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 with Minor Modification

Permit Activity Number: BOP230002 **Program Interest Number: 56220**

Mailing Address	Plant Location
VITO GENNA PLANT MANAGER EAGLE POINT POWER GENERATION LLC 1250 CROWN POINT RD Westville, NJ 08093	EAGLE POINT POWER GENERATION LLC 1250 Crown Pt Rd West Deptford Twp Gloucester County

Initial Operating Permit Approval Date: **October 21, 2004**

Operating Permit Approval Date: **DRAFT**

Operating Permit Expiration Date: **Approval date + 5 years**

AUTHORITY AND APPLICABILITY

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

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

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

PERMIT SHIELD

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

COMPLIANCE SCHEDULES

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

COMPLIANCE CERTIFICATIONS AND DEVIATION REPORTS

The permittee shall submit to the Department and to United States Environmental Protection Agency (US EPA) periodic compliance certifications, in accordance with N.J.A.C. 7:27-22.19. **The annual compliance certification** is due to the

Department and EPA within 60 days after the end of each calendar year during which this permit was in effect. **Semi-annual deviation reports** relating to compliance testing and monitoring are due to the Department within 30 days after the end of the semi-annual period. The schedule and additional details for these submittals are available in Subject Item - FC, of the Facility Specific Requirements of this permit.

ACCESSING PERMITS

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

HELPLINE

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

RENEWING YOUR OPERATING PERMIT AND APPLICATION SHIELD

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

COMPLIANCE ASSURANCE MONITORING

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

ADMINISTRATIVE HEARING REQUEST

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

If you have any questions regarding this permit approval, please call Devang Karnik at (609) 940 5676.

Approved by:

_____
Aliya M. Khan

Enclosure

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

Facility Name: EAGLE POINT POWER GENERATION LLC
Program Interest Number: 56220
Permit Activity Number: BOP230002

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Section A

Facility Name: EAGLE POINT POWER GENERATION LLC
Program Interest Number: 56220
Permit Activity Number: BOP230002

POLLUTANT EMISSIONS SUMMARY

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

Facility's Potential Emissions from all Significant Source Operations (tons per year)										
Source Categories	VOC (total)	NO_x	CO	SO_2	TSP (total)	PM_{10} (total)	$PM_{2.5}$[2] (total)	Pb	HAPs* (total)	CO_2e[3]
Emission Units Summary	26.3	245	95.1	13.2	23.2	70.9	70.9	N/A	4.78	
Batch Process Summary	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Group Summary	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Total Emissions	26.3	245	95.1	13.2	23.2	70.9	70.9	N/A	4.78	1,028,070

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

Emissions from all Insignificant Source Operations and Non-Source Fugitive Emissions (tons per year)									
Source Categories	VOC (total)	NO_x	CO	SO_2	TSP (total)	PM_{10} (total)	$PM_{2.5}$[2] (total)	Pb	HAPs (total)
Insignificant Source Operations	0.13	1.72	1.44	0.01	20.1	19.9	19.9	N/A	N/A
Non-Source Fugitive Emissions	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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

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

[1] Significant Source Operations and Insignificant Source Operations are defined at N.J.A.C. 7:27-22.1.
[2] $PM_{2.5}$ has been included in air permitting rules as of December 9, 2017. Consequently, $PM_{2.5}$ totals in this section may not be up to date. The Department is in the process of updating these limits during each permit modification, and the entire permit will be updated at the time of permit renewal.
[3] Total CO_2e emissions for the facility.

Section A

Facility Name: EAGLE POINT POWER GENERATION LLC
Program Interest Number: 56220
Permit Activity Number: BOP230002

POLLUTANT EMISSIONS SUMMARY

Table 3: Summary of Hazardous Air Pollutants (HAP) Emissions from Significant Source Operations [4]:

HAP	**TPY**
Acetaldehyde	0.228
Acrolein	0.036
Arsenic	0.0018
Benzene	0.076
Beryllium	0.00005
Butadiene – 1,3	0.005
Cadmium	0.00077
Ethylbenzene	0.182
Formaldehyde	4.04
Lead	0.0023
Manganese	0.012
Naphthalene	0.013
Nickel	0.00074
Polynuclear Aromatic Hydrocarbons	0.018
Propylene Oxide	0.165

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

Other Air Contaminant	TPY
Sodium Hydroxide	0.13

[4] 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: EAGLE POINT POWER GENERATION LLC
Program Interest Number: 56220
Permit Activity Number: BOP230002

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: EAGLE POINT POWER GENERATION LLC
Program Interest Number: 56220
Permit Activity Number: BOP230001

STATE-ONLY APPLICABLE REQUIREMENTS

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

STATE-ONLY APPLICABLE REQUIREMENTS

The following applicable requirements are not federally enforceable:

SECTION	SUBJECT ITEM	ITEM #	REF. #
B	---	1	---
B	---	10b	---
D	FC	---	3
D	FC	---	9
D	GR1	---	ALL
D	GR2	---	ALL

Section D

Facility Name: EAGLE POINT POWER GENERATION LLC
Program Interest Number: 56220
Permit Activity Number: BOP230002

FACILITY SPECIFIC REQUIREMENTS AND INVENTORIES

FACILITY SPECIFIC REQUIREMENTS PAGE INDEX

EAGLE POINT POWER GENERATION LLC (56220)
BOP230002

Date: 5/12/2025

New Jersey Department of Environmental Protection
Reason for Application

Permit Being Modified

Permit Class: BOP **Number:** 230001

Description of Modifications: Following changes were made during this renewal:

i) Facility wide requirements (FC) section of the compliance plan updated.
ii) Section B, General Provisions and Authority of the Permit Text updated.
iii) Updated the stack testing requirements to conduct stack testing every 5 years from the last test. Monitoring, recordkeeping and submittal requirements were revised accordingly.
iv) Included HAPs emissions above the new lower reporting thresholds in N.J.A.C. 7:27-17. HAPS added are: 1,3-Butadiene, Naphthalene, Acetaldehyde, Ethylbenzene, Propylene oxide, Arsenic, Beryllium, Cadmium, Manganese, Nickel and Lead. These are not new emissions, but the facility was not previously required to include these in the permit due to higher reporting thresholds for these HAPs.
v) Updated the VOC emissions to include formaldehyde emissions.
vi) Updated the descriptions for IS3 and IS4 to match the facility's nomenclature.
vii) Removed the following two requirements, Reference #24 and #25 at U99, OS Summary on facility's request. These two requirements were for the addition of two parameters, the projected actual heat input, 8,706,969 MMBTU, and the projected actual annual NOx emissions 114.02 tons per year, to the permit, BOP140001, as part of Prevention of Significant Deterioration (PSD) applicability analysis for the installation of the second steam turbine at the facility. Pursuant to PSD regulations at 40 CFR 52.21(r)(6)(iii), the facility was required to monitor these two parameters, the projected actual annual heat input and the projected actual annual NOx emissions, for a period of 5 years from the date the regular operations resumed following the installation of the second steam turbine. Regular operations resumed on May 27th, 2016.
- Reference #24: Annual heat input <= 8,706,969 MMBtu. The owner or operator shall monitor and record the heat input, in MMBtu per year, for a period of 5 years following resumption of regular operations after the change (i.e., installation of the second steam turbine).
- Reference #25: NOX emissions <= 114.02 tons per year. The owner or operator shall calculate and record the annual NOX emissions, in tons per year, for a period of 5 years following resumption of regular operations after the change (i.e., installation of the second steam turbine).

viii) Added requirements for the Catalytic Oxidizers for the 2 turbines at CD11 and CD12.
ix)Updated the 40 CFR 63 subpart ZZZZ (MACT ZZZZ) requirements at U103, OS summary.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Subject Item: **FC**

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

New Jersey Department of Environmental Protection
Facility Specific Requirements

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

New Jersey Department of Environmental Protection
Facility Specific Requirements

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

New Jersey Department of Environmental Protection
Facility Specific Requirements

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

New Jersey Department of Environmental Protection
Facility Specific Requirements

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

New Jersey Department of Environmental Protection
Facility Specific Requirements

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

New Jersey Department of Environmental Protection
Facility Specific Requirements

Subject Item: **IS3 Cogen ST3 Cooling Tower**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	The combined weight of all raw materials (water treatment chemicals) used shall not exceed 50 lb/hr. [N.J.A.C. 7:27-22.1]	None.	Other: Keep chemical injection records.[N.J.A.C. 7:27-22.16(o)].	None.
2	Water treatment chemicals containing hexavalent chromium shall not be added to the circulating water. [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep Safety Data Sheets (SDS) for the chemicals used in the circulating water.[N.J.A.C. 7:27-22.16(o)].	None.
3	The raw materials added to the cooling tower circulating water shall be limited to the chemicals listed below: - 12.5% sodium hypochlorite - 5%-10% phosphoric acid (Chemtron Veritrac 4181) - 30%-60% sodium tolyltriazole (Chemtron AB 4600) [N.J.A.C. 7:27-22.16(a)]	Monitored by other method (provide description) at no required frequency : By review of process records showing materials/chemicals added/mixed. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by other recordkeeping method (provide description) at no required frequency : Maintain process records showing list of materials/chemicals added/mixed. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Subject Item: **IS4 ST4 Cooling Tower**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	The combined weight of all raw materials (water treatment chemicals) used shall not exceed 50 lb/hr. [N.J.A.C. 7:27-22.1]	None.	Other: Keep chemical injection records.[N.J.A.C. 7:27-22.16(o)].	None.
2	Water treatment chemicals containing hexavalent chromium shall not be added to the circulating water. [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep Safety Data Sheets (SDS) for the chemicals used in the circulating water.[N.J.A.C. 7:27-22.16(o)].	None.
3	TSP <= 1.16.tpy [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	TSP <= 0.266 lb/hr [N.J.A.C. 7:27-22.16(a)]			
5	PM-10 <= 0.94 tpy [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	PM-10 <= 0.215 lb/hr [N.J.A.C. 7:27-22.16(a)]			
7	PM-2.5 <= 0.48 tpy [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	PM-2.5 <= 0.109 lb/hr [N.J.A.C. 7:27-22.16(a)]			
9	The raw materials added to the cooling tower circulating water shall be limited to the chemicals listed below: - 12.5% sodium hypochlorite - 5%-10% phosphoric acid (Chemtron Veritrac 4181) - 30%-60% sodium tolyltriazole (Chemtron AB 4600) [N.J.A.C. 7:27-22.16(a)]	Monitored by other method (provide description) at no required frequency : By review of process records showing materials/chemicals added/mixed. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by other recordkeeping method (provide description) at no required frequency : Maintain process records showing list of materials/chemicals added/mixed. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Subject Item: **IS5 413,000 gal Diesel Storage Tank**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Tank shall be used to store Ultra Low Sulfur Diesel (ULSD). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep quality certificates, invoices, Safety Data Sheets (SDS), or bills of lading.[N.J.A.C. 7:27-22.16(o)].	None.
2	The vapor pressure of the stored liquid, excluding the vapor pressure of water, must be less than 0.02 psia at the liquid's actual temperature or at 70 degrees Fahrenheit, whichever is higher. [N.J.A.C. 7:27-22.1]	None.	Other: Keep Safety Data Sheets (SDS) or other authentic vapor pressure documentation such as AP-42 fuel properties.[N.J.A.C. 7:27-22.16(o)].	None.

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Facility Specific Requirements

Subject Item: **IS6 Four portable < 1 MMBTU/hr natural gas fired heaters**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	No visible emission except for a period of not longer than three minutes in any consecutive 30 - minute period. [N.J.A.C. 7:27-3.2(a) &. [N.J.A.C. 7:27- 3.2(c)]	None.	None.	None.
2	Maximum Gross Heat Input < 1 MMBTU/hr (HHV) per heater. [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records of the gross heat input of all heaters.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Subject Item: **GR1 Regional Greenhouse Gas Initiative (RGGI) for Combustion Cycle Turbines GT1 and GT2 in U99**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	The owners and operators of each CO2 budget source and each CO2 budget unit at the source shall, as of the CO2 allowance transfer deadline, hold CO2 allowances in the sources's compliance account, available for compliance deductions under N.J.A.C. 7:27C-6.9, as follows: 1) In the case of an initial control period, the number of CO2 allowances held shall be no less than the amount equivalent to the total CO2 emissions for the initial control period from all CO2 budget units at the source; 2) In the case of a control period, the number of CO2 allowances held shall be no less than the total CO2 emissions for the control period from all CO2 budget units at the source, less the CO2 allowances deducted to meet the requirements of N.J.A.C 7:27C-1.4(g) with respect to the previous two interim control periods, as determined in accordance with N.J.A.C 7:27C-6 and 7:27C-8; 3) In the case of an interim control period, the number of CO2 allowances held shall be no less than the total CO2 emissions for the interim control period from all CO2 budget units at the source, multiplied by 0.50, as determined in accordance with NJAC 7:27C-6 and 7:27C-8. [N.J.A.C. 7:27C-1.4(f)]	Monitored by calculations at the approved frequency. The Department shall use the emission measurements recorded and reported in accordance with N.J.A.C. 7:27C-8 to determine the unit's compliance. Total tons for a control period shall be calculated as the sum of all recorded hourly emissions (or the tonnage equivalent of the recorded hourly emissions rates) in accordance with N.J.A.C. 7:27C-8. The Department will round total CO2 emissions to the nearest whole ton, so that any fraction of a ton equal to or greater than 0.50 tons is deemed to equal one ton and any fraction of a ton less than 0.50 tons is deemed to equal zero tons. [N.J.A.C. 7:27C- 1.4(d)]	Recordkeeping by data acquisition system (DAS) / electronic data storage continuously. Maintain records of all CO2 emissions from each CO2 budget unit. [N.J.A.C. 7:27C- 8]	Submit a report: On or before every April 30, July 30, October 30, and January 30 for the preceding quarter year (the quarter years begin on January 1, April 1, July 1, and October 1). The CO2 authorized account representative shall submit quarterly reports to the Bureau of Energy and Sustainability, for each calendar quarter beginning with: i. For a unit that commences commercial operation before December 17, 2018, the calendar quarter beginning January 1, 2020; or ii. For a unit commencing commercial operation on or after December 17, 2018, the calendar quarter corresponding to the earlier of the date of provisional certification or the applicable deadline for initial certification under N.J.A.C. 7:27C-8.1(d). If the calendar quarter so determined is the third or fourth quarter of 2019, reporting shall commence in the quarter beginning January 1, 2020. Quarterly reports shall be submitted in the manner specified in Subpart H of 40 CFR 75 and 40 CFR 75.64. Quarterly reports shall be submitted for each CO2 budget unit (or group of units using a common stack), and shall include all of the data and information required in Subpart G of 40 CFR 75, except for opacity, heat input, NOx and SO2 provisions. The CO2 authorized account representative shall submit, to the Bureau of Energy and Sustainability, a compliance certification in support of each quarterly report, pursuant to N.J.A.C. 7:27C-8.5(c)3. [N.J.A.C. 7:27C-8.5(c)]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
2	CO2 Allowance Tracking System (COATS): CO2 allowances shall be held in, deducted from, or transferred among COATS accounts in accordance with N.J.A.C 7:27C-5, 6, and 7. [N.J.A.C 7:27C-1.4(i)] A CO2 allowance shall not be deducted, in order to comply with N.J.A.C. 7:27C-1.4(f), for a control period that ends prior to the year for which the CO2 allowance was allocated. [N.J.A.C 7:27C-1.4(j)] A CO2 offset allowance shall not be deducted, in order to comply with N.J.A.C. 7:27C-1.4(f), beyond the applicable percent limitations at N.J.A.C. 7:27C-6.9(a)3. [N.J.A.C. 7:27C- 1.4(k)]	Other: The Permittee shall review any transactions recorded in its COATS account for accuracy.[N.J.A.C. 7:27-22.16(o)].	None.	Submit a report: As per the approved schedule Submit compliance certification reports pursuant to N.J.A.C 7:27C-4.1(a) and CO2 allowance transfer requests, as necessary, pursuant to N.J.A.C 7:27C-7.1(a), to the Bureau of Energy and Sustainability If information in COATS account is found to be inaccurate, notify the Bureau of Energy and Sustainability. [N.J.A.C. 7:27-22.16(o)]
3	CO2: The owners and operators of a CO2 budget source that has excess emissions in any control period or in the initial control period, or has excess interim emissions in any interim control period, shall: 1. Forfeit the CO2 allowances required for deduction under N.J.A.C. 7:27C-6.9(e); 2. Not use any CO2 offset allowances to cover any part of such excess emissions; and 3. Pay any fine, penalty, or assessment or comply with any other remedy imposed under N.J.A.C. 7:27C-6.9(f). [N.J.A.C. 7:27C- 1.4(n)]	Other: The Permittee shall review any transactions recorded in its COATS account for accuracy.[N.J.A.C. 7:27-22.16(o)].	None.	Submit notification: Upon occurrence of event. If information in COATS account is found to be inaccurate, notify the Bureau of Energy and Sustainability. [N.J.A.C. 7:27-22.16(o)]

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Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
4	CO2: Account certificate of representation and supporting documents. [N.J.A.C. 7:27C-1.4(o)1]	None.	CO2: Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The owners and operators of the CO2 budget source and each CO2 budget unit at the source shall keep on site at the source the account certificate of representation for the CO2 authorized account representative for the CO2 budget source and each CO2 budget unit at the source and all documents that demonstrate the truth of the statements in the account certificate of representation, in accordance with N.J.A.C. 7:27C-2.4. These documents shall be retained on site at the source until such documents are superseded by a newly submitted account certificate of representation changing the CO2 authorized account representative. [N.J.A.C. 7:27C- 1.4(o)1]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
5	CO2: Copies of Documents & Reports [N.J.A.C. 7:27C- 1.4(o)]	None.	CO2: Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event The owners and operators of the CO2 budget source and each CO2 budget unit at the source shall keep on site at the source each of the following documents for a period of 10 years from the date the document is created. The Department may at any time prior to the end of the 10-year period extend the 10-year period in writing, if it determines that retention of the documents beyond the 10-year period is necessary to determine compliance with the requirements of N.J.A.C. 7:27C: - All emissions monitoring information, in accordance with N.J.A.C. 7:27C-8 and 40 CFR 75.57; - Copies of all reports, compliance certifications, and other submissions, and all records made or required under the CO2 Budget Trading Program; and - Copies of all documents used to complete an application for a new or modified operating permit that incorporates the requirements of the CO2 Budget Trading Program and any other submission under the CO2 Budget Trading Program or to demonstrate compliance with the requirements of the CO2 Budget Trading Program. [N.J.A.C 7:27C-1.4(o)2, [N.J.A.C 7:27C-1.4(o)3 and. [N.J.A.C. 7:27C-1.4(o)4]	None.

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Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
6	CO2: Compliance Certification Report: [N.J.A.C. 7:27C-1.4(p)] and [N.J.A.C. 7:27C- 4.1]	None.	None.	Submit a report: As per the approved schedule. For each control period, including the initial control period, in which a CO2 budget source is subject to the CO2 requirements of N.J.A.C 7:27C-1.4, the CO2 authorized account representative shall submit, to the Bureau of Energy and Sustainability, by March 1 following each relevant three-calendar-year control period, the compliance certification report that includes the following elements listed in N.J.A.C. 7:27C-4.1(b): 1. Identification of the CO2 budget source and each CO2 budget unit at the source; 2. At the CO2 authorized account representative's option, the serial numbers of the CO2 allowances that are to be deducted from the CO2 budget source's compliance account under N.J.A.C. 7:27C-6.9 for the control period, including the serial numbers of any CO2 offset allowances that are to be deducted subject to the limitations of N.J.A.C. 7:27C-6.9(a)3; and 3. The compliance certification at N.J.A.C. 7:27C-4.1(c). [N.J.A.C. 7:27C-4.1(b)] and. [N.J.A.C. 7:27C- 4.1]

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	CO2: The owner or operator of each CO2 budget unit shall install all monitoring systems necessary to monitor CO2 mass emissions in accordance with 40 CFR Part 75, except for equation G-1 of Appendix G, which shall not be used to determine CO2 emissions. Compliance with this paragraph may require systems to monitor CO2 concentration, stack gas flow rate, O2 concentration, heat input, and fuel flow rate [N.J.A.C. 7:27C- 8.1(c)1]	Other: The owner or operator of a CO2 budget unit shall meet the monitoring system certification and other requirements of N.J.A.C. 7:27C-8.1(c) and shall quality-assure the data from the monitoring systems in accordance with the schedule prescribed in N.J.A.C. 7:27C-8.1(d)(1) for a CO2 budget unit that commenced commercial operation before December 17, 2018, N.J.A.C. 7:27C-8.1(d)(2) for a CO2 budget unit that commenced commercial operation on or after December 17, 2018 or N.J.A.C. 7:27C-8.1(d)(3) for a CO2 budget unit for which construction of a new stack or flue installation is completed after the applicable deadlines at N.J.A.C. 7:27C-8.1(d)(1) and (2). [N.J.A.C 7:27C-8.1(c)2], [N.J.A.C 7:27C-8.1(c)3] and [N.J.A.C 7:27C-8.1(d)] The owner or operator shall ensure, for each continuous emissions monitoring system (including the automated data acquisition and handling system) the successful completion of all of the initial certification testing required under 40 CFR 75.20 by the applicable deadlines listed above. In addition, whenever the owner or operator installs a monitoring system in order to meet the requirements of N.J.A.C. 7:27C-8 in a location where no such monitoring system was previously installed, initial certification in accordance with 40 CFR 75.20 is required.[N.J.A.C. 7:27C- 8.2(d)].	CO2: Recordkeeping by manual logging of parameter or storing data in a computer data system at the approved frequency. The owner or operator of a CO2 budget unit shall record the data from the monitoring systems in accordance with the schedule prescribed in N.J.A.C. 7:27C-8.1(d)(1) for a CO2 budget unit that commenced commercial operation before December 17, 2018, N.J.A.C. 7:27C-8.1(d)(2) for a CO2 budget unit that commenced commercial operation on or after December 17, 2018 or N.J.A.C. 7:27C-8.1(d)(3) for a CO2 budget unit for which construction of a new stack or flue installation is completed after the applicable deadlines at N.J.A.C. 7:27C-8.1(d)(1) and (2). [N.J.A.C 7:27C-8.1(c)3] and. [N.J.A.C. 7:27C-8.1(d)]	Submit a report: As per the approved schedule. The owner or operator of a CO2 budget unit shall report the data from the monitoring systems in accordance with the schedule prescribed in N.J.A.C. 7:27C-8.1(d)(1) for a CO2 budget unit that commenced commercial operation before December 17, 2018, N.J.A.C. 7:27C-8.1(d)(2) for a CO2 budget unit that commenced commercial operation on or after December 17, 2018 or N.J.A.C. 7:27C-8.1(d)(3) for a CO2 budget unit for which construction of a new stack or flue installation is completed after the applicable deadlines at N.J.A.C. 7:27C-8.1(d)(1) and (2). [N.J.A.C 7:27C-8.1(c)3] and. [N.J.A.C. 7:27C- 8.1(d)]

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Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
8	No owner or operator of a CO2 budget unit shall use any alternative monitoring system, alternative reference method, or any other alternative for the required continuous emissions monitoring system without having obtained prior written approval in accordance with N.J.A.C. 7:27C-8.6. [N.J.A.C. 7:27C-8.1(j)1]	None.	None.	Obtain approval: Upon occurrence of event. The CO2 authorized account representative of a CO2 budget unit may submit a petition to the Administrator under 40 CFR 75.66, and to the Department requesting approval to apply an alternative to any requirement of 40 CFR Part 75 or to a requirement concerning any additional CEMS required under the common stack provisions of 40 CFR 75.72 or a CO2 concentration CEMS used under 40 CFR 75.71(a)(2). [N.J.A.C. 7:27C-8.6]
9	CO2: The owner or operator of a CO2 budget unit shall comply with the initial certification and recertification procedures set forth at N.J.A.C. 7:27C-8.2(d) through (r) for a continuous emissions monitoring system and an excepted monitoring system under Appendix D of 40 CFR Part 75, except as provided in N.J.A.C. 7:27C-8.2(a). The owner or operator of a CO2 budget unit that qualifies to use the low mass emissions excepted monitoring methodology in 40 CFR 75.19 or that qualifies to use an alternative monitoring system under Subpart E of 40 CFR Part 75 shall comply with the initial certification and recertification procedures set forth at N.J.A.C. 7:27C-8.2(q) or (r), respectively. [N.J.A.C. 7:27C- 8.2(c)]	None.	None.	Submit notification: Upon occurrence of event. The CO2 authorized account representative shall submit to the Department, EPA Region 2 office and the Administrator a written notice of the dates of certification in accordance with N.J.A.C. 7:27C-8.4. [N.J.A.C. 7:27C-8.2(h)]

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
10	CO2: . The owner or operator shall recertify a monitoring system in accordance in 40 CFR 75.20(b) whenever the owner or operator makes the replacement, modification, or changes described in N.J.A.C. 7:27C-8.2(f). [N.J.A.C. 7:27C-8.2(f)] A provisionally certified monitor may be used under the CO2 Budget Trading Program for a period not to exceed 120 days after the Department receives the complete certification application for the monitoring system, or component thereof, under N.J.A.C.7:27C-8.2(h). [N.J.A.C. 7:27C-8.2(j)] Whenever any monitoring system fails to meet the quality assurance and quality control requirements or data validation requirements of 40 CFR Part 75, data shall be substituted using the applicable procedures in Subpart D or Appendix C, of 40 CFR Part 75. [N.J.A.C. 7:27C- 8.3(a)]	Other: The owner or operator of a CO2 budget unit shall submit a monitoring plan in the manner prescribed in 40 CFR 75.62, either electronically or hardcopy. If electronic, no later than 21 days prior to the initial certification tests; at the time of each certification or recertification application submission; and (prior to or concurrent with) the submittal of the electronic quarterly report for a reporting quarter where an update of the electronic monitoring plan information is required. If hardcopy, no later than 21 days prior to the initial certification test; with any certification or recertification application, if a hardcopy monitoring plan change is associated with the certification or recertification event; and within 30 days of any other event with which a hardcopy monitoring plan change is associated, pursuant to 40 CFR 75.53(b). Electronic submittal of all monitoring plan information, including hardcopy portions, is permissible provided that a paper copy of the hardcopy portions can be furnished upon request.[N.J.A.C. 7:27C- 8.5(b)].	None.	Submit documentation of compliance: As per the approved schedule. The CO2 authorized account representative shall submit a certification or recertification application to the Department for each monitoring system within 45 days after completing all CO2 monitoring system initial certification or recertification tests required under N.J.A.C. 7:27C-8.2 including the information required under 40 CFR 75.53(g) and (h) and 75.63. . [N.J.A.C. 7:27C- 8.2(e)]

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
11	Net electric output and net thermal output. [N.J.A.C. 7:27C- 8.8(a)]	Other: The output monitoring plan shall include: - a diagram of the electrical and/or steam system, - a description of each output monitoring system, - a detailed description of all quality assurance and quality control activities, and - documentation supporting any output value(s) to be used as a missing data value should there be periods of invalid output data. [N.J.A.C. 7:27C-8.8(g)] Ongoing quality assurance and quality control (QA/QC) activities shall be performed in order to maintain the output system in accordance with N.J.A.C. 7:27C-8.8(i).[N.J.A.C. 7:27C- 8.8].	Other: The owner or operator of a CO2 budget source shall retain data used to monitor, determine, or calculate net electrical output and net thermal output for 10 years.[N.J.A.C. 7:27C-8.8(j)].	Submit a report: Annually. The CO2 authorized account representative shall submit annual output reports electronically to the Department, pursuant to N.J.A.C. 7:27C-8.8(b) through (j), by the March 1 following the immediately preceding calendar year. These reports shall also be submitted, upon Department request, in hardcopy. The annual output report shall include unit level megawatt-hours and all useful steam output; and shall include a certification from the CO2 authorized account representative pursuant to N.J.A.C. 7:27C-8.8(k). [N.J.A.C. 7:27C-8.8(a)] and. [N.J.A.C. 7:27C- 8.8(k)]

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Subject Item: **GR2 NJ PACT (N.J.A.C 7:27F) rule for Combined Cycle turbines GT1 and GT 2**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	CO2 <= 1,700 lb/MW-hr. From June 1, 2024 thru May 31, 2027, any existing electrical generating unit (EGU) with a nameplate capacity equal to or greater than 25 MWe shall emit no more than 1,700 pounds of CO2 per MWh gross energy output. Compliance is demonstrated when the CO2 emission rate, determined using procedures in 40 CFR 60.5540(a)(1) through (7), for the initial and each subsequent 12-operating-month rolling average compliance period, is less than or equal to the applicable CO2 emission standard (above). [N.J.A.C. 7:27F-2.5(d)1]	CO2: Monitored by calculations each month during operation, based on a 12-operating-month rolling average. The owner or operator shall use the compliance demonstration procedures at 40 CFR 60.5540 that pertain to EGUs with an output -based emission limit for CO2 by using the procedures in 40 CFR 60.5540(a)(1) through (7) to calculate the CO2 mass emissions. The hourly CO2 mass emissions must be calculated from the fuel use, according to 60.5535(c)(1) through (3) and the generating load must be measured in accordance with 60.5535(d). The calculations shall only be performed for "valid operating hours", as defined in 40 CFR 60.5540(a)(1). [N.J.A.C. 7:27F-2.6(c)]	CO2: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The owner or operator must comply with the recordkeeping requirements at 40 CFR 60.5560 that pertain to EGUs with an output -based emission limit for CO2 by maintaining records of the information used to demonstrate compliance as specified in 40 CFR 60.7(b) and (f) and 40 CFR 60.5560, in a form suitable and readily available for expeditious review. [N.J.A.C. 7:27F-2.6(d)]	None.
2	CO2 <= 1,300 lb/MW-hr. From June 1, 2027 thru May 31, 2035, any existing electrical generating unit (EGU) with a nameplate capacity equal to or greater than 25 MWe shall emit no more than 1,300 pounds of CO2 per MWh gross energy output. Compliance is demonstrated when the CO2 emission rate, determined using procedures in 40 CFR 60.5540(a)(1) through (7), for the initial and each subsequent 12-operating-month rolling average compliance period, is less than or equal to the applicable CO2 emission standard (above). [N.J.A.C. 7:27F-2.5(d)2]	CO2: Monitored by calculations each month during operation, based on a 12-operating-month rolling average. The owner or operator shall use the compliance demonstration procedures at 40 CFR 60.5540 that pertain to EGUs with an output -based emission limit for CO2 by using the procedures in 40 CFR 60.5540(a)(1) through (7) to calculate the CO2 mass emissions. The hourly CO2 mass emissions must be calculated from the fuel use, according to 60.5535(c)(1) through (3) and the generating load must be measured in accordance with 60.5535(d). The calculations shall only be performed for "valid operating hours", as defined in 40 CFR 60.5540(a)(1). [N.J.A.C. 7:27F-2.6(c)]	CO2: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The owner or operator must comply with the recordkeeping requirements at 40 CFR 60.5560 that pertain to EGUs with an output -based emission limit for CO2 by maintaining records of the information used to demonstrate compliance as specified in 40 CFR 60.7(b) and (f) and 40 CFR 60.5560, in a form suitable and readily available for expeditious review. [N.J.A.C. 7:27F-2.6(d)]	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
3	CO2 <= 1,000 lb/MW-hr. On and after June 1, 2035, any existing electrical generating unit (EGU) with a nameplate capacity equal to or greater than 25 MWe shall emit no more than 1,000 pounds of CO2 per MWh gross energy output. Compliance is demonstrated when the CO2 emission rate, determined using procedures in 40 CFR 60.5540(a)(1) through (7), for the initial and each subsequent 12-operating-month rolling average compliance period, is less than or equal to the applicable CO2 emission standard (above). [N.J.A.C. 7:27F-2.5(d)3]	CO2: Monitored by calculations each month during operation, based on a 12-operating-month rolling average. The owner or operator shall use the compliance demonstration procedures at 40 CFR 60.5540 that pertain to EGUs with an output -based emission limit for CO2 by using the procedures in 40 CFR 60.5540(a)(1) through (7) to calculate the CO2 mass emissions. The hourly CO2 mass emissions must be calculated from the fuel use, according to 60.5535(c)(1) through (3) and the generating load must be measured in accordance with 60.5535(d). The calculations shall only be performed for "valid operating hours", as defined in 40 CFR 60.5540(a)(1). [N.J.A.C. 7:27F-2.6(c)]	CO2: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The owner or operator must comply with the recordkeeping requirements at 40 CFR 60.5560 that pertain to EGUs with an output -based emission limit for CO2 by maintaining records of the information used to demonstrate compliance as specified in 40 CFR 60.7(b) and (f) and 40 CFR 60.5560, in a form suitable and readily available for expeditious review. [N.J.A.C. 7:27F-2.6(d)]	None.
4	CO2 Mass Emissions: The owner or operator shall use the compliance demonstration procedures at 40 CFR 60.5540 that pertain to EGUs with an output -based emission limit for CO2. Calculations of the hourly CO2 (tons/h) and EGU operating times must be done in accordance with 40 CFR 60.5535(c)(1) through (3). Pursuant to 40 CFR 60.5535(c), the owner or operator must implement the applicable procedures in appendix D to 40 CFR 75 to determine hourly EGU heat input rates (MMBtu/h), based on hourly measurements of fuel flow rate and periodic determinations of the gross calorific value (GCV) of each fuel combusted. For each measured hourly heat input rate, use equation G-4 in appendix G to 40 CFR 75 to calculate the hourly CO2 mass emission rate (tons/h). [N.J.A.C. 7:27F-2.6(c)]	Monitored by fuel flow/firing rate instrument continuously, based on a 1 hour block average. [N.J.A.C. 7:27F-2.6(c)]	Recordkeeping by data acquisition system (DAS) / electronic data storage continuously. The owner or operator must comply with the recordkeeping requirements at 40 CFR 60.5560 that pertain to EGUs with an output - based emission limit for CO2. The hourly CO2 (tons/h) and EGU (or stack) operating times used to calculate CO2 mass emissions are required to be recorded under 40 CFR 75.57(e). These data must be used to calculate the hourly CO2 mass emissions. [N.J.A.C. 7:27F-2.6(d)]	None.

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Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
5	Electrical Output: The owner or operator shall use the compliance demonstration procedures at 40 CFR 60.5540 that pertain to EGUs with an output - based emission limit for CO2. Pursuant to 40 CFR 60.5535 (d), the owner or operator must install, calibrate, maintain, and operate a sufficient number of watt meters to continuously measure and record the hourly gross electric output. These measurements must be performed using 0.2 class electricity metering instrumentation and calibration procedures as specified under ANSI Standards No. C12.20. [N.J.A.C. 7:27F-2.6(c)]	Other: Monitored by watt meter continuously (See Applicable Requirement). Consistent with 40 CFR 60.5535(e) and 40 CFR 60.5520, if two or more affected EGUs serve a common electric generator, the owner or operator must apportion the combined hourly gross or net energy output to the individual affected EGUs according to the fraction of the total steam load contributed by each EGU. Alternatively, if the EGUs are identical, the owner or operator may apportion the combined hourly gross or net electric load to the individual EGUs according to the fraction of the total heat input contributed by each EGU.[N.J.A.C. 7:27F-2.6(c)].	Recordkeeping by data acquisition system (DAS) / electronic data storage continuously. The owner or operator must comply with the recordkeeping requirements at 40 CFR 60.5560 that pertain to EGUs with an output -based emission limit for CO2 by maintaining records of the information used to demonstrate compliance as specified in 40 CFR 60.7(b) and (f) and 40 CFR 60.5560, in a form suitable and readily available for expeditious review. [N.J.A.C. 7:27F-2.6(d)]	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
6	Emergency Use of Fuel Oil During Natural Gas Curtailment: If a fossil fuel-fired electric generating unit, subject to 7:27F-2, temporarily combusts fuel oil or other liquid fuel in place of natural gas, pursuant to a natural gas curtailment period, the CO2 emissions from that EGU during the period of curtailment shall not be included in the 12-operating-month rolling average used to determine compliance with the emission limits of this subchapter, so long as: 1. The EGU's permit authorizes fuel switching pursuant to N.J.A.C. 7:27-19; 2. The owner or operator is not practicably able to obtain a sufficient supply of natural gas; 3. The owner or operator's inability to obtain natural gas is due to circumstances beyond the control of the owner or operator, such as a natural gas curtailment; 4. The EGU 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; and 5. The owner or operator keeps records of curtailment periods and incorporates such records into the reports submitted to the Department as required by N.J.A.C. 7:27-22. [N.J.A.C. 7:27F-2.3(c)]	Other: Monitor the date and time of any natural gas curtailment during which the EGU combusted fuel oil or other liquid fuel in place of natural gas.[N.J.A.C. 7:27F-2.3(c)].	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. For each period of natural gas curtailment, during which the EGU combusted fuel oil or other liquid fuel in place of natural gas, the permittee shall maintain a record that includes the following information: i. Information sufficient to identify each EGU for which the owner or operator claims an exemption under this section, including a brief description of the source (for example, "dry-bottom coal-fired boiler serving an electric generating unit"), its location, its permit number, any other identifying numbers, and any other information necessary to distinguish it from other equipment also owned or operated by the owner or operator of the electric generating unit; ii. A statement that the owner or operator is not practicably able to obtain a sufficient supply of natural gas; iii. The date and time at which the owner or operator first became practicably unable to obtain natural gas; and iv. A description of the circumstances causing the owner's or operator's inability to obtain natural gas. [N.J.A.C. 7:27F-2.3(c)5]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: U99 Two Identical Combined Cycle Gas Turbines, Firing NG or ULSD, Equipped with Fogging + Steam Injection Systems
Subject Item: CD11 CO Unit No. 1, CD12 CO Unit No. 2

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Destruction and Removal Efficiency >= 92 %. The Catalytic Oxidizers shall be used to destroy carbon monoxide (CO) and volatile organic compounds (VOC) resulting from the combustion of fuel in the turbine at the recommended manufacturer's operating flue gas flowrate range such that CO and VOC (total) emission limits, as established in this permit, are met. The minimum CO destruction efficiency shall be 92% except during startup or shutdown, as defined in this permit. [N.J.A.C. 7:27-22.16(a)]	Other: Destruction and Removal Efficiency: Monitored by document of construction.[N.J.A.C. 7:27-22.16(o)].	Destruction and Removal Efficiency: Recordkeeping by ittee shall maintain Catalytic Oxidizer system manufacturer's documentation, as built performance guarantee, specifications, and operation & maintenance manual (O&M) on-site.[N.J.A.C. 7:27-22.16(o)].	None.
2	The Catalytic Oxidizers shall be in place and operating at all times that the turbine is operating except during start-up and shutdown, as defined in this permit. [N.J.A.C. 7:27-22.16(a)]	Other: Ensure that the Catalytic Oxidizer (catalyst) is in place and operating at all times.[N.J.A.C. 7:27-22.16(o)].	None.	None.
3	The Catalytic Oxidizer array(s) shall be maintained and replaced in accordance with the recommendations and schedules of the manufacturer, based on usage rate and CO emission levels, indicated through CEMS and stack testing. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by documentation of maintenance and catalyst replacement upon occurence of event.[N.J.A.C. 7:27-22.16(o)].	Other: Record keeping by mannual logging of parameter or storing data in computer system. The permittee shall maintain the catalyst maintenance and replacement records on-site.[N.J.A.C. 7:27-22.16(o)].	None.
4	Temperature at Exit of Catalyst > 500 and Temperature at Exit of Catalyst <= 680 degrees F except during periods of turbine startup/shutdown, as defined in this permit. Applicable to the Catalytic Oxidizers. [N.J.A.C. 7:27-22.16(a)]	Temperature at Exit of Catalyst: Monitored by temperature instrument continuously, based on a 1 hour block average. The permittee shall install, calibrate and maintain the monitor(s) in accordance with the manufacturer's specifications. The monitor(s) shall be ranged such that the allowable value is approximately mid-scale of the full range current/voltage output. [N.J.A.C. 7:27-22.16(o)]	Temperature at Exit of Catalyst: Recordkeeping by data acquisition system (DAS) / electronic data storage continuously. [N.J.A.C. 7:27-22.16(o)]	None.

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Emission Unit: **U99 Two Identical Combined Cycle Gas Turbines, Firing NG or ULSD, Equipped with Fogging + Steam Injection Systems**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Summary of Applicable Federal Regulations: 40 CFR 60 Subpart A 40 CFR 60 Subpart KKKK 40 CFR 52.21 and [40 CFR 72]	None.	None.	None.
2	See Subject Items GR1 for RGGI requirements. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
3	STACK TESTING SUMMARY The permittee shall conduct a stack test no later than every five years (see General Provisions) from the last stack test using an approved protocol to demonstrate compliance with emission limits for the TSP, PM-10, VOC, CO, SO2, NOx and formaldehyde while firing natural gas as specified in the compliance plan for OS3 and OS8; and NOx, CO, VOC, TSP and PM-10 while firing ULSD as specified in the compliance plan for OS29 and OS31. The permittee shall provide EMS with the turbine load performance curve with the protocol. The performance test must be done at any load condition within +/- 25 % of 100 % of peak load. [40 CFR 60.4400(b)]. Testing must be conducted at worst-case permitted operating conditions with regard to meeting the applicable emission standards, but without creating an unsafe condition. The permittee may propose, in the stack test protocol, to use CEMS data to satisfy the stack testing requirements, for NOx and/or CO, with EMS approval. In order for EMS to approve using CEMS data at the time of the stack test, the CEMS must be certified and be in compliance with all daily, quarterly and annual quality assurance requirements. The CEMS shall monitor and record emissions in units identical to those required by the applicable stack testing conditions of this permit. CEMS data, if allowed by this permit, shall be taken at the same worst case conditions as described above. [N.J.A.C. 7:27-22.16(a)]	Other: Monitoring as required under 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)].	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. Submit a stack test protocol to the Emission Measurement Section (EMS) at Mail Code: 09-01, PO Box 420, Trenton, NJ 08625 no later than 12 months prior to the completion of the five year period since the last stack test. The protocol and test report must be prepared and submitted on a CD using the Electronic Reporting Tool (ERT), unless another format is approved by EMS. The ERT program can be downloaded at: https://www.epa.gov/chief. 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)] &. [N.J.A.C. 7:27-22.18(h)]

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
4	CEMS/COMS REQUIREMENTS SUMMARY The Permittee shall operate CEMS according to the approved certification and in compliance with daily, quarterly, and annual quality assurance requirements. The CEMS shall include continuous monitoring of all necessary parameters (e.g. oxygen, moisture, temperature, flow rate) to allow the required corrections to be applied to demonstrate compliance with the emission limits. The Permittee shall request approval from the Department's Emission Measurement Section (EMS) to allow continued use of the existing CEMS when a change to the units of measurement is made to a permit limit. [N.J.A.C. 7:27-22.16(a)]	None.	Other: Maintain readily accessible records of the Permittee's written request to EMS, and the response from EMS . [N.J.A.C. 7:27-22.16(o)].	Comply with the requirement: Upon occurrence of event. Submit a written request to the EMS within 30 days from the date of the approved operating permit to determine whether a full CEMS recertification is required, whether the change can follow the procedures for data recording and storage equipment upgrades found in the Department's Technical Manual 1005 Section IV.B.3(f), or if continued use of the existing CEMS is allowed. [N.J.A.C. 7:27-22]
5	The owner or operator shall develop a QA/QC plan for all CEMS/COMS required by this permit prepared in accordance with the NJDEP Technical Manual 1005 posted on the AQPP webpage at https://dep.nj.gov/boss/technical-manuals/. [N.J.A.C. 7:27-22.16(a)]	Other: The QA/QC coordinator shall be responsible for reviewing the QA/QC plan on an annual basis. [N.J.A.C. 7:27-22.16(o)].	Other: Maintain readily accessible records of the QA/QC plan including QA date and quarterly reports. [N.J.A.C. 7:27-22.16(o)].	None.
6	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]			
7	Particulate Emissions <= 124.52 lb/hr for Natural Gas firing, based on maximum heat input rate during Natural Gas firing. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
8	Particulate Emissions <= 123.5 lb/hr for ULSD firing, based on maximum heat input rate during ULSD firing. [N.J.A.C. 7:27-4.2(a)]	None.	None.	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
9	VOC (Total) <= 50 ppmdv @ 15% O2. [N.J.A.C. 7:27-16.9(c)]	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. [N.J.A.C. 7:27-22.16(o)]
10	CO <= 250 ppmdv @ 15% O2. [N.J.A.C. 7:27-16.9(b)]	CO: Monitored by continuous emission monitoring system continuously , based upon the average of emissions over one calendar day, not including periods of equipment downtime. [N.J.A.C. 7:27-16.23(a)1]	CO: Recordkeeping by strip chart or data acquisition (DAS) system continuously. [N.J.A.C. 7:27-22.16(o)]	Submit an Excess Emissions and Monitoring Systems Performance Report (EEMPR): On or before every April 30, July 30, October 30, and January 30 for the preceding calendar quarter (the calendar quarters begin on January 1, April 1, July 1, and October 1) electronically through the NJDEP online EEMPR web portal. [N.J.A.C. 7:27-22.16(o)]
11	NOx (Total) <= 0.75 lb/MW-hr applies during all periods of Natural Gas combustion and during operation on high electric demand days regardless ofthe fuel combusted, unless combusting gaseous fuel is not possible due to gas curtailment. [N.J.A.C. 7:27-19.5(g)2, Table 7]. "High electric demand day" or "HEDD" means the day following a day in which the next day forecast load is estimated to have a peak value of 52,000 megawatts or higher as predicted by the PJM Interconnection 0815 update to its Mid Atlantic Region Hour Ending Integrated Forecast Load, available from PJM Interconnection at http://oasis.pjm.com/doc/projload.txt. [N.J.A.C. 7:27-19.5(g)]	Other: Monitored by a continuous emission monitoring system, based upon a calendar day between May 1 and September 30, and a 30 day rolling average between October 1 and April 30. [N.J.A.C. 7:27-19.15(a)1]. NOTE: A 30-day rolling average NOx emission rate is the arithmetic average of all hourly NOx emission data measured by the continuous emission monitoring equipment for a given day and the twenty-nine unit operating days immediately preceding that unit operating day.[40 CFR 60.4380(b)(1)].	NOx (Total): Recordkeeping by data acquisition system (DAS) / electronic data storage at the approved frequency . [N.J.A.C. 7:27-19.15(a)1]	Submit an Excess Emissions and Monitoring Systems Performance Report (EEMPR): On or before every April 30, July 30, October 30, and January 30 for the preceding quarter year (the quarter years begin on January 1, April 1, July 1, and October 1) electronically through the NJDEP online EEMPR web portal. [N.J.A.C. 7:27-22.16(o)]

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
12	NOx (Total) <= 1.2 lb/MW-hr while combusting ULSD. [N.J.A.C.7:27-19.5(g)(1)]. If the permit for the turbine allows it to combust either liquid fuel oil or gaseous fuel, the owner or operator shall cause it to emit NOx at a rate no greater than the applicable maximum allowable NOx emission rate for gaseous fuel specified in Table 7 (0.75 lb/MW-hr), during operation on high electric demand days, regardless of the fuel combusted, unless combusting gaseous fuel is not possible due to gas curtailment. [N.J.A.C. 7:27-19.5(g)2]. During NG curtailment, the owner / operator may combust ULSD in place of NG without having to comply with the NOx emission limits in N.J.A.C. 7:27-19.5. This exemption applies if the conditions at N.J.A.C. 7:27-19.25(c) are met. The records specified at N.J.A.C. 7:27-19.25(d) must be kept. [N.J.A.C. 7:27-19.25(a)], [N.J.A.C. 7:27-19.25(c)] and. [N.J.A.C. 7:27-19.25(d)]	Other: Monitored by a continuous emission monitoring system, based upon a calendar day between May 1 and September 30, and a 30 day rolling average between October 1 and April 30. [N.J.A.C. 7:27-19.15(a)1]. NOTE: A 30-day rolling average NOx emission rate is the arithmetic average of all hourly NOx emission data measured by the continuous emission monitoring equipment for a given day and the twenty-nine unit operating days immediately preceding that unit operating day.[40 CFR 60.4380(b)(1)].	NOx (Total): Recordkeeping by data acquisition system (DAS) / electronic data storage at the approved frequency. [N.J.A.C. 7:27-19.15(a)1]	Submit an Excess Emissions and Monitoring Systems Performance Report (EEMPR): On or before every April 30, July 30, October 30, and January 30 for the preceding quarter year (the quarter years begin on January 1, April 1, July 1, and October 1) electronically through the NJDEP online EEMPR web portal. [N.J.A.C. 7:27-22.16(o)]
13	Maximum Gross Heat Input <= 275,337 MMBTU (HHV) per any 365 consecutive day period when firing ULSD, for both the turbines combined. [N.J.A.C. 7:27-22.16(a)]	Maximum Gross Heat Input: Monitored by fuel flow/firing rate instrument continuously, based on a consecutive 365 day period (rolling 1 day basis) using the heating value of ULSD (139,000 BTU/gal). [N.J.A.C. 7:27-22.16(o)]	Maximum Gross Heat Input: Recordkeeping by data acquisition system (DAS) / electronic data storage daily. [N.J.A.C. 7:27-22.16(o)]	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
14	Maximum Gross Heat Input <= 1,245.2 MMBTU/hr (HHV) @ -7 degrees F per turbine. NOTE: The highest potential emissions occur at the lowest ambient temperatures. During "polar vortex" conditions ambient temperatures of minus 7 deg F was used to calculate the maximum gross heat input rate. [See the attachment list in BOP150001 for more details]. [N.J.A.C. 7:27-22.16(e)]	Maximum Gross Heat Input: Monitored by fuel flow/firing rate instrument continuously, based on a 1 hour block average. [N.J.A.C. 7:27-22.16(o)]	Maximum Gross Heat Input: Recordkeeping by data acquisition system (DAS) / electronic data storage each hour during operation. [N.J.A.C. 7:27-22.16(o)]	None.
15	Maximum Gross Heat Input <= 1,235 MMBTU/hr (HHV) during ULSD firing. [N.J.A.C. 7:27-22.16(a)]	Maximum Gross Heat Input: Monitored by fuel flow/firing rate instrument continuously, based on a 1 hour block average. [N.J.A.C. 7:27-22.16(o)]	Maximum Gross Heat Input: Recordkeeping by data acquisition system (DAS) / electronic data storage each hour during operation. [N.J.A.C. 7:27-22.16(o)]	None.
16	TSP, filterable <= 23.18 tons/yr. [N.J.A.C. 7:27-22.16(a)]	Monitored by calculations daily. The total annual emissions for the 365-day rolling period shall be calculated as follows: TSP = {[0.0031(lb/MMBtu) x NG fired (MMBtu/yr) during (OS3+OS8)] + [0.0031 (lb/MMBtu) x NG fired (MMBtu/yr) during (OS23+OS25)] + [0.0031 (lb/MMBtu) x NG fired (MMBtu/yr) during (OS24+OS26)] + [0.0043 lb/MMBtu x ULSD fired (MMBtu/yr) during (OS29+OS31)] + [0.0043 lb/MMBtu x ULSD fired (MMBtu/yr) during (+OS33+OS34+OS35+OS36)]}/(2000 lb/ton). [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by data acquisition system (DAS) / electronic data storage daily. [N.J.A.C. 7:27-22.16(o)]	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
17	Permittee shall adjust the combustion process in the turbines (E319, E321) according to the manufacturer's recommended procedures and maintenance schedule. [N.J.A.C. 7:27-19.16(g)]	Other: Monitored by manufacturer's recommended procedures.[N.J.A.C. 7:27-19.16(g)].	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. For each adjustment, record and maintain the following data for at least 5 years: 1. The date of the adjustment and the times at which it began and ended; 2. The name, title and affiliation of the person who performed the procedure and adjustment; 3. The type of procedure and maintenance performed; 4. The concentration of NOx, CO and O2, measured before and after the adjustment was made; and 5. The type and amount of fuel used prior to the adjustment. [N.J.A.C.7:27-19.16(h)]. Real-time adjustment of the combustion parameters to optimize NOx and CO emissions is performed with ECOMAX. Process data related to ECOMAX is stored in the site's computer data system. This data may be used in place of the reporting requirements specified above. [N.J.A.C. 7:27-22.16(o)]	None.
18	Maximum Gross Heat Input <= 11,380,245 MMBtu (HHV) per any 365 consecutive day period (Natural Gas + ULSD), for both turbines combined. [N.J.A.C. 7:27-22.16(a)]	Monitored by fuel flow/firing rate instrument continuously, based on a consecutive 365 day period (rolling 1 day basis) using the heating value of NG (1,020 BTU/scf) and/or the heating value of ULSD (139,000 BTU/gal). [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by data acquisition system (DAS) / electronic data storage daily. [N.J.A.C. 7:27-22.16(o)]	None.
19	NOx (Total) <= 24.58 tons/yr (when firing ULSD). [N.J.A.C. 7:27-22.16(a)]	NOx (Total): Monitored by continuous emission monitoring system continuously, based on a consecutive 365 day period (rolling 1 day basis) that measures and records in tons per year while firing ULSD. [N.J.A.C. 7:27-22.16(o)]	NOx (Total): Recordkeeping by data acquisition system (DAS) / electronic data storage daily. [N.J.A.C. 7:27-22.16(o)]	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
20	CO <= 95 tons/yr. [N.J.A.C. 7:27-22.16(a)]	CO: Monitored by continuous emission monitoring system continuously, based on a consecutive 12 month period (rolling 1 month basis) that measures and records in tons per year while firing NG and/or ULSD. [N.J.A.C. 7:27-22.16(o)]	CO: Recordkeeping by data acquisition system (DAS) / electronic data storage each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.
21	VOC (Total) <= 26.27 tons/yr (Including Formaldehyde). [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by calculations daily. The total annual emissions for the 365-day rolling period shall be calculated as follows: VOC = {[0.0027 (lb/MMBtu) x NG fired (MMBtu/yr) during (OS3+OS8)] + [0.02459 (lb/MMBtu) x NG fired (MMBtu/yr) during (OS23+OS25)] + [0.01973 (lb/MMBtu) x NG fired (MMBtu/yr) during (OS24+OS26)] + [0.0035 lb/MMBtu x ULSD fired (MMBtu/yr) during (OS29+0S31)] + [Total lb/yr emitted) during (OS33+OS34+OS35+OS36)]}/(2000 lb/ton). [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Recordkeeping by data acquisition system (DAS) / electronic data storage daily. [N.J.A.C. 7:27-22.16(o)]	None.
22	NOx (Total) <= 245 tons/yr. [N.J.A.C. 7:27-22.16(a)]	NOx (Total): Monitored by continuous emission monitoring system continuously, based on a consecutive 12 month period (rolling 1 month basis) that measures and records in tons per year while firing NG and/or ULSD. [N.J.A.C. 7:27-22.16(o)]	NOx (Total): Recordkeeping by data acquisition system (DAS) / electronic data storage each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.
23	SO2 <= 13.14 tons/yr. [N.J.A.C. 7:27-22.16(a)]	SO2: Monitored by calculations daily. The total annual emissions for the 365-day rolling period shall be calculated as follows: SO2 = {[0.00066 (lb/MMBtu) x NG fired (MMBtu/yr) during (OS3+OS8) + [0.00066 (lb/MMBtu) x NG fired (MMBtu/yr) during (OS23+OS25+OS24+OS26)] + [0.0015 lb/MMBtu x ULSD fired (MMBtu/yr) during (OS29+OS31)] + [0.0015 lb/MMBtu x ULSD fired (MMBtu/yr) during (+OS33+OS34+OS35+OS36)]}/(2000 lb/ton). [N.J.A.C. 7:27-22.16(0)]	SO2: Recordkeeping by data acquisition system (DAS) / electronic data storage daily. [N.J.A.C. 7:27-22.16(o)]	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
24	PM-10 (Total) <= 70.88 tons/yr. [N.J.A.C. 7:27-22.16(a)]	PM-10 (Total): Monitored by calculations daily. The total annual emissions for the 365-day rolling period shall be calculated as follows: PM-10 = {[0.009 (lb/MMBtu) x NG fired (MMBtu/yr) during (OS3+OS8)] + [0.009 (lb/MMBtu) x NG fired (MMBtu/yr) during (OS23+OS25)] + [0.009 (lb/MMBtu) x NG fired (MMBtu/yr) during (OS24+OS26)] + [0.0248 lb/MMBtu x ULSD fired (MMBtu/yr) during (OS29+OS31)] + [0.0248 lb/MMBtu x ULSD fired (MMBtu/yr) during (+OS33+OS34+OS35+OS36)]}/(2000 lb/ton). [N.J.A.C. 7:27-22.16(o)]	PM-10 (Total): Recordkeeping by data acquisition system (DAS) / electronic data storage daily. [N.J.A.C. 7:27-22.16(o)]	None.
25	PM-2.5 (Total) <= 70.88 tons/yr. [N.J.A.C. 7:27-22.16(a)]	PM-2.5 (Total): Monitored by calculations daily. The total annual emissions for the 365-day rolling period shall be calculated as follows: PM-2.5 = {[0.009 (lb/MMBtu) x NG fired (MMBtu/yr) during (OS3+OS8)] + [0.009 (lb/MMBtu) x NG fired (MMBtu/yr) during (OS23+OS25)] + [0.009 (lb/MMBtu) x NG fired (MMBtu/yr) during (OS24+OS26)] + [0.0248 lb/MMBtu x ULSD fired (MMBtu/yr) during (OS29+OS31)] + [0.0248 lb/MMBtu x ULSD fired (MMBtu/yr) during (+OS33+OS34+OS35+OS36)]}/(2000 lb/ton). [N.J.A.C. 7:27-22.16(o)]	PM-2.5 (Total): Recordkeeping by data acquisition system (DAS) / electronic data storage daily. [N.J.A.C. 7:27-22.16(o)]	None.
26	Acrolein <= 0.0364 tons/yr. Based on the maximum heat input rate of 11,380,245 MMBtu/yr for the two turbines cobined, maximum heat input rate of 275,337 MMBtu/yr while firing ULSD and the AP-42 emission factor. Maximum facility-wide annual emission is the greater of the worst case emission during NG firing or the worst case emission during the combination of ULSD and NG firing. [N.J.A.C. 7:27-22.16(a)]	Acrolein: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Acrolein: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Keep records of initial calculations. [N.J.A.C. 7:27-22.16(o)]	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
27	Acetaldehyde <= 0.228 tons/yr. Based on the maximum heat input rate of 11,380,245 MMBtu/yr for the two turbines cobined, maximum heat input rate of 275,337 MMBtu/yr while firing ULSD and the AP-42 emission factor. Maximum facility-wide annual emission is the greater of the worst case emission during NG firing or the worst case emission during the combination of ULSD and NG firing. [N.J.A.C. 7:27-22.16(a)]	Acetaldehyde: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Acetaldehyde: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Keep records of initial calculations. [N.J.A.C. 7:27-22.16(o)]	None.
28	Ethylbenzene <= 0.182 tons/yr. Based on the maximum heat input rate of 11,380,245 MMBtu/yr for the two turbines cobined, maximum heat input rate of 275,337 MMBtu/yr while firing ULSD and the AP-42 emission factor. Maximum facility-wide annual emission is the greater of the worst case emission during NG firing or the worst case emission during the combination of ULSD and NG firing. [N.J.A.C. 7:27-22.16(a)]	Ethylbenzene: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Ethylbenzene: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Keep records of initial calculations. [N.J.A.C. 7:27-22.16(o)]	None.
29	Benzene <= 0.076 tons/yr. Based on the maximum heat input rate of 11,380,245 MMBtu/yr for the two turbines cobined, maximum heat input rate of 275,337 MMBtu/yr while firing ULSD and the AP-42 emission factor. Maximum facility-wide annual emission is the greater of the worst case emission during NG firing or the worst case emission during the combination of ULSD and NG firing. [N.J.A.C. 7:27-22.16(a)]	Benzene: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Benzene: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Keep records of initial calculations. [N.J.A.C. 7:27-22.16(o)]	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
30	Beryllium Emissions <= 0.00005 tons/yr. Based on the maximum heat input rate of 11,380,245 MMBtu/yr for the two turbines cobined, maximum heat input rate of 275,337 MMBtu/yr while firing ULSD and the AP-42 emission factor. Maximum facility-wide annual emission is the greater of the worst case emission during NG firing or the worst case emission during the combination of ULSD and NG firing. [N.J.A.C. 7:27-22.16(a)]	Beryllium Emissions: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Beryllium Emissions: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Keep records of initial calculations. [N.J.A.C. 7:27-22.16(o)]	None.
31	Butadiene (1,3-) <= 0.005 tons/yr. Based on the maximum heat input rate of 11,380,245 MMBtu/yr for the two turbines cobined, maximum heat input rate of 275,337 MMBtu/yr while firing ULSD and the AP-42 emission factor. Maximum facility-wide annual emission is the greater of the worst case emission during NG firing or the worst case emission during the combination of ULSD and NG firing. [N.J.A.C. 7:27-22.16(a)]	Butadiene (1,3-): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Butadiene (1,3-): Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Keep records of initial calculations. [N.J.A.C. 7:27-22.16(o)]	None.
32	Cadmium Emissions <= 0.00077 tons/yr. Based on the maximum heat input rate of 11,380,245 MMBtu/yr for the two turbines cobined, maximum heat input rate of 275,337 MMBtu/yr while firing ULSD and the AP-42 emission factor. Maximum facility-wide annual emission is the greater of the worst case emission during NG firing or the worst case emission during the combination of ULSD and NG firing. [N.J.A.C. 7:27-22.16(a)]	Cadmium Emissions: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Cadmium Emissions: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Keep records of initial calculations. [N.J.A.C. 7:27-22.16(o)]	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
33	Formaldehyde <= 4.04 tons/yr. Based on the maximum heat input rate of 11,380,245 MMBtu/yr for the two turbines cobined, maximum heat input rate of 275,337 MMBtu/yr while firing ULSD and the AP-42 emission factor. Maximum facility-wide annual emission is the greater of the worst case emission during NG firing or the worst case emission during the combination of ULSD and NG firing. [N.J.A.C. 7:27-22.16(a)]	Formaldehyde: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Formaldehyde: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Keep records of initial calculations. [N.J.A.C. 7:27-22.16(o)]	None.
34	Propylene oxide <= 0.165 tons/yr. Based on the maximum heat input rate of 11,380,245 MMBtu/yr for the two turbines cobined, maximum heat input rate of 275,337 MMBtu/yr while firing ULSD and the AP-42 emission factor. Maximum facility-wide annual emission is the greater of the worst case emission during NG firing or the worst case emission during the combination of ULSD and NG firing. [N.J.A.C. 7:27-22.16(a)]	Propylene oxide: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Propylene oxide: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Keep records of initial calculations. [N.J.A.C. 7:27-22.16(o)]	None.
35	Manganese Emissions <= 0.012 tons/yr. Based on the maximum heat input rate of 11,380,245 MMBtu/yr for the two turbines cobined, maximum heat input rate of 275,337 MMBtu/yr while firing ULSD and the emission factor for metals from the California Air Resources Board. Maximum facility-wide annual emission is the greater of the worst case emission during NG firing or the worst case emission during the combination of ULSD and NG firing. [N.J.A.C. 7:27-22.16(a)]	Manganese Emissions: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Manganese Emissions: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Keep records of initial calculations. [N.J.A.C. 7:27-22.16(o)]	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
36	Naphthalene <= 0.013 tons/yr. Based on the maximum heat input rate of 11,380,245 MMBtu/yr for the two turbines cobined, maximum heat input rate of 275,337 MMBtu/yr while firing ULSD and the AP-42 emission factor. Maximum facility-wide annual emission is the greater of the worst case emission during NG firing or the worst case emission during the combination of ULSD and NG firing. [N.J.A.C. 7:27-22.16(a)]	Naphthalene: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Naphthalene: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Keep records of initial calculations. [N.J.A.C. 7:27-22.16(o)]	None.
37	Nickel Emissions <= 0.00074 tons/yr. Based on the maximum heat input rate of 11,380,245 MMBtu/yr for the two turbines cobined, maximum heat input rate of 275,337 MMBtu/yr while firing ULSD and the AP-42 emission factor. Maximum facility-wide annual emission is the greater of the worst case emission during NG firing or the worst case emission during the combination of ULSD and NG firing. [N.J.A.C. 7:27-22.16(a)]	Nickel Emissions: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Nickel Emissions: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Keep records of initial calculations. [N.J.A.C. 7:27-22.16(o)]	None.
38	Polynuclear aromatic hydrocarbons (PAHs) <= 0.0186 tons/yr. Based on the maximum heat input rate of 11,380,245 MMBtu/yr for the two turbines cobined, maximum heat input rate of 275,337 MMBtu/yr while firing ULSD and the AP-42 emission factor. Maximum facility-wide annual emission is the greater of the worst case emission during NG firing or the worst case emission during the combination of ULSD and NG firing. [N.J.A.C. 7:27-22.16(a)]	Polynuclear aromatic hydrocarbons (PAHs): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Polynuclear aromatic hydrocarbons (PAHs): Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Keep records of initial calculations. [N.J.A.C. 7:27-22.16(o)]	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
39	Pb <= 0.0023 tons/yr. Based on the maximum heat input rate of 11,380,245 MMBtu/yr for the two turbines cobined, maximum heat input rate of 275,337 MMBtu/yr while firing ULSD and the AP-42 emission factor. Maximum facility-wide annual emission is the greater of the worst case emission during NG firing or the worst case emission during the combination of ULSD and NG firing. [N.J.A.C. 7:27-22.16(a)]	Pb: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Pb: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Keep records of initial calculations. [N.J.A.C. 7:27-22.16(o)]	None.
40	The owner or operator 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. The file shall be retained for at least two years following the date of such measurements, maintenance, reports, and records. [40 CFR 60.7(f)]	None.	None.	None.
41	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 or storing data in a computer data system upon occurrence of event. The records should be kept in a permanent form suitable for inspections. [40 CFR 60.7(b)]	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
42	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.
43	Each owner or operator required to install a continuous monitoring device shall submit an excess emissions and monitoring systems performance report and/or a summary report as specified at [40 CFR 60.7(c)] and [40 CFR 60.7(d)]	None.	Other: Written reports of excess emissions shall include the following information specified at [40 CFR 60.7(c)(1)] through [40 CFR 60.7(c)(4)] and/or[40 CFR 60.7(d)].	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 be postmarked by the 30th day following the end of each six-month period. [40 CFR 60.7(c)] and. [40 CFR 60.7(d)]
44	Requests, reports, applications, submittals, and other communications to the Administrator shall be suibmitted to the Regional Office of USEPA and the NJDEP Regional Enforcement Office as specified at [40 CFR 60.4(a)] and [40 CFR 60.4(b)]	None.	None.	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
45	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.
46	The owner or operator shall furnish the Administrator, for each affected facility, written notification or, if acceptable to the Administrator, electronic notification of, the date of construction or reconstruction, the actual date of initial startup, and any physical or operational change, as specified at [40 CFR 60.7(a)(1)] and [40 CFR 60.7(a)(3)] through [40 CFR 60.7(a)(5)]	None.	None.	Submit notification: Upon occurrence of event to EPA Region II and the appropriate Regional Enforcement Office of NJDEP as required by 40 CFR 60.7 [40 CFR 60.7(a)(1)]
47	All continuous monitoring systems and monitoring devices shall be installed and operational prior to conducting performance tests at 40 CFR 60.8. Verification of operational status shall, as a minimum, include completion of the manufacturer's written requirements or recommendations for installation, operation, and calibration of the device. [40 CFR 60.13(b)]	None.	None.	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
48	If an owner or operator of an existing facility proposes to replace components, and the fixed capital cost of the new components exceeds 50 percent of the fixed capital cost that would be required to construct a comparable entirely new facility, he shall notify the Administrator of the proposed replacements. [40 CFR 60.15(d)]	None.	None.	Submit notification: At a common schedule agreed upon by the operator and the Administrator. The notification shall include information listed at 40 CFR 60.15(d)(1) through (7). The notification shall be postmarked 60 days (or as soon as practicable) before construction of the replacements is commenced. [40 CFR 60.15(d)]
49	Except for system breakdowns, repairs, calibration checks, and zero and span adjustments, all continuous monitoring systems measuring emissions except opacity shall be in continuous operation. They shall complete a minimum of one cycle of operation (sampling, analyzing and data recording) for each successive 15-minute period. [40 CFR 60.13(e)(2)]	None.	None.	None.
50	Within 60 days after achieving the maximum production rate at which the affected facility will operate, but not later than 180 days after initial startup of the facility, the owner or operator shall conduct performance test(s) and shall furnish the Administrator a written report of the results. [40 CFR 60.8(a)]	None.	None.	None.
51	The owner or operator shall conduct performance tests according to the requirements and procedures specified at 40 CFR 60.8(b) through [40 CFR 60.8(i)]	None.	None.	None.
52	The owner or operator shall reduce all continuous monitoring systems (other than opacity) data to 1-hour averages using the procedures at [40 CFR 60.13(h)(2)(i)] through [40 CFR 60.13(h)(2)(ix)]	None.	None.	None.

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Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
53	Owners and operators of a CEMS must check the zero (or low level value between 0 and 20 percent of span value) and span (50 to 100 percent of span value) calibration drifts at least once each operating day in accordance with a written procedure. The zero and span must, at a minimum, be adjusted whenever either the 24-hour zero drift or the 24-hour span drift exceeds two times the limit of the applicable performance specification in appendix B of this part. The system must allow the amount of the excess zero and span drift to be recorded and quantified whenever specified. [40 CFR 60.13(d)(1)]	None.	None.	None.
54	All continuous monitoring systems or monitoring devices shall be installed so that representative measurements of emissions or process parameters are obtained. Procedures for locating continuous monitoring systems contained in the applicable Performance Specifications of Appendix B of 40 CFR Part 60 shall be used. [40 CFR 60.13(f)]	None.	None.	None.
55	The permittee shall comply with all the requirements of the Phase II Acid Rain Permit issued for the affected units. [40 CFR 72]	Other: See attached Phase II Acid Rain Permit (Appendix I).[40 CFR 72].	Other: See attached Phase II Acid Rain Permit (Appendix I).[40 CFR 72].	Comply with the requirement: As per the approved schedule. See attached Phase II Acid Rain Permit (Appendix I). [40 CFR 72]
56	SO2 <= 0.06 lb/MMBTU when firing NG or ULSD. [40 CFR 60.4330(a)(2)]	Other: Demonstrate that the fuel cannot exceed potential sulfur emissions of 0.060 lb SO2/MMBtu).[40 CFR 60.4365(a)].	Other: Keep a current, valid purchase contract, tariff sheet or transportation contract for the fuel, which specifies that the maximum total sulfur content for oil is 500 ppmw or less, the total sulfur content for natural gas is 20 grains or less per 100 SCF, and has the potential sulfur emissions of less than 0.060 lb SO2/MMBtu.[40 CFR 60.4365(a)].	Demonstrate compliance: Once initially. [40 CFR 60.4365(a)]. Demonstration completed. Documentation maintained on site. [N.J.A.C. 7:27-22.16(o)]

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Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
57	NOx (Total) <= 15 ppm @ 15% O2 when firing natural gas (NG): [Table 1 to Subpart KKKK of Part 60] and. [40 CFR 60.4325]	Other: Install, certify, maintain, and operate a continuous emission monitoring system (CEMS) consisting of a NOx monitor and a diluent gas (oxygen (O2) or carbon dioxide (CO2)) monitor, to determine the hourly NOx emission rate in ppm or lb/MMBtu. [40 CFR 60.4335(b)(1)]. Comply with the requirements for the CEM system equipment specified at [40 CFR 60.4345].	Other: Record excess emissions and monitor downtime. Excess emissions occur in any unit operating period in which the 30-day rolling average NOx emission rate exceeds the 15 ppm at 15 percent O2 limit. A 30-day rolling average NOx emission rate is the arithmetic average of all hourly NOx emission data in ppm measured by the continuous emission monitoring equipment for a given day, and the twenty-nine unit operating days immediately preceding that unit operating day. [40 CFR 60.4380(b)(1)] A period of monitor downtime is any unit operating hour in which the data for NOx concentration or O2 is either missing or invalid.[40 CFR 60.4380(b)(2)].	Submit a deviation report: As per the approved schedule. You must submit reports of excess emissions and monitor downtime, in accordance with 40 CFR 60.7(c). Excess emissions must be reported for all periods of unit operation, including start-up, shutdown, and malfunction.[40 CFR 60.4375(a)]. Reports required under 40 CFR 60.7(c) must be postmarked by the 30th day following the end of each 6-month period. [40 CFR 60.4395]
58	NOx (Total) <= 42 ppm @ 15% O2 when firing ultra low sulfur diesel (ULSD): [Table 1 to Subpart KKKK of Part 60] and. [40 CFR 60.4325]	Other: Install, certify, maintain, and operate a continuous emission monitoring system (CEMS) consisting of a NOx monitor and a diluent gas (oxygen (O2) or carbon dioxide (CO2)) monitor, to determine the hourly NOx emission rate in ppm or lb/MMBtu. [40 CFR 60.4335(b)(1)]. Comply with the requirements for the CEM system equipment specified at[40 CFR 60.4345].	Other: Record excess emissions and monitor downtime. Excess emissions occur in any unit operating period in which the 30-day rolling average NOx emission rate exceeds the 42 ppm at 15 percent O2 limit. A 30-day rolling average NOx emission rate is the arithmetic average of all hourly NOx emission data in ppm measured by the continuous emission monitoring equipment for a given day, and the twenty-nine unit operating days immediately preceding that unit operating day.[40 CFR 60.4380(b)(1)]. A period of monitor downtime is any unit operating hour in which the data for NOx concentration or O2 is either missing or invalid.[40 CFR 60.4380(b)(2)].	Submit a deviation report: As per the approved schedule. You must submit reports of excess emissions and monitor downtime, in accordance with 40 CFR 60.7(c). Excess emissions must be reported for all periods of unit operation, including start-up, shutdown, and malfunction.[40 CFR 60.4375(a)]. Reports required under 40 CFR 60.7(c) must be postmarked by the 30th day following the end of each 6-month period. [40 CFR 60.4395]

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Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
59	You must operate and maintain your stationary combustion turbine, air pollution control equipment, and monitoring equipment in a manner consistent with good air pollution control practices for minimizing emissions at all times including during startup, shutdown, and malfunction. [40 CFR 60.4333(a)]	None.	None.	None.
60	CSAPR: The permittee shall comply with all the attached requirements of Cross-State Air Pollution Rule (CSAPR) for the CSAPR NOx Annual Trading Program, CSAPR NOx Ozone Season Trading Program, and CSAPR SO2 Group 1 Trading Program applicable to this affected unit. See CSAPR Attachment. [40 CFR 97]	Other: See the monitoring requirements in the CSAPR Attachment.[40 CFR 97].	Other: See the recordkeeping requirements in the CSAPR Attachment.[40 CFR 97].	Other (provide description): Other. See the submittal requirements in the CSAPR Attachment. [40 CFR 97]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U99 Two Identical Combined Cycle Gas Turbines, Firing NG or ULSD, Equipped with Fogging + Steam Injection Systems**

Operating Scenario: **OS3 Gas Turbine No.1 firing NG with steam injection, with or without fogging., OS8 Gas Turbine No.2 firing NG with steam injection, with or without fogging.**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Opacity <= 10 % , exclusive of visible condensed water vapor, except for a period of not longer than 10 consecutive seconds. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
2	TSP <= 3.64 lb/hr. [N.J.A.C. 7:27-22.16(a)]	TSP: Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs. See OS Summary for stack testing requirements. [N.J.A.C. 7:27-22.16(o)]	TSP: Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). See OS Summary for stack testing requirements. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See OS Summary for stack testing requirements. [N.J.A.C. 7:27-22.16(o)]
3	TSP <= 0.0031 lb/MMBTU. [N.J.A.C. 7:27-22.16(a)]	TSP: Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs. See OS Summary for stack testing requirements. [N.J.A.C. 7:27-22.16(o)]	TSP: Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). See OS Summary for stack testing requirements. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See OS Summary for stack testing requirements. [N.J.A.C. 7:27-22.16(o)]
4	PM-10 (Total) <= 11.21 lb/hr. [N.J.A.C. 7:27-22.16(a)]	PM-10 (Total): Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs. See OS Summary for stack testing requirements. [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). See OS Summary for stack testing requirements. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See OS Summary for stack testing requirements. [N.J.A.C. 7:27-22.16(o)]
5	PM-10 (Total) <= 0.009 lb/MMBTU. [N.J.A.C. 7:27-22.16(a)]	PM-10 (Total): Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs. See OS Summary for stack testing requirements. [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). See OS Summary for stack testing requirements. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See OS Summary for stack testing requirements. [N.J.A.C. 7:27-22.16(o)]
6	PM-2.5 (Total) <= 11.21 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	PM-2.5 (Total) <= 0.009 lb/MMBTU. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
8	VOC (Total) <= 3.31 lb/hr (Including Formaldehyde). [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. See OS Summary for stack testing requirements. [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). See OS Summary for stack testing requirements. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See OS Summary for stack testing requirements. [N.J.A.C. 7:27-22.16(o)]
9	VOC (Total) <= 0.0027 lb/MMBTU (Including Formaldehyde). [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. See OS Summary for stack testing requirements. [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). See OS Summary for stack testing requirements. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See OS Summary for stack testing requirements. [N.J.A.C. 7:27-22.16(o)]
10	VOC (Total) <= 4 ppmvd @ 15% O2. [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. See OS Summary for stack testing requirements. [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). See OS Summary for stack testing requirements. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See OS Summary for stack testing requirements. [N.J.A.C. 7:27-22.16(o)]
11	CO <= 0.011 lb/MMBTU. [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). See OS Summary for stack testing requirements. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See OS Summary for stack testing requirements. [N.J.A.C. 7:27-22.16(o)]
12	CO <= 12.6 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). See OS Summary for stack testing requirements. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See OS Summary for stack testing requirements. [N.J.A.C. 7:27-22.16(o)]
13	CO <= 5.3 ppmvd @ 15% O2. [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. See OS Summary for stack testing requirements. [N.J.A.C. 7:27-22.16(o)]	CO: Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). See OS Summary for stack testing requirements. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See OS Summary for stack testing requirements. [N.J.A.C. 7:27-22.16(o)]

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
14	CO <= 5.3 ppmvd @ 15% O2. [N.J.A.C. 7:27-22.16(a)]	CO: Monitored by continuous emission monitoring system continuously, based on a 3 hour rolling average based on a 1 hour block average. [N.J.A.C. 7:27-22.16(o)]	CO: Recordkeeping by strip chart or data acquisition (DAS) system continuously. [N.J.A.C. 7:27-22.16(o)]	Submit an Excess Emissions and Monitoring Systems Performance Report (EEMPR): On or before every April 30, July 30, October 30, and January 30 for the preceding quarter year (the quarter years begin on January 1, April 1, July 1, and October 1) electronically through the NJDEP online EEMPR web portal. [N.J.A.C. 7:27-22.16(o)]
15	SO2 <= 0.77 lb/hr. [N.J.A.C. 7:27-22.16(a)]	SO2: Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs. See OS Summary for stack testing requirements. [N.J.A.C. 7:27-22.16(o)]	SO2: Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). See OS Summary for stack testing requirements. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See OS Summary for stack testing requirements. [N.J.A.C. 7:27-22.16(o)]
16	SO2 <= 0.00066 lb/MMBTU. [N.J.A.C. 7:27-22.16(a)]	SO2: Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs. See OS Summary for stack testing requirements. [N.J.A.C. 7:27-22.16(o)]	SO2: Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). See OS Summary for stack testing requirements. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See OS Summary for stack testing requirements. [N.J.A.C. 7:27-22.16(o)]
17	NOx (Total) <= 32.13 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. See OS Summary for stack testing requirements. [N.J.A.C. 7:27-22.16(o)]	NOx (Total): Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). See OS Summary for stack testing requirements. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See OS Summary for stack testing requirements. [N.J.A.C. 7:27-22.16(o)]
18	NOx (Total) <= 0.026 lb/MMBTU. [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. See OS Summary for stack testing requirements. [N.J.A.C. 7:27-22.16(o)]	NOx (Total): Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). See OS Summary for stack testing requirements. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See OS Summary for stack testing requirements. [N.J.A.C. 7:27-22.16(o)]
19	NOx (Total) <= 7 ppmvd @ 15% O2. [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. See OS Summary for stack testing requirements. [N.J.A.C. 7:27-22.16(o)]	NOx (Total): Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). See OS Summary for stack testing requirements. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See OS Summary for stack testing requirements. [N.J.A.C. 7:27-22.16(o)]

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
20	NOx (Total) <= 7 ppmvd @ 15% O2. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by a continuous emission monitoring system, based upon a calendar day between May 1 and September 30, and a 30 day rolling average between October 1 and April 30. [N.J.A.C. 7:27-19.15(a)1]. NOTE: A 30-day rolling average NOx emission rate is the arithmetic average of all hourly NOx emission data measured by the continuous emission monitoring equipment for a given day and the twenty-nine unit operating days immediately preceding that unit operating day.[40 CFR 60.4380(b)(1)].	NOx (Total): Recordkeeping by strip chart or data acquisition (DAS) system continuously. [N.J.A.C. 7:27-22.16(o)]	Submit an Excess Emissions and Monitoring Systems Performance Report (EEMPR): On or before every April 30, July 30, October 30, and January 30 for the preceding quarter year (the quarter years begin on January 1, April 1, July 1, and October 1) electronically through the NJDEP online EEMPR web portal. [N.J.A.C. 7:27-22.16(o)]
21	Formaldehyde <= 0.8841 lb/hr. based on US EPA AP-42 Emission Factor Guidance Document, Section 3.1, Table 3.1-3 and heat input of 1245.2 MMBtu/hr. [N.J.A.C. 7:27-22.16(a)]	Formaldehyde: Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs. See OS Summary for stack testing requirements. [N.J.A.C. 7:27-22.16(o)]	Formaldehyde: Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). See OS Summary for stack testing requirements. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See OS Summary for stack testing requirements. [N.J.A.C. 7:27-22.16(o)]
22	Benzene <= 0.015 lb/hr. based on US EPA AP-42 Emission Factor Guidance Document, Section 3.1, Table 3.1-3 and heat input of 1245.2 MMBtu/hr. [N.J.A.C. 7:27-22.16(a)]	Benzene: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Benzene: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Keep records of initial calculations. [N.J.A.C. 7:27-22.16(o)]	None.
23	Acrolein <= 0.008 lb/hr. based on US EPA AP-42 Emission Factor Guidance Document, Section 3.1, Table 3.1-3 and heat input of 1245.2 MMBtu/hr. [N.J.A.C. 7:27-22.16(a)]	Acrolein: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Acrolein: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Keep records of initial calculations. [N.J.A.C. 7:27-22.16(o)]	None.
24	Polynuclear aromatic hydrocarbons (PAHs) <= 0.0027 lb/hr. based on US EPA AP-42 Emission Factor Guidance Document, Section 3.1, Table 3.1-3 and heat input of 1245.2 MMBtu/hr. [N.J.A.C. 7:27-22.16(a)]	Polynuclear aromatic hydrocarbons (PAHs): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Polynuclear aromatic hydrocarbons (PAHs): Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Keep records of initial calculations. [N.J.A.C. 7:27-22.16(o)]	None.
25	Butadiene (1,3-) <= 0.00054 lb/hr. based on US EPA AP-42 Emission Factor Guidance Document, Section 3.1, Table 3.1-3 and heat input of 1245.2 MMBtu/hr. [N.J.A.C. 7:27-22.16(a)]	Butadiene (1,3-): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Butadiene (1,3-): Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Keep records of initial calculations. [N.J.A.C. 7:27-22.16(o)]	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
26	Acetaldehyde <= 0.0498 lb/hr. based on US EPA AP-42 Emission Factor Guidance Document, Section 3.1, Table 3.1-3 and heat input of 1245.2 MMBtu/hr. [N.J.A.C. 7:27-22.16(a)]	Acetaldehyde: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Acetaldehyde: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Keep records of initial calculations. [N.J.A.C. 7:27-22.16(o)]	None.
27	Naphthalene <= 0.0016 lb/hr. based on US EPA AP-42 Emission Factor Guidance Document, Section 3.1, Table 3.1-3 and heat input of 1245.2 MMBtu/hr. [N.J.A.C. 7:27-22.16(a)]	Naphthalene: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Naphthalene: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Keep records of initial calculations. [N.J.A.C. 7:27-22.16(o)]	None.
28	Ethylbenzene <= 0.0398 lb/hr. based on US EPA AP-42 Emission Factor Guidance Document, Section 3.1, Table 3.1-3 and heat input of 1245.2 MMBtu/hr. [N.J.A.C. 7:27-22.16(a)]	Ethylbenzene: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Ethylbenzene: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Keep records of initial calculations. [N.J.A.C. 7:27-22.16(o)]	None.
29	Propylene oxide <= 0.0361 lb/hr. based on US EPA AP-42 Emission Factor Guidance Document, Section 3.1, Table 3.1-3 and heat input of 1245.2 MMBtu/hr. [N.J.A.C. 7:27-22.16(a)]	Propylene oxide: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Propylene oxide: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Keep records of initial calculations. [N.J.A.C. 7:27-22.16(o)]	None.

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Facility Specific Requirements

Emission Unit: **U99 Two Identical Combined Cycle Gas Turbines, Firing NG or ULSD, Equipped with Fogging + Steam Injection Systems**
Operating Scenario: **OS23 Gas Turbine No.1 start-up firing NG., OS25 Gas Turbine No.2 start-up firing NG.**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Start-up Period <= 3 hours. Start-up is the period during which the turbine begins operating until it reaches steady state emissions compliance. [N.J.A.C. 7:27-22.16(a)]	None.	Start-up Period: Recordkeeping by data acquisition system (DAS) / electronic data storage upon occurrence of event. Keep records of the dates and duration for each start-up. [N.J.A.C. 7:27-22.16(o)]	None.
2	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.
3	PM-10 (Total) <= 0.009 lb/MMBTU. (Emission factor used to calculate emissions during start-up). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	PM-2.5 (Total) <= 0.009 lb/MMBTU. (Emission factor used to calculate emissions during start-up). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	TSP <= 0.0031 lb/MMBTU. (Emission factor used to calculate emissions during start-up). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	VOC (Total) <= 0.02459 lb/MMBTU. (Emission factor used to calculate emissions during start-up). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	SO2 <= 0.00066 lb/MMBTU. (Emission factor used to calculate emissions during start-up). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Acetaldehyde <= 0.0498 lb/hr. based on US EPA AP-42 Emission Factor Guidance Document, Section 3.1, Table 3.1-3 and maximum heat input rate of 1245.2 MMBtu/hr. [N.J.A.C. 7:27-22.16(a)]	Acetaldehyde: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Acetaldehyde: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Keep records of initial calculations. [N.J.A.C. 7:27-22.16(o)]	None.
9	Acrolein <= 0.008 lb/hr. based on US EPA AP-42 Emission Factor Guidance Document, Section 3.1, Table 3.1-3 and maximum heat input rate of 1245.2 MMBtu/hr. [N.J.A.C. 7:27-22.16(a)]	Acrolein: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Acrolein: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Keep records of intial calculations. [N.J.A.C. 7:27-22.16(o)]	None.

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Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
10	Benzene <= 0.015 lb/hr. based on US EPA AP-42 Emission Factor Guidance Document, Section 3.1, Table 3.1-3 and maximum heat input rate of 1245.2 MMBtu/hr. [N.J.A.C. 7:27-22.16(a)]	Benzene: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Benzene: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Keep records of intial calculations. [N.J.A.C. 7:27-22.16(o)]	None.
11	Butadiene (1,3-) <= 0.00054 lb/hr. based on US EPA AP-42 Emission Factor Guidance Document, Section 3.1, Table 3.1-3 and maximum heat input rate of 1245.2 MMBtu/hr. [N.J.A.C. 7:27-22.16(a)]	Butadiene (1,3-): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Butadiene (1,3-): Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Keep records of intial calculations. [N.J.A.C. 7:27-22.16(o)]	None.
12	Ethylbenzene <= 0.0398 lb/hr. based on US EPA AP-42 Emission Factor Guidance Document, Section 3.1, Table 3.1-3 and maximum heat input rate of 1245.2 MMBtu/hr. [N.J.A.C. 7:27-22.16(a)]	Ethylbenzene: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Ethylbenzene: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Keep records of intial calculations. [N.J.A.C. 7:27-22.16(o)]	None.
13	Formaldehyde <= 0.8841 lb/hr. based on US EPA AP-42 Emission Factor Guidance Document, Section 3.1, Table 3.1-3 and maximum heat input rate of 1245.2 MMBtu/hr. [N.J.A.C. 7:27-22.16(a)]	Formaldehyde: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Formaldehyde: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Keep records of intial calculations. [N.J.A.C. 7:27-22.16(o)]	None.
14	Naphthalene <= 0.0016 lb/hr. based on US EPA AP-42 Emission Factor Guidance Document, Section 3.1, Table 3.1-3 and maximum heat input rate of 1245.2 MMBtu/hr. [N.J.A.C. 7:27-22.16(a)]	Naphthalene: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Naphthalene: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Keep records of intial calculations. [N.J.A.C. 7:27-22.16(o)]	None.
15	Polynuclear aromatic hydrocarbons (PAHs) <= 0.0027 lb/hr. based on US EPA AP-42 Emission Factor Guidance Document, Section 3.1, Table 3.1-3 and maximum heat input rate of 1245.2 MMBtu/hr. [N.J.A.C. 7:27-22.16(a)]	Polynuclear aromatic hydrocarbons (PAHs): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Polynuclear aromatic hydrocarbons (PAHs): Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Keep records of intial calculations. [N.J.A.C. 7:27-22.16(o)]	None.
16	Propylene oxide <= 0.0361 lb/hr. based on US EPA AP-42 Emission Factor Guidance Document, Section 3.1, Table 3.1.3 and maximum heat input rate of 1245.2 MMBtu/hr. [N.J.A.C. 7:27-22.16(a)]	Propylene oxide: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Propylene oxide: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Keep records of intial calculations. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U99 Two Identical Combined Cycle Gas Turbines, Firing NG or ULSD, Equipped with Fogging + Steam Injection Systems**
Operating Scenario: **OS24 Gas Turbine No.1 shut-down firing NG., OS26 Gas Turbine No.2 shut-down firing NG.**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Opacity <= 20 % , exclusive of visible condensed water vapor, except for a period of not longer than 10 consecutive seconds. [N.J.A.C. 7:27- 3.5]	None.	None.	None.
2	Shutdown is the period during which the turbine base load drops below 60% with the intention of shutting down the unit, to final cessation of operation. Shut-down duration <= 1 hr. [N.J.A.C. 7:27-22.16(a)]	None.	Recordkeeping by data acquisition system (DAS) / electronic data storage upon occurrence of event. Keep records of the dates and duration for each shutdown. [N.J.A.C. 7:27-22.16(o)]	None.
3	PM-10 (Total) <= 0.009 lb/MMBTU. (Emission factor used to calculate emissions during shutdown). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	PM-2.5 (Total) <= 0.009 lb/MMBTU. (Emission factor used to calculate emissions during shutdown). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	TSP <= 0.0031 lb/MMBTU. (Emission factor used to calculate emissions during shutdown). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	VOC (Total) <= 0.01973 lb/MMBTU. (Emission factor used to calculate emissions during shutdown). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	SO2 <= 0.00066 lb/MMBTU. (Emission factor used to calculate emissions during shutdown). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Acetaldehyde <= 0.0498 lb/hr. based on US EPA AP-42 Emission Factor Guidance Document, Section 3.1, Table 3.1-3 and maximum heat input rate of 1245.2 MMBtu/hr. [N.J.A.C. 7:27-22.16(a)]	Acetaldehyde: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Acetaldehyde: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Keep records of initial calculations. [N.J.A.C. 7:27-22.16(o)]	None.
9	Acrolein <= 0.008 lb/hr. based on US EPA AP-42 Emission Factor Guidance Document, Section 3.1, Table 3.1-3 and maximum heat input rate of 1245.2 MMBtu/hr. [N.J.A.C. 7:27-22.16(a)]	Acrolein: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Acrolein: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Keep records of initial calculations. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
10	Benzene <= 0.015 lb/hr. based on US EPA AP-42 Emission Factor Guidance Document, Section 3.1, Table 3.1-3 and maximum heat input rate of 1245.2 MMBtu/hr. [N.J.A.C. 7:27-22.16(a)]	Benzene: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Benzene: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Keep records of initial calculations. [N.J.A.C. 7:27-22.16(o)]	None.
11	Butadiene (1,3-) <= 0.00054 lb/hr. based on US EPA AP-42 Emission Factor Guidance Document, Section 3.1, Table 3.1-3 and maximum heat input rate of 1245.2 MMBtu/hr. [N.J.A.C. 7:27-22.16(a)]	Butadiene (1,3-): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Butadiene (1,3-): Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Keep records of initial calculations. [N.J.A.C. 7:27-22.16(o)]	None.
12	Ethylbenzene <= 0.0398 lb/hr. based on US EPA AP-42 Emission Factor Guidance Document, Section 3.1, Table 3.1-3 and maximum heat input rate of 1245.2 MMBtu/hr. [N.J.A.C. 7:27-22.16(a)]	Ethylbenzene: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Ethylbenzene: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Keep records of initial calculations. [N.J.A.C. 7:27-22.16(o)]	None.
13	Formaldehyde <= 0.8841 lb/hr. based on US EPA AP-42 Emission Factor Guidance Document, Section 3.1, Table 3.1-3 and maximum heat input rate of 1245.2 MMBtu/hr. [N.J.A.C. 7:27-22.16(a)]	Formaldehyde: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Formaldehyde: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Keep records of initial calculations. [N.J.A.C. 7:27-22.16(o)]	None.
14	Naphthalene <= 0.0016 lb/hr. based on US EPA AP-42 Emission Factor Guidance Document, Section 3.1, Table 3.1-3 and maximum heat input rate of 1245.2 MMBtu/hr. [N.J.A.C. 7:27-22.16(a)]	Naphthalene: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Naphthalene: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Keep records of initial calculations. [N.J.A.C. 7:27-22.16(o)]	None.
15	Polynuclear aromatic hydrocarbons (PAHs) <= 0.0027 lb/hr. based on US EPA AP-42 Emission Factor Guidance Document, Section 3.1, Table 3.1-3 and maximum heat input rate of 1245.2 MMBtu/hr. [N.J.A.C. 7:27-22.16(a)]	Polynuclear aromatic hydrocarbons (PAHs): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Polynuclear aromatic hydrocarbons (PAHs): Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Keep records of initial calculations. [N.J.A.C. 7:27-22.16(o)]	None.
16	Propylene oxide <= 0.0361 lb/hr. based on US EPA AP-42 Emission Factor Guidance Document, Section 3.1, Table 3.1-3 and maximum heat input rate of 1245.2 MMBtu/hr. [N.J.A.C. 7:27-22.16(a)]	Propylene oxide: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Propylene oxide: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Keep records of initial calculations. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U99 Two Identical Combined Cycle Gas Turbines, Firing NG or ULSD, Equipped with Fogging + Steam Injection Systems**
Operating Scenario: **OS29 Gas Turbine No.1 firing ULSD., OS31 Gas Turbine No.2 firing ULSD.**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Opacity <= 20 % , exclusive of visible condensed water vapor, except for a period of not longer than 10 consecutive seconds. [N.J.A.C. 7:27- 3.5]	None.	None.	None.
2	TSP <= 5.3 lb/hr. [N.J.A.C. 7:27-22.16(a)]	TSP: Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs. See OS Summary for stack testing requirements. [N.J.A.C. 7:27-22.16(o)]	TSP: Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). See OS Summary for stack testing requirements. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See OS Summary for stack testing requirements. [N.J.A.C. 7:27-22.16(o)]
3	PM-10 (Total) <= 30.8 lb/hr. [N.J.A.C. 7:27-22.16(a)]	PM-10 (Total): Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs. See OS Summary for stack testing requirements. [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). See OS Summary for stack testing requirements. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See OS Summary for stack testing requirements. [N.J.A.C. 7:27-22.16(o)]
4	PM-2.5 (Total) <= 30.8 lb/hr based on the PM-10 emission factor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	VOC (Total) <= 4.31 lb/hr (Including Formaldehyde). [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. See OS Summary for stack testing requirements. [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). See OS Summary for stack testing requirements. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See OS Summary for stack testing requirements. [N.J.A.C. 7:27-22.16(o)]
6	VOC (Total) <= 2.4 ppmvd @ 15% O2. [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. See OS Summary for stack testing requirements. [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). See OS Summary for stack testing requirements. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See OS Summary for stack testing requirements. [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
7	CO <= 8.76 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. See OS Summary for stack testing requirements. [N.J.A.C. 7:27-22.16(o)]	CO: Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). See OS Summary for stack testing requirements. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See OS Summary for stack testing requirements. [N.J.A.C. 7:27-22.16(o)]
8	CO <= 3 ppmvd @ 15% O2. [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. See OS Summary for stack testing requirements. [N.J.A.C. 7:27-22.16(o)]	CO: Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). See OS Summary for stack testing requirements. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See OS Summary for stack testing requirements. [N.J.A.C. 7:27-22.16(o)]
9	CO <= 3 ppmvd @ 15% O2. [N.J.A.C. 7:27-22.16(a)]	CO: Monitored by continuous emission monitoring system continuously, based on a 3 hour rolling average based on a 1 hour block average. [N.J.A.C. 7:27-22.16(o)]	CO: Recordkeeping by strip chart or data acquisition (DAS) system continuously. [N.J.A.C. 7:27-22.16(o)]	Submit an Excess Emissions and Monitoring Systems Performance Report (EEMPR): On or before every April 30, July 30, October 30, and January 30 for the preceding quarter year (the quarter years begin on January 1, April 1, July 1, and October 1) electronically through the NJDEP online EEMPR web portal. [N.J.A.C. 7:27-22.16(o)]
10	CO <= 8.76 lb/hr. [N.J.A.C. 7:27-22.16(a)]	CO: Monitored by continuous emission monitoring system continuously, based on a 3 hour rolling average based on a 1 hour block average. [N.J.A.C. 7:27-22.16(o)]	CO: Recordkeeping by strip chart or data acquisition (DAS) system continuously. [N.J.A.C. 7:27-22.16(o)]	Submit an Excess Emissions and Monitoring Systems Performance Report (EEMPR): On or before every April 30, July 30, October 30, and January 30 for the preceding calendar quarter (the calendar quarters begin on January 1, April 1, July 1, and October 1) electronically through the NJDEP online EEMPR web portal. [N.J.A.C. 7:27-22.16(o)]
11	SO2 <= 1.9 lb/hr. [N.J.A.C. 7:27-22.16(a)]	SO2: Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs. See OS Summary for stack testing requirements. [N.J.A.C. 7:27-22.16(o)]	SO2: Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). See OS Summary for stack testing requirements. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See OS Summary for stack testing requirements. [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	NOx (Total) <= 42 ppmvd @ 15% O2. NOTE: This emission limit does not apply during startup, shutdown and fuel transfer events. [N.J.A.C. 7:27-22.16(a)]	NOx (Total): Monitored by continuous emission monitoring system continuously, based on a 3 hour rolling average based on a 1 hour block average. [N.J.A.C. 7:27-22.16(o)]	NOx (Total): Recordkeeping by strip chart or data acquisition (DAS) system continuously. [N.J.A.C. 7:27-22.16(o)]	Submit an Excess Emissions and Monitoring Systems Performance Report (EEMPR): On or before every April 30, July 30, October 30, and January 30 for the preceding calendar quarter (the calendar quarters begin on January 1, April 1, July 1, and October 1) electronically through the NJDEP online EEMPR web portal. [N.J.A.C. 7:27-22.16(o)]
13	NOx (Total) <= 201.57 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. See OS Summary for stack testing requirements. [N.J.A.C. 7:27-22.16(o)]	NOx (Total): Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). See OS Summary for stack testing requirements. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See OS Summary for stack testing requirements. [N.J.A.C. 7:27-22.16(o)]
14	NOx (Total) <= 201.57 lb/hr. [N.J.A.C. 7:27-22.16(a)]	NOx (Total): Monitored by continuous emission monitoring system continuously, based on a 3 hour rolling average based on a 1 hour block average. [N.J.A.C. 7:27-22.16(o)]	NOx (Total): Recordkeeping by strip chart or data acquisition (DAS) system continuously. [N.J.A.C. 7:27-22.16(o)]	Submit an Excess Emissions and Monitoring Systems Performance Report (EEMPR): On or before every April 30, July 30, October 30, and January 30 for the preceding calendar quarter (the calendar quarters begin on January 1, April 1, July 1, and October 1) electronically through the NJDEP online EEMPR web portal. [N.J.A.C. 7:27-22.16(o)]
15	Arsenic Emissions <= 0.014 lb/hr based on US EPA AP-42 Emission Factor Guidance Document, Section 3.1, Table 3.1-5 and maximum heat input rate of 1235 MMBtu/hr. [N.J.A.C. 7:27-22.16(a)]	Arsenic Emissions: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Arsenic Emissions: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Keep records of initial calculations. [N.J.A.C. 7:27-22.16(o)]	None.
16	Butadiene (1,3-) <= 0.02 lb/hr based on US EPA AP-42 Emission Factor Guidance Document, Section 3.1, Table 3.1-4 and maximum heat input rate of 1235 MMBtu/hr. [N.J.A.C. 7:27-22.16(a)]	Butadiene (1,3-): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Butadiene (1,3-): Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Keep records of initial calculations. [N.J.A.C. 7:27-22.16(o)]	None.
17	Benzene <= 0.069 lb/hr based on US EPA AP-42 Emission Factor Guidance Document, Section 3.1, Table 3.1-4 and maximum heat input rate of 1235 MMBtu/hr. [N.J.A.C. 7:27-22.16(a)]	Benzene: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Benzene: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Keep records of initial calculations. [N.J.A.C. 7:27-22.16(o)]	None.

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Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
18	Beryllium Emissions <= 0.0004 lb/hr based on US EPA AP-42 Emission Factor Guidance Document, Section 3.1, Table 3.1-5 and maximum heat input rate of 1235 MMBtu/hr. [N.J.A.C. 7:27-22.16(a)]	Beryllium Emissions: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Beryllium Emissions: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Keep records of initial calculations. [N.J.A.C. 7:27-22.16(o)]	None.
19	Cadmium Emissions <= 0.006 lb/hr based on US EPA AP-42 Emission Factor Guidance Document, Section 3.1, Table 3.1-5 and maximum heat input rate of 1235 MMBtu/hr. [N.J.A.C. 7:27-22.16(a)]	Cadmium Emissions: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Cadmium Emissions: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Keep records of initial calculations. [N.J.A.C. 7:27-22.16(o)]	None.
20	Formaldehyde <= 0.346 lb/hr based on US EPA AP-42 Emission Factor Guidance Document, Section 3.1, Table 3.1-4 and maximum heat input rate of 1235 MMBtu/hr. [N.J.A.C. 7:27-22.16(a)]	Formaldehyde: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Formaldehyde: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Keep records of initial calculations. [N.J.A.C. 7:27-22.16(o)]	None.
21	Manganese Emissions <= 0.092 lb/hr based on Emission Factors for metals from California Air Resources Board and maximum heat input rate of 1235 MMBtu/hr. [N.J.A.C. 7:27-22.16(a)]	Manganese Emissions: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Manganese Emissions: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Keep records of initial calculations. [N.J.A.C. 7:27-22.16(o)]	None.
22	Naphthalene <= 0.043 lb/hr based on US EPA AP-42 Emission Factor Guidance Document, Section 3.1, Table 3.1-4 and maximum heat input rate of 1235 MMBtu/hr. [N.J.A.C. 7:27-22.16(a)]	Naphthalene: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Naphthalene: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Keep records of initial calculations. [N.J.A.C. 7:27-22.16(o)]	None.
23	Nickel Emissions <= 0.006 lb/hr based on US EPA AP-42 Emission Factor Guidance Document, Section 3.1, Table 3.1-5 and maximum heat input rate of 1235 MMBtu/hr. [N.J.A.C. 7:27-22.16(a)]	Nickel Emissions: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Nickel Emissions: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Keep records of initial calculations. [N.J.A.C. 7:27-22.16(o)]	None.
24	Pb <= 0.017 lb/hr based on US EPA AP-42 Emission Factor Guidance Document, Section 3.1, Table 3.1-5 and maximum heat input rate of 1235 MMBtu/hr. [N.J.A.C. 7:27-22.16(a)]	Pb: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Pb: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Keep records of initial calculations. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
25	Polynuclear aromatic hydrocarbons (PAHs) <= 0.05 lb/hr based on US EPA AP-42 Emission Factor Guidance Document, Section 3.1, Table 3.1-4 and maximum heat input rate of 1235 MMBtu/hr. [N.J.A.C. 7:27-22.16(a)]	Polynuclear aromatic hydrocarbons (PAHs): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Polynuclear aromatic hydrocarbons (PAHs): Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Keep records of initial calculations. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U99 Two Identical Combined Cycle Gas Turbines, Firing NG or ULSD, Equipped with Fogging + Steam Injection Systems**
Operating Scenario: **OS33 Gas Turbine No.1 start-up firing ULSD., OS35 Gas Turbine No.2 start-up firing ULSD.**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Opacity <= 20 % , exclusive of visible condensed water vapor, except for a period of not longer than 10 consecutive seconds. [N.J.A.C. 7:27- 3.5]	None.	None.	None.
2	Start-up Period <= 4 hours for Cold Start-up. Start-up is the period during which the turbine begins operating until it reaches steady state emissions compliance. Start-up is considered "Cold Start-up" when the turbine has been shut down for more than or equal to 60 hours prior to start up. [N.J.A.C. 7:27-22.16(a)]	None.	Start-up Period: Recordkeeping by data acquisition system (DAS) / electronic data storage upon occurrence of event. Keep records of the dates and duration of each cold, warm or hot start-up. [N.J.A.C. 7:27-22.16(o)]	None.
3	Start-up Period <= 3 hours for Warm Start up. Start-up is the period during which the turbine begins operating until it reaches steady state emissions compliance. Start-up is considered "Warm Start-up" when the turbine has been shut down for more than 8 hours and less than 60 hours prior to start up. [N.J.A.C. 7:27-22.16(a)]	None.	Start-up Period: Recordkeeping by data acquisition system (DAS) / electronic data storage upon occurrence of event. Keep records of the dates and duration of each cold, warm or hot start-up. [N.J.A.C. 7:27-22.16(o)]	None.
4	Start-up Period <= 1.5 hours for Hot Start-up. Start-up is the period during which the turbine begins operating until it reaches steady state emissions compliance. Start-up is considered "Hot Start-up" when the turbine has been shut down for less than or equal to 8 hours prior to start up. [N.J.A.C. 7:27-22.16(a)]	None.	Start-up Period: Recordkeeping by data acquisition system (DAS) / electronic data storage upon occurrence of event. Keep records of the dates and duration of each cold, warm or hot start-up. [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	VOC Emissions <= 64.33 lb/hr. [N.J.A.C. 7:27-22.16(a)]	Other: Calculate the total VOC emissions based upon the actual number of cold, warm and hot starts in any calendar year (lb/yr). (This will be used in calculating the total annual VOC emissions. See U99 OSO Ref.#15).[N.J.A.C. 7:27-22.16(o)].	Other: Record the total VOC emissions based upon the actual number of cold, warm and hot starts in any calendar year (lb/yr).[N.J.A.C. 7:27-22.16(o)].	None.
6	PM-10 (Total) <= 0.0248 lb/MMBTU. (Emission factor used to calculate emissions during start-up). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	PM-2.5 (Total) <= 0.0248 lb/MMBTU. (Emission factor used to calculate emissions during start-up). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	TSP <= 0.0043 lb/MMBTU. (Emission factor used to calculate emissions during start-up). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	SO2 <= 0.0015 lb/MMBTU. (Emission factor used to calculate emissions during start-up). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
10	Arsenic Emissions <= 0.014 lb/hr based on US EPA AP-42 Emission Factor Guidance Document, Section 3.1, Table 3.1-5 and maximum heat input rate of 1235 MMBtu/hr. [N.J.A.C. 7:27-22.16(a)]	Arsenic Emissions: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Arsenic Emissions: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Keep records of initial calculations. [N.J.A.C. 7:27-22.16(o)]	None.
11	Benzene <= 0.069 lb/hr based on US EPA AP-42 Emission Factor Guidance Document, Section 3.1, Table 3.1-4 and maximum heat input rate of 1235 MMBtu/hr. [N.J.A.C. 7:27-22.16(a)]	Benzene: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Benzene: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Keep records of initial calculations. [N.J.A.C. 7:27-22.16(o)]	None.
12	Beryllium Emissions <= 0.0004 lb/hr based on US EPA AP-42 Emission Factor Guidance Document, Section 3.1, Table 3.1-5 and maximum heat input rate of 1235 MMBtu/hr. [N.J.A.C. 7:27-22.16(a)]	Beryllium Emissions: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Beryllium Emissions: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Keep records of initial calculations. [N.J.A.C. 7:27-22.16(o)]	None.
13	Butadiene (1,3-) <= 0.02 lb/hr based on US EPA AP-42 Emission Factor Guidance Document, Section 3.1, Table 3.1-4 and maximum heat input rate of 1235 MMBtu/hr. [N.J.A.C. 7:27-22.16(a)]	Butadiene (1,3-): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Butadiene (1,3-): Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Keep records of initial calculations. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
14	Cadmium Emissions <= 0.006 lb/hr based on US EPA AP-42 Emission Factor Guidance Document, Section 3.1, Table 3.1-5 and maximum heat input rate of 1235 MMBtu/hr. [N.J.A.C. 7:27-22.16(a)]	Cadmium Emissions: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Cadmium Emissions: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Keep records of initial calculations. [N.J.A.C. 7:27-22.16(o)]	None.
15	Formaldehyde <= 0.346 lb/hr based on US EPA AP-42 Emission Factor Guidance Document, Section 3.1, Table 3.1-4 and maximum heat input rate of 1235 MMBtu/hr. [N.J.A.C. 7:27-22.16(a)]	Formaldehyde: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Formaldehyde: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Keep records of initial calculations. [N.J.A.C. 7:27-22.16(o)]	None.
16	Manganese Emissions <= 0.092 lb/hr based on Emission Factors for metals from California Air Resources Board and maximum heat input rate of 1235 MMBtu/hr. [N.J.A.C. 7:27-22.16(a)]	Manganese Emissions: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Manganese Emissions: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Keep records of initial calculations. [N.J.A.C. 7:27-22.16(o)]	None.
17	Naphthalene <= 0.043 lb/hr based on US EPA AP-42 Emission Factor Guidance Document, Section 3.1, Table 3.1-4 and maximum heat input rate of 1235 MMBtu/hr. [N.J.A.C. 7:27-22.16(a)]	Naphthalene: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Naphthalene: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Keep records of initial calculations. [N.J.A.C. 7:27-22.16(o)]	None.
18	Nickel Emissions <= 0.006 lb/hr based on US EPA AP-42 Emission Factor Guidance Document, Section 3.1, Table 3.1-5 and maximum heat input rate of 1235 MMBtu/hr. [N.J.A.C. 7:27-22.16(a)]	Nickel Emissions: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Nickel Emissions: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Keep records of initial calculations. [N.J.A.C. 7:27-22.16(o)]	None.
19	Pb <= 0.017 lb/hr based on US EPA AP-42 Emission Factor Guidance Document, Section 3.1, Table 3.1-5 and maximum heat input rate of 1235 MMBtu/hr. [N.J.A.C. 7:27-22.16(a)]	Pb: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Pb: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Keep records of initial calculations. [N.J.A.C. 7:27-22.16(o)]	None.
20	Polynuclear aromatic hydrocarbons (PAHs) <= 0.05 lb/hr based on US EPA AP-42 Emission Factor Guidance Document, Section 3.1, Table 3.1-4 and maximum heat input rate of 1235 MMBtu/hr. [N.J.A.C. 7:27-22.16(a)]	Polynuclear aromatic hydrocarbons (PAHs): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Polynuclear aromatic hydrocarbons (PAHs): Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Keep records of initial calculations. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U99 Two Identical Combined Cycle Gas Turbines, Firing NG or ULSD, Equipped with Fogging + Steam Injection Systems**
Operating Scenario: **OS34 Gas Turbine No.1 shut-down firing ULSD., OS36 Gas Turbine No.2 shut-down firing ULSD.**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Opacity <= 20 % , exclusive of visible condensed water vapor, except for a period of not longer than 10 consecutive seconds. [N.J.A.C. 7:27- 3.5]	None.	None.	None.
2	Shutdown is the period during which the turbine base load drops below 60% with the intention of shutting down the unit, to final cessation of operation. Shutdown duration <= 1 hr. (11 shutdowns / yr). [N.J.A.C. 7:27-22.16(a)]	None.	Recordkeeping by data acquisition system (DAS) / electronic data storage upon occurrence of event. Keep records of the dates and duration of each shutdown. [N.J.A.C. 7:27-22.16(o)]	None.
3	VOC Emissions <= 64.33 lb/hr. [N.J.A.C. 7:27-22.16(a)]	Other: Calculate the total VOC emissions based upon the actual number of shutdowns in any calendar year (lb/yr). (This will be used in calculating the total annual VOC emissions. See U99 OSO Ref.#15).[N.J.A.C. 7:27-22.16(o)].	Other: Record the total VOC emissions based upon the actual number of shutdowns in any calendar year (lb/yr). (This will be used in calculating the total annual VOC emissions. See U99 OSO Ref.#18).[N.J.A.C. 7:27-22.16(o)].	None.
4	PM-10 (Total) <= 0.0248 lb/MMBTU. (Emission factor used to calculate emissions during shutdown). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	PM-2.5 (Total) <= 0.0248 lb/MMBTU. (Emission factor used to calculate emissions during shutdown). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	TSP <= 0.0043 lb/MMBTU. (Emission factor used to calculate emissions during shutdown). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	SO2 <= 0.0015 lb/MMBTU. (Emission factor used to calculate emissions during shutdown). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Arsenic Emissions <= 0.014 lb/hr based on US EPA AP-42 Emission Factor Guidance Document, Section 3.1, Table 3.1-5 and maximum heat input rate of 1235 MMBtu/hr. [N.J.A.C. 7:27-22.16(a)]	Arsenic Emissions: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Arsenic Emissions: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Keep records of initial calculations. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
9	Benzene <= 0.069 lb/hr based on US EPA AP-42 Emission Factor Guidance Document, Section 3.1, Table 3.1-4 and maximum heat input rate of 1235 MMBtu/hr. [N.J.A.C. 7:27-22.16(a)]	Benzene: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Benzene: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Keep records of initial calculations. [N.J.A.C. 7:27-22.16(o)]	None.
10	Beryllium Emissions <= 0.0004 lb/hr based on US EPA AP-42 Emission Factor Guidance Document, Section 3.1, Table 3.1-5 and maximum heat input rate of 1235 MMBtu/hr. [N.J.A.C. 7:27-22.16(a)]	Beryllium Emissions: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Beryllium Emissions: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Keep records of initial calculations. [N.J.A.C. 7:27-22.16(o)]	None.
11	Butadiene (1,3-) <= 0.02 lb/hr based on US EPA AP-42 Emission Factor Guidance Document, Section 3.1, Table 3.1-4 and maximum heat input rate of 1235 MMBtu/hr. [N.J.A.C. 7:27-22.16(a)]	Butadiene (1,3-): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Butadiene (1,3-): Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Keep records of initial calculations. [N.J.A.C. 7:27-22.16(o)]	None.
12	Cadmium Emissions <= 0.006 lb/hr based on US EPA AP-42 Emission Factor Guidance Document, Section 3.1, Table 3.1-5 and maximum heat input rate of 1235 MMBtu/hr. [N.J.A.C. 7:27-22.16(a)]	Cadmium Emissions: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Cadmium Emissions: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Keep records of initial calculations. [N.J.A.C. 7:27-22.16(o)]	None.
13	Formaldehyde <= 0.346 lb/hr based on US EPA AP-42 Emission Factor Guidance Document, Section 3.1, Table 3.1-4 and maximum heat input rate of 1235 MMBtu/hr. [N.J.A.C. 7:27-22.16(a)]	Formaldehyde: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Formaldehyde: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Keep records of initial calculations. [N.J.A.C. 7:27-22.16(o)]	None.
14	Manganese Emissions <= 0.092 lb/hr based on Emission Factors for metals from California Air Resources Board and maximum heat input rate of 1235 MMBtu/hr. [N.J.A.C. 7:27-22.16(a)]	Manganese Emissions: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Manganese Emissions: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Keep records of initial calculations. [N.J.A.C. 7:27-22.16(o)]	None.
15	Naphthalene <= 0.043 lb/hr based on US EPA AP-42 Emission Factor Guidance Document, Section 3.1, Table 3.1-4 and maximum heat input rate of 1235 MMBtu/hr. [N.J.A.C. 7:27-22.16(a)]	Naphthalene: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Naphthalene: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Keep records of initial calculations. [N.J.A.C. 7:27-22.16(o)]	None.
16	Nickel Emissions <= 0.006 lb/hr based on US EPA AP-42 Emission Factor Guidance Document, Section 3.1, Table 3.1-5 and maximum heat input rate of 1235 MMBtu/hr. [N.J.A.C. 7:27-22.16(a)]	Nickel Emissions: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Nickel Emissions: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Keep records of initial calculations. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
17	Pb <= 0.017 lb/hr based on US EPA AP-42 Emission Factor Guidance Document, Section 3.1, Table 3.1-5 and maximum heat input rate of 1235 MMBtu/hr. [N.J.A.C. 7:27-22.16(a)]	Pb: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Pb: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Keep records of initial calculations. [N.J.A.C. 7:27-22.16(o)]	None.
18	Polynuclear aromatic hydrocarbons (PAHs) <= 0.05 lb/hr based on US EPA AP-42 Emission Factor Guidance Document, Section 3.1, Table 3.1-4 and maximum heat input rate of 1235 MMBtu/hr. [N.J.A.C. 7:27-22.16(a)]	Polynuclear aromatic hydrocarbons (PAHs): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Polynuclear aromatic hydrocarbons (PAHs): Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Keep records of initial calculations. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U99 Two Identical Combined Cycle Gas Turbines, Firing NG or ULSD, Equipped with Fogging + Steam Injection Systems**

Operating Scenario: **OS37 Gas Turbine No.1 Fuel Transfer, OS38 Gas Turbine No.2 Fuel Transfer**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Fuel Transfer Period <= 45 minutes. Fuel transfer period is defined as the period of time beginning with the lowering of load in the combustion turbine to switch from liquid to gaseous fuel or vice versa. [N.J.A.C. 7:27-22.16(a)]	Fuel Transfer Period: Monitored by hour/time monitor upon occurrence of event. [N.J.A.C. 7:27-22.16(o)]	Fuel Transfer Period: 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.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U101 Storage Tank---Sulfuric Acid**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Tank E323 contents shall be limited to sulfuric acid. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by invoices / bills-of-lading showing material delivered, per delivery.[N.J.A.C. 7:27-22.16(o)].	Other: Recordkeeping by maintaining invoices / bills-of-lading showing material delivered, per delivery.[N.J.A.C. 7:27-22.16(o)].	None.
2	Total Throughput: <= 780,000 gal/yr. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by invoices / bills-of-lading and/or tank level gauging showing quantity of material delivered, per delivery.[N.J.A.C. 7:27-22.16(o)].	Other: Recordkeeping by maintaining invoices / bills-of-lading and/or tank level gauging showing quantity of material delivered, and year to date total.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U102 Storage Tank---Sodium Hydroxide**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Sodium hydroxide <= 0.13 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
2	Tank E324 contents limited to sodium hydroxide. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by invoices/bills-of-lading showing material delivered, per delivery.[N.J.A.C. 7:27-22.16(o)].	Other: Recordkeeping by maintaining invoices/bills-of-lading showing material delivered, per delivery.[N.J.A.C. 7:27-22.16(o)].	None.
3	Total Throughput: <= 780,000 gal/yr. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by invoices / bills-of-lading and/or tank level gauging showing quantity of material delivered, per delivery.[N.J.A.C. 7:27-22.16(o)].	Other: Recordkeeping by maintaining invoices / bills-of-lading and/or tank level gauging showing quantity of material delivered, and year to date total.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U102 Storage Tank---Sodium Hydroxide**
Operating Scenario: **OS1 Chemical Storage**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Sodium hydroxide <= 0.03 lb/hr. [N.J.A.C. 7:27-22.16(a)]	Sodium hydroxide: Monitored by calculations once initially Keep records of initial calculations. [N.J.A.C. 7:27-22.16(o)]	Sodium hydroxide: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U103 1.52 MMBtu/hr Cogen Diesel Fire Pump**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	The following Federal Regulations apply: 40 CFR 63 Subpart A and 40 CFR 63 Subpart ZZZZ [40 CFR 63]			
2	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.
3	Particulate Emissions <= 0.91 lb/hr. Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
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 showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	None.
5	Maximum Gross Heat Input <= 1.52 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records of engine rated capacity.[N.J.A.C. 7:27-22.16(o)].	None.
6	VOC (Total) <= 0.028 tons/yr. Annual emission limit based on 100 hours per year of testing and maintenance. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	NOx (Total) <= 0.334 tons/yr. Annual emission limit based on 100 hours per year of testing and maintenance. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	CO <= 0.072 tons/yr. Annual emission limit based on 100 hours per year of testing and maintenance. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	SO2 <= 0.016 tons/yr. Annual emission limit based on 100 hours per year of testing and maintenance. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
10	TSP <= 0.024 tons/yr. Annual emission limit based on 100 hours per year of testing and maintenance. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
11	PM-10 (Total) <= 0.024 tons/yr. Annual emission limit based on 100 hours per year of testing and maintenance. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
12	PM-2.5 (Total) <= 0.024 tons/yr. Annual emission limit based on 100 hours per year of testing and maintenance. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
13	This emergency generator shall not be used: 1. For normal testing and maintenance on days when the Department forecasts air quality anywhere in New Jersey to be "unhealthy for sensitive groups," "unhealthy," or "very unhealthy" as defined in the EPA's Air Quality Index at http://airnow.gov/, as supplemented or amended and incorporated herein by reference, unless required in writing by a Federal or State law or regulation. Procedures for determining the air quality forecasts for New Jersey are available at the Department's air quality permitting web site at https://dep.nj.gov/boss/air-quality-forecast-fc and 2. As a source of energy or power after the primary energy or power source has become operable again after emergency or after power disruption resulted from construction, repair, or maintenance activity. Operation of the emergency generator during construction, repair, or maintenance activity shall be limited to no more than 30 days of operation per calendar year. If the primary energy or power source is under the control of the owner or operator of the emergency generator, the owner or operator shall make a reasonable, timely effort to repair the primary energy or power source. [N.J.A.C. 7:27-19.2(d)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
14	FOR OPERATING PERMITS ONLY Each emergency generator shall be located at the facility and produce mechanical or thermal energy, or electrical power exclusively for use at the facility. This emergency generator shall be operated only: 1. During the performance of normal testing and maintenance procedures, including other fire protection equipment, as recommended in writing by the fire pump or fire protection system 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 when the power disruption resulted from construction, repair, or maintenance activity (CRM) at the facility. Operation of the emergency generator under construction, repair, or maintenance activity is limited to 30 days in any calendar year; 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, or 4. To provide power to pump water for fire suppression or protection, or in case of flood, even if there is no power outage and primary source of mechanical energy has not failed. [N.J.A.C. 7:27-22.16(a)] and [N.J.A.C. 7:27-19.1]	Monitored by hour/time monitor continuously. . In addition, the owner or operator shall monitor, once per month, the total operating time from the generator's hour meter; hours of operation for emergency use; hours of operation for testing and maintenance; hours of operation during power disruption resulted from construction, repair and maintenance activity (CRM) at the facility; and the total fuel usage calculated by the following: Fuel Usage (Gallons per month) = (Hours of operation per month) x (Maximum emergency generator fuel usage rate in gallons per hour). Hours of operation for emergency use (per month) = (The monthly total operating time from the generator's hour meter) - (The monthly total operating time for testing and maintenance) – (The monthly total operating time due to power disruption resulted from construction, repair, or maintenance activity not counting operation during the performance of normal testing and maintenance procedures). [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. Record the following information: 1. Once per month, the total operating time from the generator's hour meter, the fuel usage (gallons per month), and the monthly hours of operation for emergency use and during power disruption from CRM. Document if the emergency use was due to internal or external loss of primary source of energy, or due to a fire or flood. If internal loss at the facility, document the emergency and/or CRM that occurred, the damages to the primary source of energy and the amount of time needed for repairs. 2. For each time the emergency generator is specifically operated for testing or maintenance: i. The reason for its operation; ii. The date(s) of operation and the start up and shut down time; iii. The total operating time for testing or maintenance based on the generator's hour meter; and iv. The name of the operator; and 3. If a voltage reduction is the reason for the use of the emergency generator, a copy of the voltage reduction notification from PJM or other documentation of the voltage reduction. The owner or operator of an emergency generator shall maintain the above records for a period no less than 5 years after the record was made and shall make the records readily available to the Department or the EPA upon request. [N.J.A.C. 7:27-22.16(o)] and [N.J.A.C. 7:27-19.11]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
15	The Emergency Generator may be operated at other locations (within the State of New Jersey) only in the event of an emergency, as defined at N.J.A.C. 7:27-19.1. [N.J.A.C. 7:27-22.16(a)]	Monitored by hour/time monitor upon occurrence of event. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. 1. For each time the emergency generator is operated at a location other than the facility for which it is originally permitted in the event of an emergency, the Permittee of the emergency generator shall record the following: i) Document the location (name of facility with address) where the emergency generator is operated; ii) Document the emergency that occurred and describe whether the emergency was due to internal or external loss of primary source of energy at the location; iii) If emergency is due to internal loss at the location, document the damages to the primary source of energy and the amount of time needed for repairs; iv) Document the date(s) of operation and the start up and shut down time on each date; v) Document the total operating time at the location based on the generator's hour meter and the total amount of fuel and fuel type used for the duration of the emergency; vi)The name and contact information of the operator of the emergency generator at the location. 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. The Permittee of the emergency generator shall have the above records on site within 30 days of the occurrence of the emergency event, maintain the record for a period of no less than 5 years after the record was made, and shall make the records readily available to the Department or the EPA upon request. [N.J.A.C. 7:27-22.16(o)]	Submit notification: Upon occurrence of event the Permittee of the emergency generator must submit the Recordkeeping Requirements to the Regional Enforcement Office within 30 days of the occurrence of the emergency event. [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
16	Hours of Operation <= 100 hr/yr for testing and maintenance. The limit on the allowable hours for testing and maintenance in accordance with the documentation from manufacturer, the vendor, or the insurance company associated with the engine. [N.J.A.C. 7:27-22.16(a)]	Hours of Operation: Monitored by hour/time monitor continuously. [N.J.A.C. 7:27-22.16(o)]	Hours of Operation: Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The owner or operator shall maintain on site and record the following information: For each time the emergency generator is specifically operated for testing or maintenance: i. The reason for its operation; ii. The date(s) of operation and the start up and shut down time; iii. The total operating time for testing or maintenance based on the generator's hour meter; and iv. The name of the operator. [N.J.A.C. 7:27-19.11]	None.
17	The owner or operator of an emergency or black start CI RICE shall change oil and filter every 500 hours of operation or within 1 year + 30 days of the previous change, whichever comes first. [40 CFR 63 Subpart ZZZZ, Table 2d, Item 4a] and [40 CFR 63.6603(a)]. The owner or operator may utilize an oil analysis program specified at 40 CFR 63.6625(i), to extend the oil change requirement. [40 CFR 63.6625(i)]	None.	Other: Keep records of maintenance conducted on the stationary RICE. [40 CFR 63.6655(e)]. Keep records as specified at[40 CFR 63.6660].	None.
18	The owner or operator shall inspect air cleaner every 1,000 hours of operation or within 1 year + 30 days of the previous inspection, whichever comes first; and inspect all hoses and belts every 500 hours of operation or within 1 year + 30 days of the previous inspection, whichever comes first, and replace as necessary. [40 CFR 63 Subpart ZZZZ, Table 2d, Items 4b and 4c] and [40 CFR 63.6603(a)]	None.	Other: Keep records of maintenance conducted on the stationary RICE. [40 CFR 63.6655(e)]. Keep recoirds as specified at[40 CFR 63.6660].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
19	Use diesel fuel that meets the requirements in 40 CFR 80.510(b) for nonroad diesel fuel. [40 CFR 63.6604(b)]	Other: Monitor quality of fuel purchased.[N.J.A.C. 7:27-22.16(o)].	Other: Keep records of fuel purchased. [N.J.A.C. 7:27-22.16(o)]. Keep records as specified at[40 CFR 63.6660].	None.
20	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.
21	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.
22	The owner or operator of an existing stationary emergency RICE must operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or 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)]	Other: Monitored according to the manufacturer's emission-related written instructions or the maintenance plan developed by the owner or operator. [40 CFR 63.6625(e)].	Other: The owner or operator must keep records of all maintenance conducted. [40 CFR 63.6655(e)]. Keep records as specified at[40 CFR 63.6660].	Demonstrate compliance: Other : By, operating and maintaining the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions, or, following an inhouse-developed 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 Subpart ZZZZ, Table 6, Item 9], [40 CFR 63.6640(a)] and [40 CFR 63.6625(e)]. Report each instance in which you did not meet an operating limitation in Table 2d. These deviations must be reported according to the requirements in 40 CFR 63.6650. [40 CFR 63.6640(b)]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
23	There is no time limit on the use of emergency stationary RICE in emergency situations. [40 CFR 63.6640(f)(1)]. Emergency stationary RICE may be operated for maintenance checks and readiness testing provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency RICE beyond 100 hours per calendar year. [40 CFR 63.6640(f)(2)(i)]	Other: Monitored by a non-resettable hour meter.[40 CFR 63.6625(f)].	Other: The owner or operator must document the number of hours spent in emergency operation, and the number of hours spend in maintenance / readiness testing. [N.J.A.C. 7:27-22.16(o)]. Keep records as specified at[40 CFR 63.6660].	None.
24	40 CFR 63 Subpart ZZZZ, Table 8, shows which parts of the General Provisions in 40 CFR 63.1 through 63.15 apply to you. [40 CFR 63.6665]	None.	None.	Submit a report: As per the approved schedule. You must report each instance in which you did not meet the requirements in 40 CFR 63 Subpart ZZZZ, Table 8 that apply to you. [40 CFR 63.6640(e)]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U103 1.52 MMBtu/hr Cogen Diesel Fire Pump**
Operating Scenario: **OS1 Diesel Fire Pump**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	CO <= 1.44 lb/hr based upon manufacturer's emission factor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
2	NOx (Total) <= 6.6 lb/hr based upon manufacturer's emission factor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	SO2 <= 0.32 lb/hr based upon manufacturer's emission factor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	VOC (Total) <= 0.56 lb/hr based upon manufacturer's emission factor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	TSP <= 0.48 lb/hr based upon manufacturer's emission factor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	PM-10 (Total) <= 0.48 lb/hr based upon manufacturer's emission factor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	PM-2.5 (Total) <= 0.48 lb/hr based upon manufacturer's emission factor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

EAGLE POINT POWER GENERATION LLC (56220)
BOP230002

New Jersey Department of Environmental Protection
Facility Profile (General)

Facility Name (AIMS): Eagle Point Power Generation LLC

Facility ID (AIMS): 56220

Street Address: 1250 CROWN PT RD
WESTVILLE, NJ 08093-1702

Mailing Address: C/O ROCKLAND POWER PARTNERS
24 WATERWAY AVE
SUITE 400
THE WOODLANDS, TX 77380

State Plane Coordinates:

X-Coordinate:	488
Y-Coordinate:	4,413
Units:	UTM Zone 18N - Meters
Datum:	Unknown
Source Org.:	Other/Unknown
Source Type:	Other/Unknown

County: Gloucester

Location Description: Intersection of US130 and I-295 South

Industry:

Primary SIC:	
Secondary SIC:	
NAICS:	221112

New Jersey Department of Environmental Protection
Facility Profile (General)

Contact Type: Air Permit Information Contact

Organization: Eagle Point Power Generation LLC
Org. Type: LLC
Name: Vito Genna
NJ EIN:
Title: Plant Manager
Phone: (856) 202-7210 x
Fax: ( ) - x
Other: (856) 533-7386 x
Type: Mobile
Email: vgenna@eaglepointpower.com
Mailing Address: 1250 Crown Point Rd
Westville, NJ 08093

Contact Type: Consultant

Organization: Civil & Environmental Consultants, Inc.
Org. Type: Corporation
Name: Carla Adduci
NJ EIN:
Title: Principal
Phone: (215) 595-3202 x
Fax: ( ) - x
Other: (407) 913-9547 x
Type: Mobile
Email: cadduci@cecinc.com
Mailing Address: 370 East Maple Ave
Suite 304
Langhorne, PA 19047

Contact Type: Emission Statements

Organization: Eagle Point Power Generation LLC
Org. Type: LLC
Name: Brandee Blasi
NJ EIN:
Title: Compliance Manager
Phone: (856) 202-7200 x0204
Fax: ( ) - x
Other: ( ) - x
Type:
Email: bblasi@eaglepointpower.com
Mailing Address: 1250 Crown Point Rd
Westville, NJ 08093

EAGLE POINT POWER GENERATION LLC (56220)
BOP230002

New Jersey Department of Environmental Protection
Facility Profile (General)

Contact Type: Environmental Officer

Organization: Rockland Capital
Org. Type: Corporation
Name: Mike Tulk
NJ EIN:
Title: Vice President - Asset Manager
Phone: ( ) - x
Fax: (281) 298-8733 x
Other: (727) 251-2709 x
Type: Mobile
Email: mike.tulk@rocklandcapital.com
Mailing Address: 24 Waterway Ave
Suite 400
The Woodlands, TX 77380

Contact Type: Fees/Billing Contact

Organization: Eagle Point Power Generation LLC
Org. Type: LLC
Name: Vito Genna
NJ EIN:
Title: Plant Manager
Phone: (856) 202-7210 x
Fax: ( ) - x
Other: (856) 533-7386 x
Type: Mobile
Email: vgenna@eaglepointpower.com
Mailing Address: 1250 Crown Point Rd
Westville, NJ 08093

Contact Type: General Contact

Organization: Eagle Point Power Generation LLC
Org. Type: LLC
Name: Brandee Blasi
NJ EIN:
Title: Compliance Manager
Phone: (856) 202-7200 x0204
Fax: ( ) - x
Other: ( ) - x
Type:
Email: bblasi@eaglepointpower.com
Mailing Address: 1250 Crown Point Rd
Westville, NJ 08093

EAGLE POINT POWER GENERATION LLC (56220)
BOP230002

New Jersey Department of Environmental Protection
Facility Profile (General)

Contact Type: Operator

Organization: Eagle Point Power Generation LLC
Org. Type: LLC
Name: Eagle Point Power Generation LLC
NJ EIN: 59377657500
Title: Operator
Phone: ( ) - x
Fax: ( ) - x
Other: ( ) - x
Type:
Email:
Mailing Address: 24 Waterway Ave
Suite 400
The Woodlands, TX 77380

Contact Type: Owner (Current Primary)

Organization: Eagle Point Power Generation LLC
Org. Type: LLC
Name: Eagle Point Power Generation LLC
NJ EIN: 59377657500
Title: Operator
Phone: ( ) - x
Fax: ( ) - x
Other: ( ) - x
Type:
Email:
Mailing Address: 24 Waterway Ave
Suite 400
The Woodlands, TX 77380

Contact Type: Responsible Official

Organization: Eagle Point Power Generation LLC
Org. Type: LLC
Name: Vito Genna
NJ EIN:
Title: Plant Manager
Phone: (856) 202-7210 x
Fax: ( ) - x
Other: (856) 533-7386 x
Type: Mobile
Email: vgenna@eaglepointpower.com
Mailing Address: 1250 Crown Point Rd
Westville, NJ 08093

EAGLE POINT POWER GENERATION LLC (56220)
BOP230002

Date: 5/12/2025

New Jersey Department of Environmental Protection
Insignificant Source Emissions

IS NJID	Source/Group Description	Equipment Type	Location Description	Estimate of Emissions (tpy)								
				VOC (Total)	NOx	CO	SO	TSP	PM-10	Pb	HAPS (Total)	Other (Total)
IS3	Cogen ST3 Cooling Tower	Other Equipment	COGEN					18.800	18.800			
IS4	ST4 Cooling Tower	Other Equipment	COGEN					1.160	0.940			
IS5	413,000 gal Diesel Storage Tank	Storage Vessel	Outside	0.040								
IS6	Four portable < 1 MMBTU/hr natural gas fired heaters	Process Heater		0.090	1.720	1.440	0.010	0.130	0.130			
Total				0.130	1.720	1.440	0.010	20.090	19.870	0.000	0.00000000	0.000

EAGLE POINT POWER GENERATION LLC (56220) Date: 5/12/2025

BOP230002

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
E319	GT1	Gas Turbine Generator #1	Combustion Turbine		12/10/1991	No	1/6/2000	
E321	GT2	Gas Turbine Generator #2	Combustion Turbine		12/10/1991	No	1/6/2000	
E323	ST-2	Acid Tank	Storage Vessel		9/1/1990	No	3/23/2012	
E324	ST-3	Caustic Tank	Storage Vessel		10/27/2020	No		
E325	DL3	Cogen Diesel Fire Pump	Stationary Reciprocating Engine		10/3/1989	No		

56220 EAGLE POINT POWER GENERATION LLC BOP230002 E319 (Combustion Turbine)
Print Date: 5/12/2025

Make:	
Manufacturer:	GENERAL ELECTRIC
Model:	Frame 7EA
Type of Turbine:	
Maximum Rated Gross Heat Input (MMBtu/hr):	1245.2
Type of Cycle:	Combined
Industrial Application:	Power Generation
Power Output:	
Units:	Megawatts
Is the combustion turbine using?	
A Dry Low NOx Combustor	Yes
Steam Injection	Yes
Steam to Fuel Ratio	
Water Injection	
Water to Fuel Ratio	
Other	Catalytic Oxidizer
Description:	
Is the turbine Equipped with a Duct Burner?	No
Have you attached a diagram showing the location and/or configuration of this equipment?	No
Have you attached any manufacturer's data or specifications which may aid in the review of this application?	No
Comments:	Max heat input (HI) @ -7 deg F. This max HI is for NG (not ULSD). The max HI is impacted by ambient temps and the -7 F max HI cannot be achieved at higher temps.

56220 EAGLE POINT POWER GENERATION LLC BOP230002 E321 (Combustion Turbine)
Print Date: 5/12/2025

Make:	
Manufacturer:	GENERAL ELECTRIC
Model:	Frame 7EA
Type of Turbine:	
Maximum Rated Gross Heat Input (MMBtu/hr):	1245.2
Type of Cycle:	Combined
Industrial Application:	Power Generation
Power Output:	
Units:	Megawatts
Is the combustion turbine using?	
A Dry Low NOx Combustor	Yes
Steam Injection	Yes
Steam to Fuel Ratio	
Water Injection	
Water to Fuel Ratio	
Other	Catalytic Oxidizer
Description:	
Is the turbine Equipped with a Duct Burner?	No
Have you attached a diagram showing the location and/or configuration of this equipment?	No
Have you attached any manufacturer's data or specifications which may aid in the review of this application?	No
Comments:	Max heat input (HI) @ -7 deg F. This max HI is for NG (not ULSD). The max HI is impacted by ambient temps and the -7 F max HI cannot be achieved at higher temps.

56220 EAGLE POINT POWER GENERATION LLC BOP230002 E323 (Storage Vessel)
Print Date: 5/12/2025

What type of contents is this storage vessel equipped to contain by design?	Liquids Only
Storage Vessel Type:	Tank
Design Capacity:	9,900
Units:	gallons
Ground Location:	Above Ground
Is the Shell of the Equipment Exposed to Sunlight?	Yes
Shell Color:	White
Description (if other):	
Shell Condition:	
Paint Condition:	Good
Shell Construction:	Welded
Is the Shell Insulated?	No
Type of Insulation:	
Insulation Thickess (in):	
Thermal Conductivity of Insulation [(BTU)(in)(hr)(ft2)(deg F)]:	
Shape of Storage Vessel:	Cylindrical
Shell Height (From Ground to Roof Bottom) (ft):	18.00
Length (ft):	
Width (ft):	
Diameter (ft):	10.00
Other Dimension	
Description:	
Value:	
Units:	
Fill Method:	Top Pipe
Description (if other):	
Maximum Design Fill Rate:	
Units:	gal/min
Does the storage vessel have a roof or an open top?	Roof
Roof Type:	Vertical fixed roof tank
Roof Height (From Roof Bottom to Roof Top) (ft):	
Roof Construction:	
Primary Seal Type:	
Secondary Seal Type:	
Total Number of Seals:	
Roof Support:	
Does the storage vessel have a Vapor Return Loop?	

56220 EAGLE POINT POWER GENERATION LLC BOP230002 E323 (Storage Vessel)
Print Date: 5/12/2025

Does the storage vessel have a Conservation Vent?	Yes
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:	

56220 EAGLE POINT POWER GENERATION LLC BOP230002 E324 (Storage Vessel)
Print Date: 5/12/2025

What type of contents is this storage vessel equipped to contain by design?	Liquids Only
Storage Vessel Type:	Tank
Design Capacity:	12,500
Units:	gallons
Ground Location:	Above Ground
Is the Shell of the Equipment Exposed to Sunlight?	No
Shell Color:	
Description (if other):	
Shell Condition:	
Paint Condition:	Good
Shell Construction:	
Is the Shell Insulated?	Yes
Type of Insulation:	spray on
Insulation Thickess (in):	
Thermal Conductivity of Insulation [(BTU)(in)(hr)(ft2)(deg F)]:	
Shape of Storage Vessel:	Cylindrical
Shell Height (From Ground to Roof Bottom) (ft):	15.13
Length (ft):	16.37
Width (ft):	
Diameter (ft):	11.83
Other Dimension	
Description:	
Value:	
Units:	
Fill Method:	Top Pipe
Description (if other):	
Maximum Design Fill Rate:	
Units:	gal/min
Does the storage vessel have a roof or an open top?	Roof
Roof Type:	Domed vertical fixed roof tank
Roof Height (From Roof Bottom to Roof Top) (ft):	0.90
Roof Construction:	
Primary Seal Type:	
Secondary Seal Type:	
Total Number of Seals:	
Roof Support:	
Does the storage vessel have a Vapor Return Loop?	

56220 EAGLE POINT POWER GENERATION LLC BOP230002 E324 (Storage Vessel)
Print Date: 5/12/2025

Does the storage vessel have a Conservation Vent?	Yes
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:	

56220 EAGLE POINT POWER GENERATION LLC BOP230002 E325 (Stationary Reciprocating Engine)
Print Date: 5/12/2025

Make:	
Manufacturer:	
Model:	
Maximum Rated Gross Heat Input (MMBtu/hr):	1.5
Class:	diesel
Duty:	
Description:	Cogen Diesel Fire Pump
Load Range (%):	
Stroke:	
Power Output (BHP):	
Electric Output (KW):	
Compression Ratio:	
Ignition Type:	
Engine Speed (RPM):	
Engine Exhaust Temperature (deg F):	
Air to Fuel Ratio at Peak Load:	
Lambda Factor (scfm/scfm):	
Brake Specific Fuel Consumption at Peak Load (Btu/BHP-hr):	
Output Type:	
Heat to Power Ratio:	
Is the Engine Using a Turbocharger?	
Is the Engine Using an Aftercooler?	
Is the Engine Using (check all that apply):	
A Prestratified Charge (PSC)	

A NOx Converter	
Air to Fuel Adjustment (AF)	
Ignition Timing Retard	
Low Emission Combustion	
Non-Selective Catalytic Retard (NSCR)	
Other	
Description:	
Have you attached a diagram showing the location and/or configuration of this equipment?	
Have you attached any manufacturer's data or specifications which may aid in the review of this application?	
Comments:	

Include Emission Rates on the Potential to Emit Screen for each Contaminant in grams/BHP-hr and ppmdv @7% O2 in addition to lbs/hr and tons/yr.

EAGLE POINT POWER GENERATION LLC (56220) Date: 5/12/2025

BOP230002

New Jersey Department of Environmental Protection
Control Device Inventory

CD NJID	Facility's Designation	Description	CD Type	Install Date	Grand-Fathered	Last Mod. (Since 1968)	CD Set ID
CD11	COCAT1	CO Unit No. 1	Oxidizer (Catalytic)		No		
CD12	COCAT2	CO Unit No. 2	Oxidizer (Catalytic)		No		

56220 EAGLE POINT POWER GENERATION LLC BOP230002 CD11 (Oxidizer (Catalytic))
Print Date: 5/12/2025

Make:	Camet
Manufacturer:	Englehard
Model:	CO Foil Catalyst
Minimum Inlet Temperature (deg F):	640
Maximum Inlet Temperature (deg F):	
Minimum Outlet Temperature (deg F):	500
Maximum Outlet Temperature (deg F):	680
Minimum Residence Time (sec):	
Fuel Type:	NG - Primary ULSD - Secondary
Maximum Rated Gross Heat Input (MMBtu/hr):	
Minimum Pressure Drop Across Catalyst (psi):	
Maximum Pressure Drop Across Catalyst (psi):	2
Catalyst Material:	ceramic monolithic w/ precious metal formula
Form of Catalyst:	monolithic
Minimum Expected Life of Catalyst:	3
Units:	years
Volume of Catalyst (ft3):	420
Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-permitted Sources):	1
Alternative Method to Demonstrate Control Apparatus is Operating Properly:	

Have you attached data from recent performance testing?	
Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus?	
Have you attached a diagram showing the location and/or configuration of this control apparatus?	
Comments:	

Control Device Design Efficiency Table

Pollutant Category	Design Efficiency (%)
PM-10	
TSP	
VOC	
NOx	
SO2	
CO	
Pb	
HAPs (Total)	
Other (Total)	
Individual HAPs/Other (speciate below)	

56220 EAGLE POINT POWER GENERATION LLC BOP230002 CD12 (Oxidizer (Catalytic))
Print Date: 5/12/2025

Make:	Camet
Manufacturer:	Englehard
Model:	CO Foil Catalyst
Minimum Inlet Temperature (deg F):	640
Maximum Inlet Temperature (deg F):	
Minimum Outlet Temperature (deg F):	500
Maximum Outlet Temperature (deg F):	680
Minimum Residence Time (sec):	
Fuel Type:	NG - Primary ULSD - Secondary
Maximum Rated Gross Heat Input (MMBtu/hr):	
Minimum Pressure Drop Across Catalyst (psi):	
Maximum Pressure Drop Across Catalyst (psi):	2
Catalyst Material:	ceramic monolithic w/ precious metal formula
Form of Catalyst:	monolithic
Minimum Expected Life of Catalyst:	3
Units:	years
Volume of Catalyst (ft3):	420
Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-permitted Sources):	1
Alternative Method to Demonstrate Control Apparatus is Operating Properly:	

56220 EAGLE POINT POWER GENERATION LLC BOP230002 CD12 (Oxidizer (Catalytic))
Print Date: 5/12/2025

Have you attached data from recent performance testing?	
Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus?	
Have you attached a diagram showing the location and/or configuration of this control apparatus?	
Comments:	

Control Device Design Efficiency Table

Pollutant Category	Design Efficiency (%)
PM-10	
TSP	
VOC	
NOx	
SO2	
CO	
Pb	
HAPs (Total)	
Other (Total)	
Individual HAPs/Other (speciate below)	

EAGLE POINT POWER GENERATION LLC (56220)
BOP230002

Date: 5/12/2025

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.		
PT269	CT11	Cogeneration System #1	Round	192	100	2,100	300.0	230.0	325.0	740,000.0	380,000.0	1,000,000.0	Up	
PT270	CT12	Cogeneration System #2	Round	192	100	2,100	300.0	230.0	325.0	740,000.0	380,000.0	1,000,000.0	Up	
PT272	CT14	Acid Tank	Round	4	20	1,938	54.0	40.0	100.0	12.0	5.0	20.0	Down	
PT273	CT15	Caustic Tank	Round	15	16	1,938	54.0	40.0	100.0	19.0	10.0	30.0	Down	
PT274	16	CTI Diesel Pump	Round	6	13	1,400	800.0	700.0	900.0	1,700.0	850.0	2,500.0	Horizontal	

EAGLE POINT POWER GENERATION LLC (56220)
BOP230002

Date: 5/12/2025

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

U 99 Cogen Two Identical Combined Cycle Gas Turbines, Firing NG or ULSD, Equipped with Fogging + Steam Injection Systems

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS3	GT1/FG/ST NG	Gas Turbine No.1 firing NG with steam injection, with or without fogging.	Normal - Steady State	E319	CD11 (P)	PT269	2-03-001-01	0.0	8,760.0		380,000.0	1,000,000.0	230.0	325.0
OS8	GT2/FG/ST NG	Gas Turbine No.2 firing NG with steam injection, with or without fogging.	Normal - Steady State	E321	CD12 (P)	PT270	2-03-001-01	0.0	8,760.0		380,000.0	1,000,000.0	230.0	325.0
OS23	GT1 StartNG	Gas Turbine No.1 start-up firing NG.	Startup	E319	CD11 (P)	PT269								
OS24	GT1 ShutNG	Gas Turbine No.1 shut-down firing NG.	Shutdown	E319	CD11 (P)	PT269								
OS25	GT2 StartNG	Gas Turbine No.2 start-up firing NG.	Startup	E321	CD12 (P)	PT270								
OS26	GT2 ShutNG	Gas Turbine No.2 shut-down firing NG.	Shutdown	E321	CD12 (P)	PT270								
OS29	GT1 ULSD	Gas Turbine No.1 firing ULSD.	Normal - Steady State	E319	CD11 (P)	PT269								
OS31	GT2 ULSD	Gas Turbine No.2 firing ULSD.	Normal - Steady State	E321	CD12 (P)	PT270								
OS33	GT1 StartUL	Gas Turbine No.1 start-up firing ULSD.	Startup	E319	CD11 (P)	PT269		0.0	27.5					
OS34	GT1 ShutUL	Gas Turbine No.1 shut-down firing ULSD.	Shutdown	E319	CD11 (P)	PT269		0.0	11.0					
OS35	GT2 StartUL	Gas Turbine No.2 start-up firing ULSD.	Startup	E321	CD12 (P)	PT270		0.0	27.5					
OS36	GT2 ShutUL	Gas Turbine No.2 shut-down firing ULSD.	Shutdown	E321	CD12 (P)	PT270		0.0	11.0					
OS37	GT1 FuelTr	Gas Turbine No.1 Fuel Transfer	Normal - Steady State	E319	CD11 (P)	PT269								

EAGLE POINT POWER GENERATION LLC (56220)
BOP230002

Date: 5/12/2025

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

U 99 Cogen Two Identical Combined Cycle Gas Turbines, Firing NG or ULSD, Equipped with Fogging + Steam Injection Systems

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS38	GT2 FuelTr	Gas Turbine No.2 Fuel Transfer	Normal - Steady State	E321	CD12 (P)	PT270								

U 101 Acid Tank Storage Tank---Sulfuric Acid

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	ST-2	Chemical Storage	Normal - Steady State	E323		PT272	4-07-999-99	0.0	8,760.0		0.0	20.0	40.0	100.0

EAGLE POINT POWER GENERATION LLC (56220)
BOP230002

Date: 5/12/2025

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

U 102 Caustic Tank Storage Tank---Sodium Hydroxide

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	ST-3	Chemical Storage	Normal - Steady State	E324		PT273	4-07-999-99	0.0	8,760.0		0.0	30.0	40.0	100.0

U 103 Fire Pump 1.52 MMBtu/hr Cogen Diesel Fire Pump

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	Fire pump	Diesel Fire Pump	Normal - Steady State	E325		PT274	2-70-003-20	0.0	8,760.0		850.0	2,500.0	700.0	900.0

Date: 5/12/2025

New Jersey Department of Environmental Protection
Subject Item Group Inventory

Group NJID: GR1 RGGI

Members:

Type	ID	OS	Step
E	E 319		
E	E 321		

Formal Reason(s) for Group/Cap:

☑ Other

Other (explain): RGGI Requirements

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

RGGI

Operating Circumstances:

All Operation

New Jersey Department of Environmental Protection
Subject Item Group Inventory

Group NJID: GR2 PACT

Members:

Type	ID	OS	Step
E	E 319		
E	E 321		
U	U 99	OS0 Summary	

Formal Reason(s) for Group/Cap:

☑ Other

Other (explain): Turbines subject to N.J.A.C 7:27F - Control and Prohibition of CO2 emissions

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

Operating Circumstances:

Appendix I:

Cross-State Air Pollution Rule (CSAPR) Title V requirements for

- **CSAPR NOx Annual Trading Program,**
- **CSAPR NOx Ozone Season Trading Program, and**
- **CSAPR SO2 Trading Program**

Transport Rule (TR) Trading Program Title V Requirements

TR NO_X Annual Trading Program requirements (40 CFR 97.406)

(a) Designated representative requirements.

The owners and operators shall comply with the requirement to have a designated representative, and may have an alternate designated representative, in accordance with 40 CFR 97.413 through 97.418.

(b) Emissions monitoring, reporting, and recordkeeping requirements.

(1) The owners and operators, and the designated representative, of each TR NO_X Annual source and each TR NO_X Annual unit at the source shall comply with the monitoring, reporting, and recordkeeping requirements of 40 CFR 97.430 (general requirements, including installation, certification, and data accounting, compliance deadlines, reporting data, prohibitions, and long-term cold storage), 97.431 (initial monitoring system certification and recertification procedures), 97.432 (monitoring system out-of-control periods), 97.433 (notifications concerning monitoring), 97.434 (recordkeeping and reporting, including monitoring plans, certification applications, quarterly reports, and compliance certification), and 97.435 (petitions for alternatives to monitoring, recordkeeping, or reporting requirements).

(2) The emissions data determined in accordance with 40 CFR 97.430 through 97.435 shall be used to calculate allocations of TR NO_X Annual allowances under 40 CFR 97.411(a)(2) and (b) and 97.412 and to determine compliance with the TR NO_X Annual emissions limitation and assurance provisions under paragraph (c) below, provided that, for each monitoring location from which mass emissions are reported, the mass emissions amount used in calculating such allocations and determining such compliance shall be the mass emissions amount for the monitoring location determined in accordance with 40 CFR 97.430 through 97.435 and rounded to the nearest ton, with any fraction of a ton less than 0.50 being deemed to be zero.

(c) NO_X emissions requirements.

(1) TR NO_X Annual emissions limitation.

(i). As of the allowance transfer deadline for a control period in a given year, the owners and operators of each TR NO_X Annual source and each TR NO_X Annual unit at the source shall hold, in the source's compliance account, TR NO_X Annual allowances available for deduction for such control period under 40 CFR 97.424(a) in an amount not less than the tons of total NO_X emissions for such control period from all TR NO_X Annual units at the source.

(ii). If total NO_X emissions during a control period in a given year from the TR NO_X Annual units at a TR NO_X Annual source are in excess of the TR NO_X Annual emissions limitation set forth in paragraph (c)(1)(i) above, then:

(A). The owners and operators of the source and each TR NO_X Annual unit at the source shall hold the TR NO_X Annual allowances required for deduction under 40 CFR 97.424(d); and

(B). The owners and operators of the source and each TR NO_X Annual unit at the source shall pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act, and each ton of such excess emissions and each day of such control period shall constitute a separate violation of 40 CFR part 97, subpart AAAAA and the Clean Air Act.

(2) TR NO_X Annual assurance provisions.

(i). If total NO_X emissions during a control period in a given year from all TR NO_X Annual units at TR NO_X Annual sources in the state exceed the state assurance level, then the

owners and operators of such sources and units in each group of one or more sources and units having a common designated representative for such control period, where the common designated representative's share of such NO_X emissions during such control period exceeds the common designated representative's assurance level for the state and such control period, shall hold (in the assurance account established for the owners and operators of such group) TR NO_X Annual allowances available for deduction for such control period under 40 CFR 97.425(a) in an amount equal to two times the product (rounded to the nearest whole number), as determined by the Administrator in accordance with 40 CFR 97.425(b), of multiplying— (A) The quotient of the amount by which the common designated representative's share of such NO_X emissions exceeds the common designated representative's assurance level divided by the sum of the amounts, determined for all common designated representatives for such sources and units in the state for such control period, by which each common designated representative's share of such NO_X emissions exceeds the respective common designated representative's assurance level; and (B) The amount by which total NO_X emissions from all TR NO_X Annual units at TR NO_X Annual sources in the state for such control period exceed the state assurance level.

(ii). The owners and operators shall hold the TR NO_X Annual allowances required under paragraph (c)(2)(i) above, as of midnight of November 1 (if it is a business day), or midnight of the first business day thereafter (if November 1 is not a business day), immediately after such control period.

(iii). Total NO_X emissions from all TR NO_X Annual units at TR NO_X Annual sources in the State during a control period in a given year exceed the state assurance level if such total NO_X emissions exceed the sum, for such control period, of the state NO_X Annual trading budget under 40 CFR 97.410(a) and the state's variability limit under 40 CFR 97.410(b).

(iv). It shall not be a violation of 40 CFR part 97, subpart AAAAA or of the Clean Air Act if total NO_X emissions from all TR NO_X Annual units at TR NO_X Annual sources in the State during a control period exceed the state assurance level or if a common designated representative's share of total NO_X emissions from the TR NO_X Annual units at TR NO_X Annual sources in the state during a control period exceeds the common designated representative's assurance level.

(v). To the extent the owners and operators fail to hold TR NO_X Annual allowances for a control period in a given year in accordance with paragraphs (c)(2)(i) through (iii) above,

(A). The owners and operators shall pay any fine, penalty, or assessment or comply with any other remedy imposed under the Clean Air Act; and

(B). Each TR NO_X Annual allowance that the owners and operators fail to hold for such control period in accordance with paragraphs (c)(2)(i) through (iii) above and each day of such control period shall constitute a separate violation of 40 CFR part 97, subpart AAAAA and the Clean Air Act.

(3) Compliance periods.

(i). A TR NO_X Annual unit shall be subject to the requirements under paragraph (c)(1) above for the control period starting on the later of January 1, 2015, or the deadline for meeting the unit's monitor certification requirements under 40 CFR 97.430(b) and for each control period thereafter.

(ii). A TR NO_X Annual unit shall be subject to the requirements under paragraph (c)(2) above for the control period starting on the later of January 1, 2017 or the deadline for meeting the unit's monitor certification requirements under 40 CFR 97.430(b) and for each control period thereafter.

(4) Vintage of allowances held for compliance.

(i). A TR NO_X Annual allowance held for compliance with the requirements under paragraph (c)(1)(i) above for a control period in a given year must be a TR NO_X Annual allowance that was allocated for such control period or a control period in a prior year.

(ii). A TR NO_X Annual allowance held for compliance with the requirements under paragraphs (c)(1)(ii)(A) and (2)(i) through (iii) above for a control period in a given year must be a TR NO_X Annual allowance that was allocated for a control period in a prior year or the control period in the given year or in the immediately following year.

(5) Allowance Management System requirements. Each TR NO_X Annual allowance shall be held in, deducted from, or transferred into, out of, or between Allowance Management System accounts in accordance with 40 CFR part 97, subpart AAAAA.

(6) Limited authorization. A TR NO_X Annual allowance is a limited authorization to emit one ton of NO_X during the control period in one year. Such authorization is limited in its use and duration as follows:

(i). Such authorization shall only be used in accordance with the TR NO_X Annual Trading Program; and

(ii). Notwithstanding any other provision of 40 CFR part 97, the Administrator has the authority to terminate or limit the use and duration of such authorization to the extent the Administrator determines is necessary or appropriate to implement any provision of the Clean Air Act.

(7) Property right. A TR NO_X Annual allowance does not constitute a property right.

(d) Title V permit revision requirements.

(1) No title V permit revision shall be required for any allocation, holding, deduction, or transfer of TR NO_X Annual allowances in accordance with 40 CFR part 97, subpart AAAAA.

(2) This permit incorporates the TR emissions monitoring, recordkeeping and reporting requirements pursuant to 40 CFR 97.430 through 97.435, and the requirements for a continuous emission monitoring system (pursuant to 40 CFR part 75, subparts B and H), an excepted monitoring system (pursuant to 40 CFR part 75, appendices D and E), a low mass emissions excepted monitoring methodology (pursuant to 40 CFR 75.19), and an alternative monitoring system (pursuant to 40 CFR part 75, subpart E). Therefore, the Description of TR Monitoring Provisions table for units identified in this permit may be added to, or changed, in this title V permit using minor permit modification procedures in accordance with 40 CFR 97.406(d)(2) and 70.7(e)(2)(i)(B) or 71.7(e)(1)(i)(B).

(e) Additional recordkeeping and reporting requirements.

(1) Unless otherwise provided, the owners and operators of each TR NO_X Annual source and each TR NO_X Annual unit at the source shall keep on site at the source each of the following documents (in hardcopy or electronic format) for a period of 5 years from the date the document is created. This period may be extended for cause, at any time before the end of 5 years, in writing by the Administrator.

(i). The certificate of representation under 40 CFR 97.416 for the designated representative for the source and each TR NO_X Annual unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such certificate of representation and documents are superseded because of the submission of a new certificate of representation under 40 CFR 97.416 changing the designated representative.

(ii). All emissions monitoring information, in accordance with 40 CFR part 97, subpart AAAAA.

(iii). Copies of all reports, compliance certifications, and other submissions and all records made or required under, or to demonstrate compliance with the requirements of, the TR NO_X Annual Trading Program.

(2) The designated representative of a TR NO_X Annual source and each TR NO_X Annual unit at the source shall make all submissions required under the TR NO_X Annual Trading Program, except as provided in 40 CFR 97.418. This requirement does not change, create an exemption from, or otherwise affect the responsible official submission requirements under a title V operating permit program in 40 CFR parts 70 and 71.

(f) Liability.

(1) Any provision of the TR NO_X Annual Trading Program that applies to a TR NO_X Annual source or the designated representative of a TR NO_X Annual source shall also apply to the owners and operators of such source and of the TR NO_X Annual units at the source.

(2) Any provision of the TR NO_X Annual Trading Program that applies to a TR NO_X Annual unit or the designated representative of a TR NO_X Annual unit shall also apply to the owners and operators of such unit.

(g) Effect on other authorities.

No provision of the TR NO_X Annual Trading Program or exemption under 40 CFR 97.405 shall be construed as exempting or excluding the owners and operators, and the designated representative, of a TR NO_X Annual source or TR NO_X Annual unit from compliance with any other provision of the applicable, approved state implementation plan, a federally enforceable permit, or the Clean Air Act.

TR NO_X Ozone Season Trading Program Requirements (40 CFR 97.506)

(a) Designated representative requirements.

The owners and operators shall comply with the requirement to have a designated representative, and may have an alternate designated representative, in accordance with 40 CFR 97.513 through 97.518.

(b) Emissions monitoring, reporting, and recordkeeping requirements.

(1) The owners and operators, and the designated representative, of each TR NO_X Ozone Season source and each TR NO_X Ozone Season unit at the source shall comply with the monitoring, reporting, and recordkeeping requirements of 40 CFR 97.530 (general requirements, including installation, certification, and data accounting, compliance deadlines, reporting data, prohibitions, and long-term cold storage), 97.531 (initial monitoring system certification and recertification procedures), 97.532 (monitoring system out-of-control periods), 97.533 (notifications concerning monitoring), 97.534 (recordkeeping and reporting, including monitoring plans, certification applications, quarterly reports, and compliance certification), and 97.535 (petitions for alternatives to monitoring, recordkeeping, or reporting requirements).

(2) The emissions data determined in accordance with 40 CFR 97.530 through 97.535 shall be used to calculate allocations of TR NO_X Ozone Season allowances under 40 CFR 97.511(a)(2) and (b) and 97.512 and to determine compliance with the TR NO_X Ozone Season emissions limitation and assurance provisions under paragraph (c) below, provided that, for each monitoring location from which mass emissions are reported, the mass emissions amount used in calculating such allocations and determining such compliance shall be the mass emissions amount for the monitoring location determined in accordance with 40 CFR 97.530 through 97.535 and rounded to the nearest ton, with any fraction of a ton less than 0.50 being deemed to be zero.

(c) NO_X emissions requirements.

(1) TR NO_X Ozone Season emissions limitation.

(i). As of the allowance transfer deadline for a control period in a given year, the owners and operators of each TR NO_X Ozone Season source and each TR NO_X Ozone Season unit at the source shall hold, in the source's compliance account, TR NO_X Ozone Season allowances available for deduction for such control period under 40 CFR 97.524(a) in an amount not less than the tons of total NO_X emissions for such control period from all TR NO_X Ozone Season units at the source.

(ii). If total NO_X emissions during a control period in a given year from the TR NO_X Ozone Season units at a TR NO_X Ozone Season source are in excess of the TR NO_X Ozone Season emissions limitation set forth in paragraph (c)(1)(i) above, then:

(A). The owners and operators of the source and each TR NO_X Ozone Season unit at the source shall hold the TR NO_X Ozone Season allowances required for deduction under 40 CFR 97.524(d); and

(B). The owners and operators of the source and each TR NO_X Ozone Season unit at the source shall pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act, and each ton of such excess emissions and each day of such control period shall constitute a separate violation of 40 CFR part 97, subpart BBBBB and the Clean Air Act.

(2) TR NO_X Ozone Season assurance provisions.

(i). If total NO_X emissions during a control period in a given year from all TR NO_X Ozone Season units at TR NO_X Ozone Season sources in the state exceed the state assurance level, then the owners and operators of such sources and units in each group of one or more sources and units having a common designated representative for such control period, where the common designated representative's share of such NO_X emissions during such control period exceeds the common designated representative's assurance level for the state

and such control period, shall hold (in the assurance account established for the owners and operators of such group) TR NO_X Ozone Season allowances available for deduction for such control period under 40 CFR 97.525(a) in an amount equal to two times the product (rounded to the nearest whole number), as determined by the Administrator in accordance with 40 CFR 97.525(b), of multiplying—

(A). The quotient of the amount by which the common designated representative's share of such NO_X emissions exceeds the common designated representative's assurance level divided by the sum of the amounts, determined for all common designated representatives for such sources and units in the state for such control period, by which each common designated representative's share of such NO_X emissions exceeds the respective common designated representative's assurance level; and

(B). The amount by which total NO_X emissions from all TR NO_X Ozone Season units at TR NO_X Ozone Season sources in the state for such control period exceed the state assurance level.

(ii). The owners and operators shall hold the TR NO_X Ozone Season allowances required under paragraph (c)(2)(i) above, as of midnight of November 1 (if it is a business day), or midnight of the first business day thereafter (if November 1 is not a business day), immediately after such control period.

(iii). Total NO_X emissions from all TR NO_X Ozone Season units at TR NO_X Ozone Season sources in the state during a control period in a given year exceed the state assurance level if such total NO_X emissions exceed the sum, for such control period, of the State NO_X Ozone Season trading budget under 40 CFR 97.510(a) and the state's variability limit under 40 CFR 97.510(b).

(iv). It shall not be a violation of 40 CFR part 97, subpart BBBBB or of the Clean Air Act if total NO_X emissions from all TR NO_X Ozone Season units at TR NO_X Ozone Season sources in the state during a control period exceed the state assurance level or if a common designated representative's share of total NO_X emissions from the TR NO_X Ozone Season units at TR NO_X Ozone Season sources in the state during a control period exceeds the common designated representative's assurance level.

(v). To the extent the owners and operators fail to hold TR NO_X Ozone Season allowances for a control period in a given year in accordance with paragraphs (c)(2)(i) through (iii) above,

(A). The owners and operators shall pay any fine, penalty, or assessment or comply with any other remedy imposed under the Clean Air Act; and

(B). Each TR NO_X Ozone Season allowance that the owners and operators fail to hold for such control period in accordance with paragraphs (c)(2)(i) through (iii) above and each day of such control period shall constitute a separate violation of 40 CFR part 97, subpart BBBBB and the Clean Air Act.

(3) Compliance periods.

(i). A TR NO_X Ozone Season unit shall be subject to the requirements under paragraph (c)(1) above for the control period starting on the later of May 1, 2015 or the deadline for meeting the unit's monitor certification requirements under 40 CFR 97.530(b) and for each control period thereafter.

(ii). A TR NO_X Ozone Season unit shall be subject to the requirements under paragraph (c)(2) above for the control period starting on the later of May 1, 2017 or the deadline for meeting the unit's monitor certification requirements under 40 CFR 97.530(b) and for each control period thereafter.

(4) Vintage of allowances held for compliance.

(i). A TR NO_X Ozone Season allowance held for compliance with the requirements under paragraph (c)(1)(i) above for a control period in a given year must be a TR NO_X Ozone

Season allowance that was allocated for such control period or a control period in a prior year.

(ii). A TR NO_X Ozone Season allowance held for compliance with the requirements under paragraphs (c)(1)(ii)(A) and (2)(i) through (iii) above for a control period in a given year must be a TR NO_X Ozone Season allowance that was allocated for a control period in a prior year or the control period in the given year or in the immediately following year.

(5) Allowance Management System requirements. Each TR NO_X Ozone Season allowance shall be held in, deducted from, or transferred into, out of, or between Allowance Management System accounts in accordance with 40 CFR part 97, subpart BBBBB.

(6) Limited authorization. A TR NO_X Ozone Season allowance is a limited authorization to emit one ton of NO_X during the control period in one year. Such authorization is limited in its use and duration as follows:

(i). Such authorization shall only be used in accordance with the TR NO_X Ozone Season Trading Program; and

(ii). Notwithstanding any other provision of 40 CFR part 97, subpart BBBBB, the Administrator has the authority to terminate or limit the use and duration of such authorization to the extent the Administrator determines is necessary or appropriate to implement any provision of the Clean Air Act.

(7) Property right. A TR NO_X Ozone Season allowance does not constitute a property right.

(d) Title V permit revision requirements.

(1) No title V permit revision shall be required for any allocation, holding, deduction, or transfer of TR NO_X Ozone Season allowances in accordance with 40 CFR part 97, subpart BBBBB.

(2) This permit incorporates the TR emissions monitoring, recordkeeping and reporting requirements pursuant to 40 CFR 97.530 through 97.535, and the requirements for a continuous emission monitoring system (pursuant to 40 CFR part 75, subparts B and H), an excepted monitoring system (pursuant to 40 CFR part 75, appendices D and E), a low mass emissions excepted monitoring methodology (pursuant to 40 CFR 75.19), and an alternative monitoring system (pursuant to 40 CFR part 75, subpart E). Therefore, the Description of TR Monitoring Provisions table for units identified in this permit may be added to, or changed, in this title V permit using minor permit modification procedures in accordance with 40 CFR 97.506(d)(2) and 70.7(e)(2)(i)(B) or 71.7(e)(1)(i)(B).

(e) Additional recordkeeping and reporting requirements.

(1) Unless otherwise provided, the owners and operators of each TR NO_X Ozone Season source and each TR NO_X Ozone Season unit at the source shall keep on site at the source each of the following documents (in hardcopy or electronic format) for a period of 5 years from the date the document is created. This period may be extended for cause, at any time before the end of 5 years, in writing by the Administrator.

(i). The certificate of representation under 40 CFR 97.516 for the designated representative for the source and each TR NO_X Ozone Season unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such certificate of representation and documents are superseded because of the submission of a new certificate of representation under 40 CFR 97.516 changing the designated representative.

(ii). All emissions monitoring information, in accordance with 40 CFR part 97, subpart BBBBB.

(iii). Copies of all reports, compliance certifications, and other submissions and all records made or required under, or to demonstrate compliance with the requirements of, the TR NO_X Ozone Season Trading Program.

(2) The designated representative of a TR NO_X Ozone Season source and each TR NO_X Ozone Season unit at the source shall make all submissions required under the TR NO_X Ozone Season Trading Program, except as provided in 40 CFR 97.518. This requirement does not change, create an exemption from, or otherwise affect the responsible official submission requirements under a title V operating permit program in 40 CFR parts 70 and 71.

(f) Liability.

(1) Any provision of the TR NO_X Ozone Season Trading Program that applies to a TR NO_X Ozone Season source or the designated representative of a TR NO_X Ozone Season source shall also apply to the owners and operators of such source and of the TR NO_X Ozone Season units at the source.

(2) Any provision of the TR NO_X Ozone Season Trading Program that applies to a TR NO_X Ozone Season unit or the designated representative of a TR NO_X Ozone Season unit shall also apply to the owners and operators of such unit.

(g) Effect on other authorities.

No provision of the TR NO_X Ozone Season Trading Program or exemption under 40 CFR 97.505 shall be construed as exempting or excluding the owners and operators, and the designated representative, of a TR NO_X Ozone Season source or TR NO_X Ozone Season unit from compliance with any other provision of the applicable, approved state implementation plan, a federally enforceable permit, or the Clean Air Act.

TR SO_2 Group 1 Trading Program requirements (40 CFR 97.606)

(a) Designated representative requirements.

The owners and operators shall comply with the requirement to have a designated representative, and may have an alternate designated representative, in accordance with 40 CFR 97.613 through 97.618.

(b) Emissions monitoring, reporting, and recordkeeping requirements.

(1) The owners and operators, and the designated representative, of each TR SO_2 Group 1 source and each TR SO_2 Group 1 unit at the source shall comply with the monitoring, reporting, and recordkeeping requirements of 40 CFR 97.630 (general requirements, including installation, certification, and data accounting, compliance deadlines, reporting data, prohibitions, and long-term cold storage), 97.631 (initial monitoring system certification and recertification procedures), 97.632 (monitoring system out-of-control periods), 97.633 (notifications concerning monitoring), 97.634 (recordkeeping and reporting, including monitoring plans, certification applications, quarterly reports, and compliance certification), and 97.635 (petitions for alternatives to monitoring, recordkeeping, or reporting requirements).

(2) The emissions data determined in accordance with 40 CFR 97.630 through 97.635 shall be used to calculate allocations of TR SO_2 Group 1 allowances under 40 CFR 97.611(a)(2) and (b) and 97.612 and to determine compliance with the TR SO_2 Group 1 emissions limitation and assurance provisions under paragraph (c) below, provided that, for each monitoring location from which mass emissions are reported, the mass emissions amount used in calculating such allocations and determining such compliance shall be the mass emissions amount for the monitoring location determined in accordance with 40 CFR 97.630 through 97.635 and rounded to the nearest ton, with any fraction of a ton less than 0.50 being deemed to be zero.

(c) SO_2 emissions requirements.

(1) TR SO_2 Group 1 emissions limitation.

(i). As of the allowance transfer deadline for a control period in a given year, the owners and operators of each TR SO_2 Group 1 source and each TR SO2 Group 1 unit at the source shall hold, in the source's compliance account, TR SO_2 Group 1 allowances available for deduction for such control period under 40 CFR 97.624(a) in an amount not less than the tons of total SO_2 emissions for such control period from all TR SO_2 Group 1 units at the source.

(ii). If total SO_2 emissions during a control period in a given year from the TR SO_2 Group 1 units at a TR SO_2 Group 1 source are in excess of the TR SO_2 Group 1 emissions limitation set forth in paragraph (c)(1)(i) above, then:

(A). The owners and operators of the source and each TR SO_2 Group 1 unit at the source shall hold the TR SO_2 Group 1 allowances required for deduction under 40 CFR 97.624(d); and

(B). The owners and operators of the source and each TR SO_2 Group 1 unit at the source shall pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act, and each ton of such excess emissions and each day of such control period shall constitute a separate violation 40 CFR part 97, subpart CCCCC and the Clean Air Act.

(2) TR SO_2 Group 1 assurance provisions.

(i). If total SO_2 emissions during a control period in a given year from all TR SO_2 Group 1 units at TR SO_2 Group 1 sources in the state exceed the state assurance level, then the owners and operators of such sources and units in each group of one or more sources and units having a common designated representative for such control period, where the common designated representative's share of such SO_2 emissions during such control period exceeds the common designated representative's assurance level for the state and

such control period, shall hold (in the assurance account established for the owners and operators of such group) TR SO_2 Group 1 allowances available for deduction for such control period under 40 CFR 97.625(a) in an amount equal to two times the product (rounded to the nearest whole number), as determined by the Administrator in accordance with 40 CFR 97.625(b), of multiplying—

(A). The quotient of the amount by which the common designated representative's share of such SO_2 emissions exceeds the common designated representative's assurance level divided by the sum of the amounts, determined for all common designated representatives for such sources and units in the state for such control period, by which each common designated representative's share of such SO_2 emissions exceeds the respective common designated representative's assurance level; and

(B). The amount by which total SO_2 emissions from all TR SO_2 Group 1 units at TR SO_2 Group 1 sources in the state for such control period exceed the state assurance level.

(ii). The owners and operators shall hold the TR SO_2 Group 1 allowances required under paragraph (c)(2)(i) above, as of midnight of November 1 (if it is a business day), or midnight of the first business day thereafter (if November 1 is not a business day), immediately after such control period.

(iii). Total SO_2 emissions from all TR SO_2 Group 1 units at TR SO_2 Group 1 sources in the state during a control period in a given year exceed the state assurance level if such total SO_2 emissions exceed the sum, for such control period, of the state SO_2 Group 1 trading budget under 40 CFR 97.610(a) and the state's variability limit under 40 CFR 97.610(b).

(iv). It shall not be a violation of 40 CFR part 97, subpart CCCCC or of the Clean Air Act if total SO_2 emissions from all TR SO_2 Group 1 units at TR SO_2 Group 1 sources in the state during a control period exceed the state assurance level or if a common designated representative's share of total SO_2 emissions from the TR SO_2 Group 1 units at TR SO_2 Group 1 sources in the state during a control period exceeds the common designated representative's assurance level.

(v). To the extent the owners and operators fail to hold TR SO_2 Group 1 allowances for a control period in a given year in accordance with paragraphs (c)(2)(i) through (iii) above,

(A). The owners and operators shall pay any fine, penalty, or assessment or comply with any other remedy imposed under the Clean Air Act; and

(B). Each TR SO_2 Group 1 allowance that the owners and operators fail to hold for such control period in accordance with paragraphs (c)(2)(i) through (iii) above and each day of such control period shall constitute a separate violation of 40 CFR part 97, subpart CCCCC and the Clean Air Act.

(3) Compliance periods.

(i). A TR SO_2 Group 1 unit shall be subject to the requirements under paragraph (c)(1) above for the control period starting on the later of January 1, 2015 or the deadline for meeting the unit's monitor certification requirements under 40 CFR 97.630(b) and for each control period thereafter.

(ii). A TR SO_2 Group 1 unit shall be subject to the requirements under paragraph (c)(2) above for the control period starting on the later of January 1, 2017 or the deadline for meeting the unit's monitor certification requirements under 40 CFR 97.630(b) and for each control period thereafter.

(4) Vintage of allowances held for compliance.

(i). A TR SO_2 Group 1 allowance held for compliance with the requirements under paragraph (c)(1)(i) above for a control period in a given year must be a TR SO_2 Group 1 allowance that was allocated for such control period or a control period in a prior year.

(ii). A TR SO_2 Group 1 allowance held for compliance with the requirements under paragraphs (c)(1)(ii)(A) and (2)(i) through (iii) above for a control period in a given year must be a TR SO_2 Group 1 allowance that was allocated for a control period in a prior year or the control period in the given year or in the immediately following year.

(5) Allowance Management System requirements. Each TR SO_2 Group 1 allowance shall be held in, deducted from, or transferred into, out of, or between Allowance Management System accounts in accordance with 40 CFR part 97, subpart CCCCC.

(6) Limited authorization. A TR SO_2 Group 1 allowance is a limited authorization to emit one ton of SO_2 during the control period in one year. Such authorization is limited in its use and duration as follows:

(i). Such authorization shall only be used in accordance with the TR SO_2 Group 1 Trading Program; and

(ii). Notwithstanding any other provision of 40 CFR part 97, subpart CCCCC, the Administrator has the authority to terminate or limit the use and duration of such authorization to the extent the Administrator determines is necessary or appropriate to implement any provision of the Clean Air Act.

(7) Property right. A TR SO_2 Group 1 allowance does not constitute a property right.

(d) Title V permit revision requirements.

(1) No title V permit revision shall be required for any allocation, holding, deduction, or transfer of TR SO_2 Group 1 allowances in accordance with 40 CFR part 97, subpart CCCCC.

(2) This permit incorporates the TR emissions monitoring, recordkeeping and reporting requirements pursuant to 40 CFR 97.630 through 97.635, and the requirements for a continuous emission monitoring system (pursuant to 40 CFR part 75, subparts B and H), an excepted monitoring system (pursuant to 40 CFR part 75, appendices D and E), a low mass emissions excepted monitoring methodology (pursuant to 40 CFR part 75.19), and an alternative monitoring system (pursuant to 40 CFR part 75, subpart E), Therefore, the Description of TR Monitoring Provisions table for units identified in this permit may be added to, or changed, in this title V permit using minor permit modification procedures in accordance with 40 CFR 97.606(d)(2) and 70.7(e)(2)(i)(B) or 71.7(e)(1)(i)(B).

(e) Additional recordkeeping and reporting requirements.

(1) Unless otherwise provided, the owners and operators of each TR SO_2 Group 1 source and each TR SO_2 Group 1 unit at the source shall keep on site at the source each of the following documents (in hardcopy or electronic format) for a period of 5 years from the date the document is created. This period may be extended for cause, at any time before the end of 5 years, in writing by the Administrator.

(i). The certificate of representation under 40 CFR 97.616 for the designated representative for the source and each TR SO_2 Group 1 unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such certificate of representation and documents are superseded because of the submission of a new certificate of representation under 40 CFR 97.616 changing the designated representative.

(ii). All emissions monitoring information, in accordance with 40 CFR part 97, subpart CCCCC.

(iii). Copies of all reports, compliance certifications, and other submissions and all records made or required under, or to demonstrate compliance with the requirements of, the TR SO_2 Group 1 Trading Program.

(2) The designated representative of a TR SO_2 Group 1 source and each TR SO_2 Group 1 unit at the source shall make all submissions required under the TR SO_2 Group 1 Trading Program, except

as provided in 40 CFR 97.618. This requirement does not change, create an exemption from, or otherwise affect the responsible official submission requirements under a title V operating permit program in 40 CFR parts 70 and 71.

(f) Liability.

(1) Any provision of the TR SO_2 Group 1 Trading Program that applies to a TR SO_2 Group 1 source or the designated representative of a TR SO_2 Group 1 source shall also apply to the owners and operators of such source and of the TR SO_2 Group 1 units at the source.

(2) Any provision of the TR SO_2 Group 1 Trading Program that applies to a TR SO_2 Group 1 unit or the designated representative of a TR SO_2 Group 1 unit shall also apply to the owners and operators of such unit.

(g) Effect on other authorities.

No provision of the TR SO_2 Group 1 Trading Program or exemption under 40 CFR 97.605 shall be construed as exempting or excluding the owners and operators, and the designated representative, of a TR SO_2 Group 1 source or TR SO_2 Group 1 unit from compliance with any other provision of the applicable, approved state implementation plan, a federally enforceable permit, or the Clean Air Act.

Appendix II:

PHASE II ACID RAIN PERMIT

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

PHILIP D. MURPHY
Governor

TAHESHA WAY
Lt. Governor

SHAWN M. LATOURETTE
Commissioner

PHASE II ACID RAIN PERMIT

Issued to: **Eagle Point Power Generation LLC**
C/O Rockland Power Partners
24 Waterway Ave., Suite 400,
The Woodlands, TX 77380

Owned by: **Eagle Point Power Generation LLC**
C/O Rockland Power Partners
24 Waterway Ave., Suite 400,
The Woodlands, TX 77380

Operated by: **Eagle Point Power Generation LLC**
C/O Rockland Power Partners
24 Waterway Ave., Suite 400,
The Woodlands, TX 77380

ORIS Code: 050561

Effective: To coincide with the Operating Permit Dates (**Expiry Date: Coincides with Title V permit expiry date)**

This Acid Rain Permit is issued under the authority of Chapter 106, P.L.1967 (N.J.S.A. 26:2C-9.2) and Titles IV and V of the Clean Air Act. The owners and operators of each affected unit at this facility shall comply with all of the requirements established in this permit.

Approved by:

_____
Aliya M. Khan
Bureau of Stationary Sources

ACID RAIN PERMIT CONTENTS

1) STATEMENT OF BASIS

2) UNIT SPECIFIC REQUIREMENTS

3) COMMENTS, NOTES, AND JUSTIFICATIONS REGARDING PERMIT DECISIONS

4) PHASE II PERMIT APPLICATION

1) Statement of Basis

In accordance with N.J.S.A. 26:2C-9.2 and Titles IV and V of the Clean Air Act, the Department issues this permit pursuant to N.J.A.C. 7:27 et seq.

2) Unit Specific Requirements

Refer to 40 CFR 72 for specific requirements.

3) Comments, Notes, And Justifications Regarding Permit Decisions

This facility is subject to the Operating Permit regulations promulgated at N.J.A.C. 7:27-22. Therefore, the facility must obtain an Operating Permit. The Department is currently reviewing the Operating Permit application filed by the applicant, and expects to issue a permit decision on their application in the near future. The procedures for incorporating this Acid Rain permit into the Operating Permit shall be consistent with the state requirements at N.J.A.C. 7:27-22.29, the federal requirements at 40 CFR 72, and any official guidance issued by USEPA.

4) Phase II Permit Application

The owners and operators shall comply with all of the standard requirements and special provisions set forth on the attached Phase II Permit Application for each affected unit.

United States
Environmental Protection Agency
Acid Rain Program

OMB No. 2060-0258
Approval expires 05/31/2025

Acid Rain Permit Application

For more information, see instructions and 40 CFR 72.30 and 72.31.

This submission is: ☐ **new** ☐ **revised** ■ **for ARP permit renewal**

STEP 1

Identify the facility name, State, and plant (ORIS) code.

Facility (Source) Name	State	Plant Code
Eagle Point Power Generation	NJ	50561

STEP 2

Enter the unit ID# for every affected unit at the affected source in column "a."

a	b
Unit ID#	Unit Will Hold Allowances in Accordance with 40 CFR 72.9(c)(1)
0001	Yes
0002	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes

Facility (Source) Name (from STEP 1): Eagle Point Power Generation

STEP 3

Read the standard requirements.

Permit Requirements

(1) The designated representative of each affected source and each affected unit at the source shall:
   (i) Submit a complete Acid Rain permit application (including a compliance plan) under 40 CFR part 72 in accordance with the deadlines specified in 40 CFR 72.30; and
   (ii) Submit in a timely manner any supplemental information that the permitting authority determines is necessary in order to review an Acid Rain permit application and issue or deny an Acid Rain permit;

(2) The owners and operators of each affected source and each affected unit at the source shall:
   (i) Operate the unit in compliance with a complete Acid Rain permit application or a superseding Acid Rain permit issued by the permitting authority; and
   (ii) Have an Acid Rain Permit.

Monitoring Requirements

(1) The owners and operators and, to the extent applicable, designated representative of each affected source and each affected unit at the source shall comply with the monitoring requirements as provided in 40 CFR part 75.

(2) The emissions measurements recorded and reported in accordance with 40 CFR part 75 shall be used to determine compliance by the source or unit, as appropriate, with the Acid Rain emissions limitations and emissions reduction requirements for sulfur dioxide and nitrogen oxides under the Acid Rain Program.

(3) The requirements of 40 CFR part 75 shall not affect the responsibility of the owners and operators to monitor emissions of other pollutants or other emissions characteristics at the unit under other applicable requirements of the Act and other provisions of the operating permit for the source.

Sulfur Dioxide Requirements

(1) The owners and operators of each source and each affected unit at the source shall:
   (i) Hold allowances, as of the allowance transfer deadline, in the source's compliance account (after deductions under 40 CFR 73.34(c)), not less than the total annual emissions of sulfur dioxide for the previous calendar year from the affected units at the source; and
   (ii) Comply with the applicable Acid Rain emissions limitations for sulfur dioxide.

(2) Each ton of sulfur dioxide emitted in excess of the Acid Rain emissions limitations for sulfur dioxide shall constitute a separate violation of the Act.

(3) An affected unit shall be subject to the requirements under paragraph (1) of the sulfur dioxide requirements as follows:
   (i) Starting January 1, 2000, an affected unit under 40 CFR 72.6(a)(2); or
   (ii) Starting on the later of January 1, 2000 or the deadline for monitor certification under 40 CFR part 75, an affected unit under 40 CFR 72.6(a)(3).

(4) Allowances shall be held in, deducted from, or transferred among Allowance Tracking System accounts in accordance with the Acid Rain Program.

(5) An allowance shall not be deducted in order to comply with the requirements under paragraph (1) of the sulfur dioxide requirements prior to the calendar year for which the allowance was allocated.

(6) An allowance allocated by the Administrator under the Acid Rain Program is a limited authorization to emit sulfur dioxide in accordance with the Acid Rain Program. No provision of the Acid Rain Program, the Acid Rain permit application, the Acid Rain permit, or an exemption under 40 CFR 72.7 or 72.8 and no provision of law shall be construed to limit the authority of the United States to terminate or limit such authorization.

(7) An allowance allocated by the Administrator under the Acid Rain Program does not constitute a property right.

Nitrogen Oxides Requirements

The owners and operators of the source and each affected unit at the source shall comply with the applicable Acid Rain emissions limitation for nitrogen oxides.

Facility (Source) Name (from STEP 1): Eagle Point Power Generation

STEP 3, Cont'd.

Excess Emissions Requirements

(1) The designated representative of an affected source that has excess emissions in any calendar year shall submit a proposed offset plan, as required under 40 CFR part 77.
(2) The owners and operators of an affected source that has excess emissions in any calendar year shall:
   (i) Pay without demand the penalty required, and pay upon demand the interest on that penalty, as required by 40 CFR part 77; and
   (ii) Comply with the terms of an approved offset plan, as required by 40 CFR part 77.

Recordkeeping and Reporting Requirements

(1) Unless otherwise provided, the owners and operators of the source and each affected unit at the source shall keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time prior to the end of 5 years, in writing by the Administrator or permitting authority:
   (i) The certificate of representation for the designated representative for the source and each affected unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation, in accordance with 40 CFR 72.24; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission of a new certificate of representation changing the designated representative;
   (ii) All emissions monitoring information, in accordance with 40 CFR part 75, provided that to the extent that 40 CFR part 75 provides for a 3-year period for recordkeeping, the 3-year period shall apply.
   (iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the Acid Rain Program; and,
   (iv) Copies of all documents used to complete an Acid Rain permit application and any other submission under the Acid Rain Program or to demonstrate compliance with the requirements of the Acid Rain Program.
(2) The designated representative of an affected source and each affected unit at the source shall submit the reports and compliance certifications required under the Acid Rain Program, including those under 40 CFR part 72 subpart I and 40 CFR part 75.

Liability

(1) Any person who knowingly violates any requirement or prohibition of the Acid Rain Program, a complete Acid Rain permit application, an Acid Rain permit, or an exemption under 40 CFR 72.7 or 72.8, including any requirement for the payment of any penalty owed to the United States, shall be subject to enforcement pursuant to section 113(c) of the Act.
(2) Any person who knowingly makes a false, material statement in any record, submission, or report under the Acid Rain Program shall be subject to criminal enforcement pursuant to section 113(c) of the Act and 18 U.S.C. 1001.
(3) No permit revision shall excuse any violation of the requirements of the Acid Rain Program that occurs prior to the date that the revision takes effect.
(4) Each affected source and each affected unit shall meet the requirements of the Acid Rain Program.
(5) Any provision of the Acid Rain Program that applies to an affected source (including a provision applicable to the designated representative of an affected source) shall also apply to the owners and operators of such source and of the affected units at the source.
(6) Any provision of the Acid Rain Program that applies to an affected unit (including a provision applicable to the designated representative of an affected unit) shall also apply to the owners and operators of such unit.
(7) Each violation of a provision of 40 CFR parts 72, 73, 74, 75, 76, 77, and 78 by an affected source or affected unit, or by an owner or operator or designated representative of such source or unit, shall be a separate violation of the Act.

Facility (Source) Name (from STEP 1)	Eagle Point Power Generation

STEP 3, Cont'd.

Effect on Other Authorities

No provision of the Acid Rain Program, an Acid Rain permit application, an Acid Rain permit, or an exemption under 40 CFR 72.7 or 72.8 shall be construed as:

(1) Except as expressly provided in title IV of the Act, exempting or excluding the owners and operators and, to the extent applicable, the designated representative of an affected source or affected unit from compliance with any other provision of the Act, including the provisions of title I of the Act relating to applicable National Ambient Air Quality Standards or State Implementation Plans;

(2) Limiting the number of allowances a source can hold; provided, that the number of allowances held by the source shall not affect the source's obligation to comply with any other provisions of the Act;

(3) Requiring a change of any kind in any State law regulating electric utility rates and charges, affecting any State law regarding such State regulation, or limiting such State regulation, including any prudence review requirements under such State law;

(4) Modifying the Federal Power Act or affecting the authority of the Federal Energy Regulatory Commission under the Federal Power Act; or,

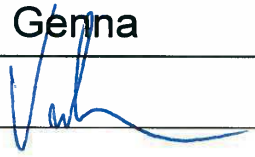
(5) Interfering with or impairing any program for competitive bidding for power supply in a State in which such program is established.

STEP 4

Certification

Read the certification statement, sign, and date.

I am authorized to make this submission on behalf of the owners and operators of the affected source or affected units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment.

Name	Vito Genna	
Signature		Date 2-5-23