter settings that are established after the combustion process is adjusted in order to operate consistent with the annual adjustment. [N.J.A.C. 7:27-19.16(e)].</p>	<p>Other: The owner or operator shall record the operating parameter settings that are established after the combustion process is adjusted and retain until the next annual adjustment, to be made readily accessible to the Department upon request. [N.J.A.C. 7:27-19.16(e)].</p>	<p>None.</p>

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
6	All requests, reports, applications, submittals, and other communications required by 40 CFR 60 shall be submitted in duplicate to the EPA Region II Administrator. [40 CFR 60.4(a)]	None.	None.	Other (provide description): As per the approved schedule , submit reports to EPA Region II as required by 40 CFR 60. Submit Information to: Director, Air and Waste Management Division, US Environmental Protection Agency, Region II, 290 Broadway, New York, NY 10007-1866. [40 CFR 60.4(a)]
7	Submit a copy of all requests, reports, applications, submittals, and other communication required by 40 CFR 60 to the Northern Regional Enforcement Office of NJDEP. [40 CFR 60.4(b)]	None.	None.	Other (provide description): As per the approved schedule , submit reports to the Northern Regional Office as required by 40 CFR 60. Submit Information to: Northern Regional Enforcement Office, NJDEP. [40 CFR 60.4(b)]
8	The owner or operator subject to the provisions of 40 CFR Part 60 shall furnish the Administrator written notification or, if acceptable to both the Administrator and the owner or operator of a source, electronic notification, of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless that change is specifically exempted under an applicable subpart or in subsection 60.14(e). The notification shall include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of facility before and after the change and the expected completion date of the change. Notification shall be postmarked within 60 days or soon as practicable before any change is commenced. [40 CFR 60.7(a)(4)]	None.	None.	Submit notification: Upon occurrence of event to EPA Region II and the Northern Regional Enforcement Office of NJDEP as required by 40 CFR 60.7. [40 CFR 60.7(a)(4)]
9	The owner or operator shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility, any malfunction of air pollution control equipment or any periods during which continuous monitoring system or monitoring device is inoperative. [40 CFR 60.7(b)]	None.	Recordkeeping by manual logging of parameter upon occurrence of event. The records should be kept in a permanent form suitable for inspections. [40 CFR 60.7(b)]	None.

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
10	Performance tests shall be conducted under conditions the Administrator specifies to the plant operator based on representative performance of the affected facility. Operations during periods of startup, shutdown and malfunction shall not constitute representative conditions for the purpose of the performance test nor shall emissions in excess of the level of the applicable emission limit be considered a violation of the applicable emission limit unless otherwise specified in the applicable standard. [40 CFR 60.8(c)]	None.	None.	None.
11	The NSPS opacity standard shall apply at all times except during periods of startup, shutdown, malfunctions and as otherwise provided in the applicable standard. [40 CFR 60.11(c)]	None.	None.	None.
12	At all times, including periods of start-up, shutdown, and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, opacity observations, review of operation and maintenance procedures, and inspection of the source. [40 CFR 60.11(d)]	None.	None.	None.

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
13	For the purpose of demonstrating initial compliance, opacity observations shall be conducted concurrently with the initial performance test required in 40 CFR Part 60.8. If no performance test under 60.8 is required to be performed, then opacity observations shall be conducted within 60 days after achieving the maximum production rate at which the affected facility will be operated but no later than 180 days after initial startup of the facility. [40 CFR 60.11(e)(1)]	Other: Visual determination in accordance with EPA Method 9. Once initially, and as established in accordance with 40 CFR 60.47c(a).[40 CFR 60.11(e)(1)].	Other: Recordkeeping by manual logging of observations. Once initially, and as established in accordance with 40 CFR 60.47c(a). The owner or operator of an affected facility shall make available, upon request by the Administrator, such records as may be necessary to determine the conditions under which the visual observations were made and shall provide evidence indicating proof of current visible observer emission certification.[40 CFR 60.11(e)(1)].	Submit a report: At a common schedule agreed upon by the operator and the Administrator. The owner or operator shall report to the Administrator and the Northern Regional Enforcement Office of NJDEP the opacity results along with the results of the initial performance tests required under 40 CFR 60.8. [40 CFR 60.11(e)(1)]
14	Except as provided in 40 CFR 60.11(e)(3), the owner or operator of an affected facility to which an opacity standard in 40 CFR 60 applies shall conduct opacity observations in accordance with 40 CFR 60.11(b), shall record the opacity of emissions, and shall report to the Administrator the opacity results along with the results of the initial performance test required under 40 CFR 60.8. The inability of an owner or operator to secure a visible emissions observer shall not be considered a reason for not conducting the opacity observations concurrent with the initial performance test. [40 CFR 60.11(e)(2)]	Other: Visual determination in accordance with EPA Method 9. Once initially, and as established in accordance with 40 CFR 60.47c(a).[40 CFR 60.11(e)(2)].	Other: Recordkeeping by manual logging of observations. Once initially, and as established in accordance with 40 CFR 60.47c(a).[40 CFR 60.11(e)(2)].	Submit a report: At a common schedule agreed upon by the operator and the Administrator. The owner or operator shall report to the Administrator and the Northern Regional Enforcement Office of NJDEP the opacity results along with the results of the initial performance tests required under 40 CFR 60.8. [40 CFR 60.11(e)(2)]
15	No owner or operator subject to NSPS standards in Part 60, shall build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere. [40 CFR 60.12]	None.	None.	None.

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
16	Changes in time periods for submittal of information and postmark deadlines set forth in 40 CFR 60, may be made only upon approval by the Administrator and shall follow procedures outlined in 40 CFR Part 60.19. [40 CFR 60.19]	None.	None.	None.
17	Opacity <= 20 % , except for one 6-minute period per hour of not more than 27 percent opacity. The opacity standards under 40 CFR 60.43c apply at all times, except during periods of startup, shutdown, or malfunction. [40 CFR 60.43c(c)] and. [40 CFR 60.43c(d)]	Opacity: Monitored by visual determination at the approved frequency, based on 6 minute blocks in accordance with EPA Method 9 in Appendix A of 40 CFR 60. [40 CFR 60.45c(a)]	Opacity: Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. [40 CFR 60.48c(c)]	Submit a report: Semi-annually on January 31 and July 31 of each year. The owner or operator shall submit to the Administrator and the Northern Regional Enforcement Office of NJDEP the performance test data from the initial and any subsequent performance tests. [40 CFR 60.48c(b)] &. [40 CFR 60.8]
18	Sulfur Content in Fuel <= 0.5 % by weight. Compliance with the fuel oil sulfur limits of this section shall be determined on a 30-day rolling average basis. This fuel oil sulfur limit applies at all times, including periods of startup, shutdown, and malfunction. [40 CFR 60.42c(d)] &. [40 CFR 60.42c(i)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery. [40 CFR 60.46c(d)(2)]	Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery [40 CFR 60.44c(f)], [40 CFR 60.44c(h)], and. [40 CFR 60.48c(e)(11)]	Submit a report: Semi-annually on January 31 and July 31 of each year. The reporting period for the reports required under this subpart is each six-month period. All reports shall be submitted to the Administrator and the Northern Regional Enforcement Office of NJDEP [as per 40 CFR 60.4(a)], and shall be postmarked by the 30th day following the end of the reporting period. The owner or operator of the affected facility subject to fuel oil sulfur limits shall keep records and submit reports of the following information. Calendar dates covered in the reporting period, each 30-day average sulfur content (weight percent) calculated during the reporting period ending with the last 30-day period, the reasons for any noncompliance with the emission standards, a description of corrective actions taken, the name of the oil supplier, and a statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil in 40 CFR 60.41c. [40 CFR 60.44c(h)], [40 CFR 60.48c(d)], [40 CFR 60.48c(j)], [40 CFR 60.48c(f)] &. [40 CFR 60.48c(e)]

BOP200001

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
19	The owner or operator shall record the amount of each fuel combusted in the boiler each operating day. [40 CFR 60.48c(g)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system daily. [40 CFR 60.48c(g)]	None.
20	Particulate Emissions <= 13.2 lb/hr. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
21	VOC (Total) <= 50 ppmvd @ 7% O ₂ . [N.J.A.C. 7:27-16.8(b)1]	None.	None.	None.
22	CO <= 100 ppmvd @ 7% O ₂ . [N.J.A.C. 7:27-16.8(b)2]	None.	None.	None.
23	NO _x (Total) <= 0.12 lb/MMBTU. [N.J.A.C. 7:27-19.7(i)1]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: U18 Boiler #5 (72.26 MMBtu/hr) Natural Gas and #2 Fuel Oil
Operating Scenario: OS1 Boiler #5 operating with 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.

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
2	<p>The permittee shall adjust the combustion process for the boiler annually in the same quarter of each calendar year. The permittee shall:</p> <ol style="list-style-type: none"> Inspect the burner, and clean or replace any components of the burner as necessary; Inspect the flame pattern and make any adjustments to the burner necessary to optimize the flame pattern consistent with the manufacturer's specifications; Inspect the system controlling the air-to-fuel ratio, and ensure that it is correctly calibrated and functioning properly; and Minimize total emissions of NOx and CO consistent with the manufacturer's specifications. <p>[N.J.A.C. 7:27-16.8(b)3 & [N.J.A.C. 7:27-19.7(g)3]</p>	<p>Monitored by periodic emission monitoring annually When conducting a combustion adjustment, the permittee shall:</p> <ol style="list-style-type: none"> Measure the concentration in the effluent stream of NOx and CO in ppmvd, before and after the adjustment is made; and; Convert the emission values of the NOx and CO concentrations to pounds per million BTU (lb/MM BTU) according to the formula: $\text{lb/MM BTU} = \text{ppmvd} \times \text{MW} \times \text{F dry factor} \times \text{O2 correction factor} / 387,000,000$ <p>Where: ppmvd is the concentration in parts per million by volume, dry basis, of NOx or CO</p> <p>MW is the Molecular Weight for:</p> <p>NOx = 46 lb/lb-mole; CO = 28 lb/lb-mole</p> <p>F dry factor for:</p> <p>Natural gas = 8,710 dscf/MM BTU</p> <p>Residual or fuel oil = 9,190 dscf/MM BTU</p> <p>O2 correction factor: (20.9%) / (20.9% - O2 measured)</p> <p>O2 measured is percent oxygen on a dry basis. [N.J.A.C. 7:27-19.16(a)]</p>	<p>Recordkeeping by manual logging of parameter or storing data in a computer data system annually 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:</p> <ol style="list-style-type: none"> The date of the adjustment and the times at which it began and ended; The name, title and affiliation of the person whom made the adjustment; The NOx and CO concentrations in the effluent stream, in ppmvd, before and after each actual adjustment was made; The concentration of O2 (in percent dry basis) at which the CO and NOx concentrations were measured; A description of any corrective action taken; Results from any subsequent test performed after taking any corrective action, including concentrations and converted emission values in pounds per million BTU (lb/MMBTU); and The type and amount of fuel used over the 12 months prior to the annual adjustment. [N.J.A.C. 7:27-19.16(b)] 	<p>Submit a report: within 45 days after the adjustment of the combustion process is completed The report shall be submitted electronically through www.njdeponline.com. The report shall contain the following information:</p> <ol style="list-style-type: none"> The concentration of NOx and CO in the effluent stream in ppmvd, and O2, in percent dry basis, measured before and after the adjustment of the combustion process; The converted emission values in lb/MMBTU for the measurements taken before and after the adjustment of the combustion process; A description of any corrective action taken as part of the combustion adjustment; and The type and amount of fuel used over the 12 months prior to the annual adjustment. [N.J.A.C. 7:27-19.16(d)]

BOP200001

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
3	The owner or operator of the adjusted equipment or source operation shall ensure that the operating parameter settings are established and recorded after the combustion process is adjusted and that the adjusted equipment or source operation is maintained to operate consistent with the annual adjustment. [N.J.A.C. 7:27-19.16(e)]	Other: Monitor and maintain the operating parameter settings that are established after the combustion process is adjusted in order to operate consistent with the annual adjustment. [N.J.A.C. 7:27-22.16(o)].	Recordkeeping by manual logging of parameter or storing data in a computer data system at the approved frequency upon performing combustion adjustment. The owner or operator shall record the operating parameter settings that are established after the combustion process is adjusted. [N.J.A.C. 7:27-19.16(e)]	None.
4	VOC (Total) <= 0.36 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
5	NOx (Total) <= 2.17 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
6	CO <= 3.61 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
7	SO2 <= 0.36 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
8	TSP <= 0.35 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
9	PM-10 (Total) <= 0.35 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
10	Maximum Gross Heat Input <= 72.26 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
11	Cadmium compounds <= 0.0000779 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
12	Cobalt Emissions <= 0.00000596 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
13	Dimethylbenz(a)anthracene (7,12-) <= 0.00000113 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
14	Formaldehyde <= 0.00531 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
15	Manganese Emissions <= 0.0000269 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
16	Nickel Emissions <= 0.000149 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

BOP200001

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Emission Unit: U18 Boiler #5 (72.26 MMBtu/hr) Natural Gas and #2 Fuel Oil

Operating Scenario: OS2 Boiler #5 operating with #2 fuel oil

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	No visible emissions except for a period of not longer than three minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-3.2(a)] &. [N.J.A.C. 7:27- 3.2(c)]	Monitored by visual determination each week during operation. 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. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system each week during operation. The permittee must retain the following records: (1) Date and time of inspection; (2) Emission Point number; (3) Operational status of equipment; (4) Observed results and conclusions; (5) Description of corrective action taken if needed; (6) Date and time opacity problem was solved, if applicable; (7) N.J.A.C. 7:27B-2 results if conducted; and (8) Name of person(s) conducting inspection. [N.J.A.C. 7:27-22.16(o)]	Conduct an inspection: Upon occurrence of event. 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)]
2	Sulfur Content in Fuel <= 15 ppmw (0.0015% by weight). [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 invoices / bills of lading / certificate of analysis per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	None.
3	VOC (Total) <= 1.39 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
4	NOx (Total) <= 6.95 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
5	CO <= 3.47 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
6	SO2 <= 0.112 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	TSP <= 3.47 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
8	PM-10 (Total) <= 3.47 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
9	Maximum Gross Heat Input <= 72.26 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
10	Arsenic compounds <= 0.000672 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
11	Cadmium compounds <= 0.000203 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
12	Cobalt Emissions <= 0.00306 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
13	Formaldehyde <= 0.0168 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
14	Manganese Emissions <= 0.00153 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
15	Nickel Emissions <= 0.043 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
16	Chromium (Hexavalent) Emissions <= 0.000126 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
17	No owner or operator subject to the provisions of MACT Subpart A in 40 CFR 63 shall build, erect, install, or use any article, machine, equipment, or process to conceal an emission that would otherwise constitute noncompliance with a relevant standard. Such concealment includes, but is not limited to: (1) The use of diluents to achieve compliance with a relevant standard based on the concentration of a pollutant in the effluent discharged to the atmosphere; (2) The use of gaseous diluents to achieve compliance with a relevant standard for visible emissions. [40 CFR 63.4(b)]	None.	None.	None.

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
18	The owner and operator must not use fragmentation or phasing of reconstruction activities (i.e., intentionally dividing reconstruction into multiple parts for purposes of avoiding new source requirements) to avoid becoming subject to new source requirements. [40 CFR 63.4(c)]	None.	None.	None.
19	The owner or operator must operate and maintain any affected source at all times, including periods of startup, shutdown, and malfunction, including associated air pollution control equipment and monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures (including the startup, shutdown, and malfunction plan required in 40 CFR 63.6(e)(3), review of operation and maintenance records, and inspection of the source. [40 CFR 63.6(e)(1)(i)]	None.	None.	None.
20	The owner or operator shall correct malfunctions as soon as practicable after their occurrence. To the extent that an unexpected event arises during a startup, shutdown, or malfunction, the owner or operator must comply by minimizing emissions during such a startup, shutdown, and malfunction event consistent with safety and good air pollution control practices. [40 CFR 63.6(e)(1)(ii)]	None.	None.	None.

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
21	The owner or operator of a new or reconstructed affected source must provide the following information to the Administrator: notification of intention to construct a new affected source, reconstruct an affected source, or reconstruct a source such that the source becomes an affected source: notification of the actual date of startup of the source shall be delivered or postmarked within 15 calendar days after that date. [40 CFR 63.9(b)(5)]	None.	Recordkeeping by other recordkeeping method (provide description) once initially. Notification records shall be maintained and recorded in a form suitable and readily available for expeditious inspection and review for at least 5 years following the date of each record. At minimum, the most recent two years of data shall be retained on site. The remaining 3 years of data may be retained off site. Such files may be maintained on microfilm, on a computer, on a computer floppy disks, on magnetic tape disks, or on microfiche. [40 CFR 63.10(b)(1)]	Submit notification: Upon occurrence of event. [40 CFR 63.9(b)(5)]
22	After a title V permit has been issued, the owner or operator shall comply with all requirements for compliance status reports contained in the source's title V permit, including reports required under 40 CFR 63. After a title V permit has been issued to the owner or operator of an affected source, and each time a notification of compliance status is required under this part, the owner or operator of such source shall submit the notification of compliance status to the appropriate permitting authority following completion of the relevant compliance demonstration activity specified in the relevant standard. [40 CFR 63.9(h)(3)]	None.	Recordkeeping by other recordkeeping method (provide description) upon occurrence of event. Notification records shall be maintained for at least 5 years following the date of each record. At minimum, the most recent two years of data shall be retained on site. The remaining 3 years of data may be retained off site. Such files may be maintained on microfilm, on a computer, on a computer floppy disks, on magnetic tape disks, or on microfiche. [40 CFR 63.10(b)(1)]	Submit notification: As per the approved schedule. The notification shall be sent before the close of business on the 60th day following the completion of the relevant compliance demonstration to NJDEP. [40 CFR 63.9(h)(3)]

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
23	The owner or operator shall submit all information required under 40 CFR 63 to the Regional Enforcement Office of NJDEP. In addition, per 40 CFR 63.9(a)(4)(ii), the owner or operator shall send a copy of each report submitted to NJDEP under 40 CFR 63 to Director, Division of Enforcement and Compliance Assistance, USEPA Region 2, 290 Broadway, New York, NY 10007-1866. [40 CFR 63.10(a)(4)(ii)]	None.	Other: The owner or operator of an affected source subject to the provisions of this part shall maintain files of all information (including all reports and notifications) required by this part recorded in a form suitable and readily available for expeditious inspection and review. The files shall be retained for at least 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent 2 years of data shall be retained on site. The remaining 3 years of data may be retained off site. Such files may be maintained on microfilm, on a computer, on computer floppy disks, on magnetic tape disks, or on microfiche. [40 CFR 63.10(b)(1)].	Other (provide description): As per the approved schedule. Submit reports and notifications as required by 40 CFR 63 to EPA Region 2 and NJDEP. [40 CFR 63.13(b)]
24	General recordkeeping requirements. The owner or operator shall maintain files of all information (including all reports and notifications) required by 40 CFR 63 recorded in a form suitable and readily available for expeditious inspection and review. The files shall be retained for at least 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent 2 years of data shall be retained on site. The remaining 3 years of data may be retained off site. The owner or operator shall maintain relevant records per 40 CFR 63.10(b)(2) and 40 CFR 63.10(c). [40 CFR 63.10(b)(1)]	None.	None.	None.

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
25	The permittee must provide notice of the date upon which the permittee switched fuels, made the physical change, or took a permit limit that may result in the applicability of a different subcategory or switch out of 40 CFR Part 63, Subpart JJJJJ due to a switch to 100 percent natural gas. The notice must be provided within 30 days of the change. [40 CFR 63.11225(g)]	None.	None.	Submit notification: Upon occurrence of event. Submit a written notification to the Administrator, EPA Region 2. The notification must identify: (1) The name of the owner or operator of the affected source, the location of the source, the boiler(s) that have switched fuels, were physically changed, or took a permit limit, and the date of the notice. (2) The date upon which the fuel switch, physical change, or permit limit occurred. [40 CFR 63.11225(g)]
26	The permittee must comply with the applicable General Provisions according to Table 8 to Subpart JJJJJ to 40 CFR Part 63. [40 CFR 63.11235]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Profile (General)

Facility Name (AIMS): COE Bridgewater LLC, c/o Thor Equities, LL

Facility ID (AIMS): 35832

Street 1021 RT 202-206

Address: BRIDGEWATER, NJ 08807-0800

Mailing 1021 RT 202-206

Address: BRIDGEWATER, NJ 08807-0800

State Plane Coordinates:

X-Coordinate: 454,844

Y-Coordinate: 652,206

Units: Feet

Datum: NAD83

Source Org.: Other/Unknown

Source Type: Hard Copy Map

County: Somerset

Location Facility is located 2 miles south of the town of

Description: Pluckemin and near the town of Somerville.

The western side of the site is bordered by
Interstate I-287 and the eastern side by Routes
202-206. The entrance to the site is on Route
202-206.

Industry:

Primary SIC: 8731

Secondary SIC:

NAICS: 531210

New Jersey Department of Environmental Protection
Facility Profile (General)

Contact Type: Air Permit Information Contact

Organization: COE Bridgewater LLC c/o Thor Equities, LLC **Org. Type:** Corporation
Name: Chris Galvin **NJ EIN:** 42161293900
Title: General Manager
Phone: (908) 254-3140 x **Mailing Address:** 1021 US HWY 202/206
Fax: (908) 719-7618 x Bridgewater, NJ 08807
Other: () - x
Type:
Email: cgalvin@thorequities.com

Contact Type: Consultant

Organization: ERM Consulting **Org. Type:**
Name: Josh Hemperly **NJ EIN:**
Title: Senior Consultant
Phone: (609) 403-7554 x **Mailing Address:** 200 Princeton South Corporate Center
Fax: () - x Suite 160
Other: () - x Ewing, NJ 08560
Type:
Email: Josh.Hemperly@erm.com

Contact Type: Emission Statements

Organization: COE Bridgewater LLC c/o Thor Equities, LLC **Org. Type:** Corporation
Name: Chris Galvin **NJ EIN:** 42161293900
Title: General Manager
Phone: (908) 254-3140 x **Mailing Address:** 1021 US HWY 202/206
Fax: (908) 719-7618 x Bridgewater, NJ 08807
Other: () - x
Type:
Email: cgalvin@thorequities.com

New Jersey Department of Environmental Protection
Facility Profile (General)

Contact Type: Fees/Billing Contact

Organization: COE Bridgewater LLC c/o Thor Equities, LLC **Org. Type:** Corporation
Name: Chris Galvin **NJ EIN:** 42161293900
Title: General Manager
Phone: (908) 254-3140 x **Mailing Address:** 1021 US HWY 202/206
Fax: (908) 719-7618 x Bridgewater, NJ 08807
Other: () - x
Type:
Email: cgalvin@thorequities.com

Contact Type: General Contact

Organization: **Org. Type:**
Name: **NJ EIN:**
Title:
Phone: () - x **Mailing Address:**
Fax: () - x
Other: () - x
Type:
Email:

Contact Type: Operator

Organization: COE Bridgewater LLC c/o Thor Equities, LLC **Org. Type:** Corporation
Name: COE Bridgewater LLC c/o Thor Equities **NJ EIN:** 42161293900
Title: Owner
Phone: (212) 529-5055 x **Mailing Address:** 1021 US HWY 202/206
Fax: () - x Bridgewater, NJ 08807
Other: () - x
Type:
Email: cgalvin@thorequities.com

New Jersey Department of Environmental Protection
Facility Profile (General)

Contact Type: Owner (Current CO-1)

Organization:

Org. Type:

Name:

NJ EIN:

Title:

Phone: () - x

Mailing
Address:

Fax: () - x

Other: () - x

Type:

Email:

Contact Type: Owner (Current Primary)

Organization: COE Bridgewater LLC c/o Thor Equities, LLC

Org. Type: Corporation

Name: COE Bridgewater c/o Thor Equities, LLC

NJ EIN: 42161293900

Title: Owner

Phone: (212) 529-5055 x

Mailing
Address: 1021 US HWY 202/206
Bridgewater, NJ 08807

Fax: () - x

Other: () - x

Type:

Email: cgalvin@thorequities.com

Contact Type: Owner (Former)

Organization: CIP II/AR Bridgewater Holdings, LLC

Org. Type: Corporation

Name: CIP II/AR Bridgewater Holdings, LLC

NJ EIN: 42161293900

Title:

Phone: (908) 719-3000 x

Mailing
Address: 1021 US HWY 202/206
Bridgewater, NJ 08807

Fax: () - x

Other: () - x

Type:

Email:

COE BRIDGEWATER LLC (35832)
BOP200001

Date: 6/11/2025

New Jersey Department of Environmental Protection
Facility Profile (General)

Contact Type: Responsible Official

Organization: COE Bridgewater LLC c/o Thor Equities, LLC

Org. Type: Corporation

Name: Chris Galvin

NJ EIN: 42161293900

Title: General Manager

Phone: (908) 254-3140 x

Mailing 1021 US HWY 202/206

Fax: (908) 719-7618 x

Address: Bridgewater, NJ 08807

Other: () - x

Type:

Email: cgalvin@thorequities.com

New Jersey Department of Environmental Protection
Insignificant Source Emissions

IS NJID	Source/Group Description	Equipment Type	Location Description	Estimate of Emissions (tpy)								
				VOC (Total)	NO _x	CO	SO	TSP	PM-10	Pb	HAPS (Total)	Other (Total)
IS2	Gasoline Aboveground Storage Tank(s) (< 2,000 gal capacity)	Storage Vessel	Gasoline AST(s)									
IS4	Chemical and Waste Storage Container(s) (<2,000 gal capacity)	Storage Vessel	Waste Storage Containers									
IS5	Brine Tank (s) (<2,000 ft3 capacity)	Storage Vessel	Brine Tank(s)									
IS6	Oil Water Separator(s) (<50 lb/hr wastewater processed)	Storage Vessel	Oil Water Separator(s)									
IS7	Five (5) Distillate Fuel Oil Aboveground Storage Tanks which have capacities > 10,000 gallons	Storage Vessel	Facility Wide									
Total				1.000	0.000	0.000	0.000	0.200	0.200	0.000	0.50000000	0.000

**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
E1	B-1 Boiler	Boiler #1	Boiler	047833	1/1/1970	No	3/17/1994	
E2	B-2 Boiler	Boiler #2	Boiler	047834	6/12/1978	No	3/17/1994	
E3	B-3 Boiler	Boiler #3	Boiler	047835	6/12/1978	No	3/17/1994	
E9	EG-1 Gener.	Emergency Generator #1	Emergency Generator	116309	1/1/1983	No	7/16/2001	
E10	EG-2 Gener.	Emergency Generator #2	Emergency Generator	121110	1/29/1991	No	7/16/2001	
E12	EG-4 Gener.	Emergency Generator #4	Emergency Generator	01950888	1/1/1970	No	7/16/2001	
E14	EG-5 Gener.	Emergency Generator #5	Emergency Generator	GEN 980001	10/22/1998	No	7/16/2001	
E18	D-1 Duct B.	Duct Burner	Duct Burner	125891	1/29/1993	No	4/17/1998	
E19	EG-7 Gener.	Emergency Generator #7	Emergency Generator	PCP010002	1/1/2002	No		
E22	EG-6	Emergency Generator #6	Emergency Generator	PCP010002	4/1/2001	No		
E23	B-5 Boiler	Boiler #5	Boiler	PCP010001	8/31/2001	No		
E24	T-1 Turbine	Turbine	Combustion Turbine	NEW	8/1/2002	No		

35832 COE BRIDGEWATER LLC BOP200001 E1 (Boiler)
Print Date: 4/24/2025

Make:	<input type="text" value="Cleaver Brooks"/>
Manufacturer:	<input type="text" value="Cleaver Brooks"/>
Model:	<input type="text" value="D52, WL-1398"/>
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	<input type="text" value="39.36"/>
Boiler Type:	<input type="text" value="Package"/>
Utility Type:	<input type="text" value="Non-Utility"/>
Output Type:	<input type="text" value="Steam Only"/>
Steam Output (lb/hr):	<input type="text"/>
Fuel Firing Method:	<input type="text" value="Wall-fired or cross-fired"/>
Description (if other):	<input type="text"/>
Draft Type:	<input type="text" value="Forced"/>
Heat Exchange Type:	<input type="text" value="Indirect"/>

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

Low NOx Burner:	<input type="checkbox"/>	Type: <input type="text"/>
Staged Air Combustion:	<input type="checkbox"/>	
Flue Gas Recirculation (FGR):	<input type="checkbox"/>	Amount (%): <input type="text"/>

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:

35832 COE BRIDGEWATER LLC BOP200001 E2 (Boiler)
Print Date: 4/24/2025

Make:	<input type="text" value="Cleaver Brooks"/>
Manufacturer:	<input type="text" value="Cleaver Brooks"/>
Model:	<input type="text" value="D52, WL-1399"/>
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	<input type="text" value="39.36"/>
Boiler Type:	<input type="text" value="Package"/>
Utility Type:	<input type="text" value="Non-Utility"/>
Output Type:	<input type="text" value="Steam Only"/>
Steam Output (lb/hr):	<input type="text"/>
Fuel Firing Method:	<input type="text" value="Wall-fired or cross-fired"/>
Description (if other):	<input type="text"/>
Draft Type:	<input type="text" value="Forced"/>
Heat Exchange Type:	<input type="text" value="Indirect"/>

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

Low NOx Burner:	<input type="checkbox"/>	Type: <input type="text"/>
Staged Air Combustion:	<input type="checkbox"/>	
Flue Gas Recirculation (FGR):	<input type="checkbox"/>	Amount (%): <input type="text"/>

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:

35832 COE BRIDGEWATER LLC BOP200001 E3 (Boiler)
Print Date: 4/24/2025

Make:	<input type="text" value="Cleaver Brooks"/>
Manufacturer:	<input type="text" value="Cleaver Brooks"/>
Model:	<input type="text" value="D52, WL-2756"/>
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	<input type="text" value="39.36"/>
Boiler Type:	<input type="text" value="Package"/>
Utility Type:	<input type="text" value="Non-Utility"/>
Output Type:	<input type="text" value="Steam Only"/>
Steam Output (lb/hr):	<input type="text"/>
Fuel Firing Method:	<input type="text" value="Wall-fired or cross-fired"/>
Description (if other):	<input type="text"/>
Draft Type:	<input type="text" value="Forced"/>
Heat Exchange Type:	<input type="text" value="Indirect"/>

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

Low NOx Burner:	<input type="checkbox"/>	Type: <input type="text"/>
Staged Air Combustion:	<input type="checkbox"/>	
Flue Gas Recirculation (FGR):	<input type="checkbox"/>	Amount (%): <input type="text"/>

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:

35832 COE BRIDGEWATER LLC BOP200001 E9 (Emergency Generator)
Print Date: 4/24/2025

Make:	<input type="text" value="Cummins"/>
Manufacturer:	<input type="text" value="Cummins"/>
Model:	<input type="text" value="KTA50-G1"/>
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	<input type="text" value="10.40"/>
Will the equipment be used in excess of 500 hours per year?	<input type="radio"/> Yes <input checked="" type="radio"/> No
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="radio"/> Yes <input checked="" type="radio"/> No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="radio"/> Yes <input checked="" type="radio"/> No
Comments:	

35832 COE BRIDGEWATER LLC BOP200001 E10 (Emergency Generator)
Print Date: 4/24/2025

Make: Cummins
Manufacturer: Cummins
Model: KTA50-G1

Maximum rated Gross Heat
Input (MMBtu/hr-HHV): 10.40

Will the equipment be used
in excess of 500 hours per
year?
☐ Yes
☒ No

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

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

Comments:

35832 COE BRIDGEWATER LLC BOP200001 E12 (Emergency Generator)
Print Date: 4/24/2025

Make: Cummins
Manufacturer: Cummins
Model: NT855

Maximum rated Gross Heat
Input (MMBtu/hr-HHV): 2.84

Will the equipment be used
in excess of 500 hours per
year? ☐ Yes
☒ No

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

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

Comments:

35832 COE BRIDGEWATER LLC BOP200001 E14 (Emergency Generator)
Print Date: 4/24/2025

Make: Cummins
Manufacturer: Cummins
Model: 1250DFLC

Maximum rated Gross Heat
Input (MMBtu/hr-HHV): 11.50

Will the equipment be used
in excess of 500 hours per
year?
☐ Yes
☒ No

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

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

Comments:

35832 COE BRIDGEWATER LLC BOP200001 E18 (Duct Burner)
Print Date: 4/24/2025

Make:	Davis Housing with Coen Rails and Pilots
Manufacturer:	Davis Housing with Coen Rails and Pilots
Model:	
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	30.00
Equipment Type Description:	Duct Burner

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

<input type="radio"/>	Yes
<input checked="" type="radio"/>	No

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

<input type="radio"/>	Yes
<input checked="" type="radio"/>	No

Comments:

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

35832 COE BRIDGEWATER LLC BOP200001 E19 (Emergency Generator)
Print Date: 4/24/2025

Make: Caterpillar
Manufacturer: Caterpillar
Model: 3516

Maximum rated Gross Heat
Input (MMBtu/hr-HHV): 19.00

Will the equipment be used
in excess of 500 hours per
year?
☐ Yes
☒ No

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

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

Comments:

35832 COE BRIDGEWATER LLC BOP200001 E22 (Emergency Generator)
Print Date: 4/24/2025

Make: Caterpillar
Manufacturer: Caterpillar
Model: 3508

Maximum rated Gross Heat
Input (MMBtu/hr-HHV): 10.00

Will the equipment be used
in excess of 500 hours per
year?
☐ Yes
☒ No

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

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

Comments:

35832 COE BRIDGEWATER LLC BOP200001 E23 (Boiler)
Print Date: 4/24/2025

Make:	Babcock & Wilcox
Manufacturer:	Babcock & Wilcox
Model:	FM 10-79
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	72.26
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	
Fuel Firing Method:	Wall-fired or cross-fired
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

Low NOx Burner:	<input checked="" type="checkbox"/> Type:	
Staged Air Combustion:	<input checked="" type="checkbox"/>	
Flue Gas Recirculation (FGR):	<input checked="" type="checkbox"/> Amount (%):	5.00

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:

35832 COE BRIDGEWATER LLC BOP200001 E24 (Combustion Turbine)
Print Date: 4/24/2025

Make:	Centaur 50 Solonox		
Manufacturer:	Solar Turbines		
Model:	T-6210 Dual Fuel Solonox		
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	59.86		
Type of Turbine:	Industrial		
Type of Cycle:	Regenerative-Cycle	Description:	
Industrial Application:	Electrical Generator	Description:	
Power Output:	5.20	Units:	Megawatts
Is the combustion turbine using (check all that apply):			
A Dry Low NOx Combustor:	<input checked="" type="checkbox"/>		
Steam Injection:	<input type="checkbox"/>	Steam to Fuel Ratio:	
Water Injection:	<input type="checkbox"/>	Water to Fuel Ratio:	
Other:	<input checked="" type="checkbox"/>	Description:	Solonox Technolc
Is the turbine Equipped with a Duct Burner?	<input checked="" type="radio"/> Yes <input type="radio"/> No		
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="radio"/> Yes <input checked="" type="radio"/> No	Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="radio"/> Yes <input checked="" type="radio"/> No
Comments:			

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.		
PT1	B-1	Boiler #1 Stack	Round	36	60	900	420.0	300.0	600.0	14,916.0	9,500.0	20,000.0	Up	
PT2	B-2	Boiler #2 Stack	Round	36	60	920	420.0	300.0	600.0	14,916.0	9,500.0	20,000.0	Up	
PT3	B-3	Boiler #3 Stack	Round	36	60	940	420.0	300.0	600.0	14,916.0	9,500.0	20,000.0	Up	
PT9	EG-1	Emergency Generator #1 Stack	Round	12	22	920	900.0	600.0	1,200.0	9,135.0	5,000.0	12,000.0	Up	
PT10	EG-2	Emergency Generator #2 Stack	Round	12	20	920	900.0	600.0	1,200.0	9,135.0	5,000.0	12,000.0	Up	
PT12	EG-4	Emergency Generator #4 Stack	Round	4	8	900	900.0	600.0	1,200.0	2,400.0	1,500.0	5,000.0	Horizontal	
PT14	EG-5	Emergency Generator #5 Stack	Round	8	10	315	900.0	600.0	1,200.0	5,000.0	3,000.0	9,000.0	Up	
PT17	C-1	Cogeneration System Stack	Round	42	60	920	987.0	600.0	1,200.0	90,500.0	55,000.0	99,000.0	Up	
PT18	C-2	Cogeneration System Bypass Stack	Round	48	60	920	987.0	600.0	1,200.0	90,500.0	55,000.0	99,000.0	Up	
PT19	EG-7	Emergency Generator #7 Stack	Round	10	15	250	500.0	250.0	850.0	15,000.0	10,000.0	22,966.0	Up	
PT22	EG-6	Emergency Generator #6 Stack	Round	10	15	800	500.0	250.0	750.0	5,000.0	1,000.0	7,376.0	Up	
PT23	B-5	Boiler #5 Stack	Round	36	60	850	300.0	270.0	315.0	15,000.0	2,528.0	26,204.0	Up	

COE BRIDGEWATER LLC (35832)
BOP200001

Date: 6/11/2025

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

U 1 B-1 B-2 B-3 Boilers #1, #2, #3 (39.96 MMBtu/hr each) Natural Gas and #2 Fuel Oil, each boiler with a separate stack.

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS1	B-1NG	Boiler #1 operating with natural gas	Normal - Steady State	E1		PT1	1-02-006-02	0.0	8,760.0		9,500.0	20,000.0	300.0	600.0
OS2	B-1O	Boiler #1 operating with #2 fuel oil	Normal - Steady State	E1		PT1	1-02-005-02 1-02-005-01	0.0	8,760.0		9,500.0	20,000.0	300.0	600.0
OS3	B-2NG	Boiler #2 operating with natural gas	Normal - Steady State	E2		PT2	1-02-006-02	0.0	8,760.0		9,500.0	20,000.0	300.0	600.0
OS4	B-2O	Boiler #2 operating with #2 fuel oil	Normal - Steady State	E2		PT2	1-02-005-02 1-02-005-01	0.0	8,760.0		9,500.0	20,000.0	300.0	600.0
OS5	B-3NG	Boiler #3 operating with natural gas	Normal - Steady State	E3		PT3	1-02-006-02	0.0	8,760.0		9,500.0	20,000.0	300.0	600.0
OS6	B-3O	Boiler #3 operating with #2 fuel oil	Normal - Steady State	E3		PT3	1-02-005-01 1-02-005-02	0.0	8,760.0		9,500.0	20,000.0	300.0	600.0

U 9 Emerg Gnrt Six Emergency Generators, each with sepearte emission points.

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS1	EG-1	Emergency Generator #1	Normal - Steady State	E9		PT9	2-02-001-02	0.0	100.0		5,000.0	12,000.0	600.0	1,200.0
OS2	EG-2	Emergency Generator #2	Normal - Steady State	E10		PT10	2-02-001-02	0.0	100.0		5,000.0	12,000.0	600.0	1,200.0
OS4	EG-4	Emergency Generator #4	Normal - Steady State	E12		PT12	2-02-001-02	0.0	100.0		5,000.0	12,000.0	600.0	1,200.0

COE BRIDGEWATER LLC (35832)
BOP200001

Date: 6/11/2025

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

U 9 Emerg Gnrts Six Emergency Generators, each with seperate emission points.

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS5	EG-5	Emergency Generator #5	Normal - Steady State	E14		PT14	2-02-001-02	0.0	100.0		5,000.0	12,000.0	600.0	1,200.0
OS6	EG-7	Emergency Generator #7	Normal - Steady State	E19		PT19	2-02-001-02	0.0	100.0		5,000.0	12,000.0	600.0	1,200.0
OS9	EG-6	Emergency Generator #6	Normal - Steady State	E22		PT22	2-02-001-02	0.0	100.0		5,000.0	12,000.0	600.0	1,200.0

U 17 C-1 Cogen. Cogeneration System (Turbine NG and Oil and Duct Burner NG)

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS1	T NG	Turbine operating on natural gas, 59.86 MMBTU/hr - HHV	Normal - Steady State	E24		PT17 PT18	2-01-002-01	0.0	8,760.0		55,000.0	99,000.0	600.0	1,200.0
OS2	T O	Turbine operating on #2 fuel oil, 59.32 MMBTU/hr - HHV	Normal - Steady State	E24		PT17 PT18	2-01-001-01 2-02-001-01	0.0	700.0		55,000.0	99,000.0	600.0	1,200.0
OS3	DB NG	Duct Burner & Turbine operating on natural gas	Normal - Steady State	E18		PT17 PT18	3-90-001-99 2-01-002-02 2-01-002-01	0.0	8,760.0		55,000.0	99,000.0	600.0	1,200.0

COE BRIDGEWATER LLC (35832)
BOP200001

Date: 6/11/2025

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

U 17 C-1 Cogen. Cogeneration System (Turbine NG and Oil and Duct Burner NG)

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS4	DB NG	Duct Burner operating on natural gas & Turbine operating on #2 fuel oil	Normal - Steady State	E18		PT17	2-01-001-01	0.0	700.0		55,000.0	99,000.0	600.0	1,200.0
						PT18	2-02-001-01							
							3-90-001-99							

U 18 Boiler #5 Boiler #5 (72.26 MMBtu/hr) Natural Gas and #2 Fuel Oil

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS1	B-5 NG	Boiler #5 operating with natural gas	Normal - Steady State	E23		PT23	1-02-006-02	0.0	8,760.0		2,528.0	26,204.0	270.0	315.0
OS2	B-5 Oil	Boiler #5 operating with #2 fuel oil	Normal - Steady State	E23		PT23	1-02-005-02 1-02-005-01	0.0	8,760.0		2,528.0	26,204.0	270.0	315.0

**New Jersey Department of Environmental Protection
Subject Item Group Inventory**

Group NJID: GR4 Equipment

Members:

Type	ID	OS	Step
E	E 1		
E	E 10		
E	E 12		
E	E 14		
E	E 18		
E	E 19		
E	E 2		
E	E 22		
E	E 23		
E	E 24		
E	E 3		
E	E 9		

Formal Reason(s) for Group/Cap:

☒ Other

Other (explain): Federal Enforceable Emissions Cap

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

Equipment will be subject to the following emission limits: 14.68 TPY VOC, 100.35 TPY NOx, 59.41 TPY CO, 46.22 TPY SO2, 16.67 TPY TSP, 16.67 TPY PM10.

Operating Circumstances: