



State of New Jersey

DEPARTMENT of ENVIRONMENTAL PROTECTION

Jon S. Corzine
Governor

Mark N. Mauriello
Acting Commissioner

Environmental Regulation
Bureau of Operating Permits
401 E. State Street, 2nd floor, P.O. Box 27
Trenton, NJ 08625-0027

Air Pollution Control Operating Permit Significant Modification and Preconstruction Approval

Permit Activity Number: BOP070001

Program Interest Number: 80293

Mailing Address	Plant Location
Mr. Elmer Liebsch, NORESKO Director of Operations 1 Research Drive Suite 400C Westborough, MA 01581	HUNTERDON COGENERATION LP Rte 513 Union Twp

Initial Operating Permit Approval Date: June 3, 1999

Significant Modification Approval Date:

Operating Permit Expiration Date: June 2, 2009

This significant modification is approved and issued under the authority of Chapter 106, P.L. 1967 (N.J.S.A. 26:2C-9.2). The equipment at the facility must be operated in accordance with the requirements of this permit.

This approval, in response to your application, merges the provisions of the previously approved operating permit and the changes from this significant modification into a single comprehensive permit that replaces the one previously issued. This significant modification revised Emission Unit U1 to reflect current NSPS Subpart GG, revised OS Summary Emission Unit U1 to indicate the monitoring of the water to fuel ratio limit of 0.76 pounds of water per pound of fuel be based on a 1-hour block average consistent with NSPS Subpart GG, revised Emission Unit U1 OS1 to increase hourly fuel limit based on correct heat input from original pre-construction permit, redefined start-up and shut-down in OS Summary Emission Unit U1, removed CEM requirements for the standby boilers in Emission Unit U2 based on summary of monitored concentration versus allowable concentration of last several years, revised all parts of the Operating Permit to indicate the use of low sulfur distillate fuel, updated Emission Unit U2 with current NSPS Subpart Dc, and updated all parts of the Operating Permit with current N.J.A.C. 7:27-19 (NOx RACT) requirements.

Equipment at the facility referenced by this significant modification **is covered by** the permit shield, pursuant to the provisions of N.J.A.C. 7:27-22.17. However, this permit shield does not cover physical changes which were undertaken at the facility after March 3, 2003 and for which the facility did not seek an applicability determination for the Prevention of Significant Deterioration rule, codified at 40 CFR 52.21 (PSD), from the United States Environmental Protection Agency (USEPA). The issuance of this permit should not in any way be construed as a determination by the Department that the PSD rules do not apply. Any questions on applicability of PSD should be directed to USEPA Region II, Air Compliance Branch, 21st Floor, 290 Broadway, New York, NY 10007-1866 (Phone: 212-637-4074). Pursuant to N.J.A.C. 7:27-22.33(e), this significant modification consists of both a preconstruction approval and operating permit approval. This operating permit does not include compliance schedules as part of the approved compliance plan.

The permittee shall submit to the Department and to the EPA on forms provided by the Department, at the addresses given below, a periodic compliance certification, in accordance with N.J.A.C. 7:27-22.19 and the schedule for compliance certifications set forth in the compliance plan in this operating permit. The annual compliance certification reporting period will cover the calendar year ending December 31. **The annual compliance certification is due to the Department and the EPA within 60 days after the end of each calendar year during which this permit was in effect.** Forms provided by the Department can be found on the Department's website at: <http://www.nj.gov/dep/enforcement/compliancecertsair.htm>.

The annual compliance certification report may also be considered as your six month deviation report for the period from July 1 through December 31 which is due by January 30 of each year, as required by paragraph 13 in Section F, *General Provisions and Authorities*, of this permit, if the annual compliance certification is submitted by January 30.

New Jersey Department of Environmental Protection
Air & Environmental Quality Compliance & Enforcement
401 East State Street, P. O. Box 422
Trenton, New Jersey 08625-0422

United States Environmental Protection Agency, Region II
Air Compliance Branch
290 Broadway
New York, New York 10007-1866

New Jersey Department of Environmental Protection
Air and Environmental Quality Compliance & Enforcement
Northern Regional Enforcement Office
7 Ridgedale Ave.
Cedar Knolls, New Jersey 07927

We are including two electronic files, PDF and RADIUS. The PDF file contains the complete operating permit for your facility. The RADIUS file contains the Facility Name, Location, and Contact Information; the Facility Specific Requirements (Compliance Plan) and Inventories; and any Compliance Schedules (if needed). Upon importing this information into your personal computer with RADIUS software, you will have up-to-date information in RADIUS format. RADIUS software, instructions, and help are available at the Department's website at www.state.nj.us/dep/aqpp. We also have an Operating Permit Help Line available from 9:00 AM to 4:00 PM daily, where you may speak to someone about any questions you may have. The Operating Permit Help Line number is 609-633-8248.

If, in your judgment, the Department is imposing any unreasonable condition of approval in this permit modification action, you may contest the Department's decision on the modification 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 requested in N.J.A.C. 7:27-1.32 and the information on the enclosed Administrative Hearing Request Checklist and Tracking Form.

The permittee is responsible for submitting a timely and administratively complete operating permit renewal application. 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, an application for renewal of the operating permit shall include all of the 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 the Department can notify the applicant of any deficiencies in the application. This will allow the permittee to correct any deficiencies, and to better ensure that the application is administratively complete by the renewal deadline. Only applications which are timely and administratively complete will be eligible for coverage by an application shield. The renewal application can be found at our website, <http://www.state.nj.us/dep/aqpp/downloads/forms/OPRenewal.PDF>.

Permittees 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. Details of the rule and guidance on how to prepare a plan can be found at EPA's website: www.epa.gov/ttn/emc/cam.html. In addition, CAM Plans must be included as part of the permit renewal application. Permittees that do not submit a CAM Plan may have their modification applications denied, pursuant to N.J.A.C. 7:27-22.3.

If you have any questions regarding this permit approval, please call your permit writer, Steven Jenks, at (609) 292-1923.

Approved by:

Kevin Greener
Bureau of Operating Permits

Enclosure

CC: S. Riva, USEPA Region II (diskette containing final permit)
S. Jenks (w/o enclosure)
Northern Regional Enforcement Office (w/o enclosures)
Wally Sloyer, Plant Manager (w/o enclosures)
Keith Ocheski, CEM Service Group, Inc. (w/o enclosures)

Administrative Hearing Request Checklist and Tracking Form

I. Document Being Appealed

Name of the Facility	Program Interest (PI) Number	Permit Activity Number	Issuance Date
HUNTERDON COGENERATION LP	80293	BOP070001	

II. Contact Information

Name of Person Requesting Hearing	Name of Attorney (if applicable)
Address:	Address:
Telephone:	Telephone:

III. Please include the following information as part of your request:

- A. The date the permittee received the permit decision,
- B. Two printed copies of the document being appealed – for submitting to address 1 below; A PDF copy of the document being appealed on a CD – for submitting to address 2 below;
- C. The legal and factual questions you are appealing;
- D. A statement as to whether or not you raised each legal and factual issues during the permit application process;
- E. Suggested revised or alternative permit conditions;
- F. An estimate of the time required for the hearing;
- G. A request, if necessary, for a barrier-free hearing location for physically disabled persons;
- H. A clear indication of any willingness to negotiate a settlement with the Department prior to the Departments processing of your hearing request to the Office of Administrative Law;

Mail this form, completed, signed and dated with all of the information listed above, including attachment, to:

1. New Jersey Department of Environmental Protection
Office of Legal Affairs
Attention: Adjudicatory Hearing Requests
401 E. State Street, P.O. Box 402
Trenton, New Jersey 08625-0402

2. Mr. Robert Esposito
Air Quality Permitting Element
New Jersey Department of Environmental Protection
401 E. State Street, 2nd Floor, P.O. Box 027
Trenton, New Jersey 08625-0027
Phone: (609) 633-2829

Signature

Date

Administrative Hearing Request Checklist and Tracking Form

IV. If you are not the applicant but rather an interested person claiming to be aggrieved by the permit decision, please include the following information:

1. The date you or your agent received notice of the permit decision (include a copy of that permit decision with your hearing request);
2. Evidence that a copy of the request has been delivered to the applicant for the permit which is the subject of the permit decision;
3. A detailed statement of which findings of fact and/or conclusion of law you are challenging;
4. A description of your participation in any public hearings held in connection with the permit application and copies of any written comments you submitted;
5. Whether you claim a statutory or constitutional right to a hearing, and, if you claim such a right, a reference to the applicable statute or explanation of how your property interests are affected by the permit decision;
6. If the appeal request concerns a CAFRA permit decision, evidence that a copy of the request has been delivered to the clerks of the county and the municipality in which the project which is the subject of the permit decision is located;
7. Suggested revised or alternative permit conditions;
8. An estimate of the time required for the hearing;
9. A request, if necessary, for a barrier-free hearing location for physically disable persons;
10. A clear indication of any willingness to negotiate a settlement with the Department prior to the Department's transmittal of the hearing request to the Office of Administrative Law;

Mail this form, completed, signed and dated with all of the information listed above, including attachment, to:

1. New Jersey Department of Environmental Protection
Office of Legal Affairs
Attention: Adjudicatory Hearing Requests
401 East State Street, P.O. Box 402
Trenton, New Jersey 08625-0402

3. Mr. Robert Esposito
Air Quality Permitting Element
New Jersey Department of Environmental Protection
401 E. State Street, 2nd Floor, P.O. Box 027
Trenton, New Jersey 08625
Phone: (609) 633-2829

Signature

Date

Facility Name: HUNTERDON COGENERATION LP
Program Interest Number: 80293
Permit Activity Number: BOP070001

TABLE OF CONTENTS

Section A

REASON FOR PERMIT

Section B

DEFINITIONS

Section C

POLLUTANT EMISSIONS SUMMARY

Section D

POLLUTION PREVENTION REPORTING

Section E

GENERAL PROVISIONS AND AUTHORITIES

Section F

STATE-ONLY APPLICABLE REQUIREMENTS

Section G

COMPLIANCE PLAN AND INVENTORIES

Section A

Facility Name: HUNTERDON COGENERATION LP
Program Interest Number: 80293
Permit Activity Number: BOP070001

REASON FOR PERMIT

The reason for issuance of this permit is to comply with the air pollution control permit provisions of Title V of the federal Clean Air Act, federal rules promulgated at 40 CFR 70, and state regulations promulgated at N.J.A.C. 7:27-22, which requires the state to issue operating permits to major facilities and minor facilities that are in certain designated source categories. This is the operating permit for the facility listed on the cover page, which includes a significant modification to revise Emission Unit U1 to reflect current NSPS Subpart GG, revise OS Summary Emission Unit U1 to indicate the monitoring of the water to fuel ratio limit of 0.76 pounds of water per pound of fuel be based on a 1-hour block average consistent with NSPS Subpart GG, revise Emission Unit U1 OS1 to increase hourly fuel limit based on correct heat input from original pre-construction permit, redefine start-up and shut-down in OS Summary Emission Unit U1, remove CEM requirements for the standby boilers in Emission Unit U2 based on summary of monitored concentration versus allowable concentration of last several years, revise all parts of the Operating Permit to indicate the use of low sulfur distillate fuel, update Emission Unit U2 with current NSPS Subpart Dc, and update all parts of the Operating Permit with current N.J.A.C. 7:27-19 (NOx RACT) requirements.

New Jersey has elected to integrate its Title I New Source Review (NSR) preconstruction permits with the new Title V operating permits instead of issuing separate permits. Consequently, the existing preconstruction permit provisions that were previously approved for this facility have been consolidated into this permit. This permit may also include applicable requirements for grandfathered sources.

This permit action consolidates previously approved permit terms and conditions into one single permit for the facility. The New Jersey Department of Environmental Protection (Department) issues this operating permit authorizing the facility to operate equipment and air pollution control devices. In the operating permit application, the facility represented that it meets all applicable requirements of the federal Clean Air Act and the New Jersey Air Pollution Control Act codified at N.J.S.A. 26:2C. Based on an evaluation of the data contained in the facility's application, the Department has approved this operating permit.

This permit allows this facility to operate the equipment and air pollution control devices specified in this permit and emit up to a level specified for each source operation. The signatories named in the application are responsible for ensuring that the facility is operated in a manner consistent with this permit, its conditions, and applicable rules.

Section B

Facility Name: HUNTERDON COGENERATION LP
Program Interest Number: 80293
Permit Activity Number: BOP070001

DEFINITIONS

The terms used in this permit are used consistent with the definitions at N.J.A.C. 7:27-1 and N.J.A.C. 7:27-22. Any terms defined in this section are not defined at N.J.A.C. 7:27-1 or N.J.A.C. 7:27-22, and are needed for clarifying the permit.

“Permitting Authority” means the New Jersey Department of Environmental Protection (NJDEP).

“The EPA,” or the “Administrator,” means the Administrator of the EPA or his designee.

“M” preceding a unit of measure means one thousand. For example, “10 M gal.” means ten thousand gallons.

“MM” preceding a unit of measure means one million. For example, “10 MM gal.” means ten million gallons.

“Grandfathered” means, in reference to equipment or control apparatus, that construction, reconstruction, or modification occurred prior to enactment of N.J.S.A. 26:2C-9.2 on June 15, 1967, or prior to the subsequent applicable revisions to rules and regulations codified at N.J.A.C. 7:27-8 that occurred March 5, 1973, June 1, 1976, April 5, 1985, and October 31, 1994, and no construction, reconstruction, or modification of the equipment or control apparatus has occurred since.

“Compliance Plan” means the applicable requirements, monitoring requirements, recordkeeping requirements, and submittal/action requirements detailed in Section J, Facility Specific Requirements, of the operating permit.

Section C

Facility Name: HUNTERDON COGENERATION LP
Program Interest Number: 80293
Permit Activity Number: BOP070001

POLLUTANT EMISSIONS SUMMARY

The following table indicates the facility's Potential to Emit (PTE) emissions summary:

Source Categories	Facility Total Potential to Emit (tons per year)								
	Primary						Secondary		
	VOC (total)	NO _x	CO	SO ₂	TSP (total)	Other (total)	PM ₁₀ (total)	Pb	HAPs (total)
Emission Unit Summary	7.43	76.72	44.27	7.733	5.19	NA	5.19	NA	NA
Batch Process Summary	NA	NA	NA	NA	NA	NA	NA	NA	NA
Non-Source Fugitive Emissions ¹	NA	NA	NA	NA	NA	NA	NA	NA	NA
Group Summary	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Emissions ²	7.43	76.72	44.27	7.733	5.19	NA	5.19	NA	NA

VOC Volatile Organic Compounds

NO_x Nitrogen Oxides

CO Carbon Monoxide

SO₂ Sulfur Dioxide

TSP Total Suspended Particulates

Other Any other air contaminant regulated under the Federal Clean Air Act

PM₁₀ Particulates under 10 microns

Pb Lead

HAPs Hazardous Air Pollutants

¹ Not applicable to this facility.

² Total emissions from this facility do not include emissions from Insignificant Sources.

Section C

Facility Name: HUNTERDON COGENERATION LP

Program Interest Number: 80293

Permit Activity Number: BOP070001

POLLUTANT EMISSIONS SUMMARY

The following table indicates the facility's hazardous air pollutants (HAP) emissions summary:³

HAP	TPY

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

Section D

Facility Name: HUNTERDON COGENERATION LP
Program Interest Number: 80293
Permit Activity Number: BOP070001

POLLUTION PREVENTION REPORTING

General Pollution Prevention Conditions

The following evaluation requirements are included to track the facility's progress in several critical areas identified in the National Environmental Performance Partnership System (NEPPS). Nitrogen Oxides (NO_x) and Volatile Organic Compounds (VOC) are precursors to the air pollutant Ozone, for which New Jersey is non-attainment with the air quality standard for the protection of public health. The control of hazardous air pollutants (HAPs) is also a focus item for the next decade in order to minimize localized hot spots and general urban air toxics levels. Therefore, the Department is requiring evaluation of emission trends at 5-year intervals for major sources of these air contaminants. Also, as part of significant modification applications, proposed major increases of these air contaminants require evaluation of pollution prevention and cross media effects.

The evaluation of these trends requires no increased monitoring. Rather it utilizes existing monitoring data, as reported annually in Emission Statements (for NO_x and VOC) and annual Release and Pollution Prevention Reports (for HAPs). The intent of this evaluation is to better utilize the existing data by having the company, the public and the Department review major source trends periodically, as part of the 5-year renewal review and public comment process. The Department requests that the facility-wide trends be presented on graphs for attachment to the public information document for the 5-year renewal.

Pollution prevention includes changes that result in the reduction in use or generation of non-product output per unit of product. Cross media effects are practices that result in transferring the ultimate release or disposal of a contaminant from one environmental medium (e.g. air) to another environmental medium (e.g. water, solid or hazardous wastes).

Information to include with the renewal application:

1. The facility will evaluate annual emission trends over the last five years for actual air contaminant emissions of Volatile Organic Compounds (VOC), Nitrogen Oxides (NO_x), if the facility's potential to emit VOC or NO_x is greater than 25 tons per year, or any Hazardous Air Pollutants (HAP), for which the facility's potential to emit is greater than 10 tons per year. The VOC and NO_x emission data should reflect annual emission statement reports submitted pursuant to N.J.A.C. 7:27-21, and the HAP emissions data should reflect the annual Release and Pollution Prevention Report submitted pursuant to N.J.A.C. 7:1G-4 and 5 and N.J.A.C. 7:1K-6. Although not required, the Department encourages the facility to explain the reason for any significant trend, including whether it is the result of cross media shifts (to air, water, or solid waste) and/or pollution prevention. Changes should be itemized for each emission unit (or process) with a potential to emit over five tons per year of VOC or NO_x or a potential to emit over one ton per year of any HAP. Also, show the net change for the facility.
2. The facility will summarize annual potential to emit limits (allowable emissions) for VOC, NO_x, and HAPs, which are subject to reporting under 1 above, for the last five years. Changes should be itemized for each emission unit (or process) with a potential to emit over five tons per year of VOC or NO_x or a potential to emit over one ton per year of any HAP. Also, show the net change for the facility.
3. The facility will summarize five-year trends in annual VOC, NO_x, and HAP emissions, which are subject to reporting under 1 above, on a pound per unit of product basis, based on annual actual emissions and annual production over the five year period. Changes should be itemized for each emission unit (or

process) with a potential to emit over five tons per year of VOC or NOx or a potential to emit over one ton per year of any HAP. Also, show the net change for the facility.

4. The facility will discuss five-year trends in actual air contaminant emissions of non-source VOC and HAP fugitives, which are subject to reporting under 1 above; explain measures taken to minimize such fugitives; and provide an explanation for any significant changes.

Information to include with an application for a Significant Modification to this permit:

1. For any significant modifications, the facility is encouraged to explain any cross media shifts of VOC and HAP air contaminants as part of the significant modification application. If an explanation is provided, the facility should identify the pollutant and the specific environmental media to which the pollutant is anticipated to be transferred, whether it be from air to solid waste or water, or from water or solid waste to the air.

Section E

Facility Name: HUNTERDON COGENERATION LP
Program Interest Number: 80293
Permit Activity Number: BOP070001

GENERAL PROVISIONS AND AUTHORITIES

Operating Permits

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. Conditions 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:

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

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

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

3. The permittee shall comply with all conditions of the operating permit including the approved compliance plan. Any non-compliance with a permit condition constitutes a violation of the New Jersey Air Pollution Control Act N.J.S.A. 26:2C-1 et seq., or the CAA, 42 U.S.C. §7401 et seq., or both, and is grounds for enforcement action; for termination, revocation and reissuance, or for modification of the operating permit; or for denial of an application for a renewal of the operating permit. [N.J.A.C. 7:27-22.16(g)1]
4. It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of its operating permit. [N.J.A.C. 7:27-22.16(g)2]

5. This operating permit may be modified, terminated, or revoked for cause by the EPA pursuant to 40 CFR 70.7(g) and revoked or reopened and modified for cause by the Department pursuant to N.J.A.C. 7:27-22.25. [N.J.A.C. 7:27-22.16(g)3]
6. The permittee shall furnish to the Department, within a reasonable time, any information that the Department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this operating permit; or to determine compliance with the operating permit. [N.J.A.C. 7:27-22.16(g)4]
7. The filing of an application for a modification of an operating permit, or of a notice of planned changes or anticipated non-compliance, does not stay any operating permit condition. [N.J.A.C. 7:27-22.16(g)5]
8. The operating permit does not convey any property rights of any sort, or any exclusive privilege. [N.J.A.C. 7:27-22.16(g)6]
9. Upon request, the permittee shall furnish to the Department copies of records required by the operating permit to be kept. [N.J.A.C. 7:27-22.16(g)7]
10. The Department and its authorized representatives shall have the right to enter and inspect any facility 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]
11. 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]
12. 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)]
13. In accordance with N.J.A.C. 7:27-22.19(c) and 22.19(d) 3, each permittee shall submit to the Department, on forms provided by the Department, a six month deviation report relating to testing and monitoring required by the operating permit, not including information for testing and monitoring which have other reporting schedules specified in the permit. Normally, stack testing reporting is submitted within 45 days of test completion and continuous monitoring reporting is done quarterly. The six month report must address other specified monitoring, including, but not limited to, continuous and periodic monitoring data required by this permit. (See column two and three entitled "Monitoring Requirement" and "Recordkeeping Requirement," respectively, in the Facility Specific Requirement Section of this permit.). The six month reports for the testing and monitoring performed from January 1 through June 30, shall be reported by July 30 of the same calendar year; or from July 1 through December 31, shall be reported by January 30 of the following calendar year. Pursuant to N.J.A.C. 7:27-22.19(e), these six month reports shall clearly identify all deviations from operating permit requirements, the probable cause of such deviations, and any corrective actions taken. Any "None" listed in the Submittal/Action Requirement in the operating permit is not intended to override the six-month deviation report. The report shall be certified pursuant to N.J.A.C. 7:27-1.39 by a responsible official. Forms provided by the Department can be found on the Department's web site at: <http://www.nj.gov/dep/enforcement/compliancecertsair.htm>. [N.J.A.C. 7:27-22.19(d) 3 and N.J.A.C. 7:27-22.19(e)]

An annual compliance certification required by paragraph 2 above and required by N.J.A.C. 7:27-19(f) may also be considered as your six month deviation report for the period from July 1 through December 31 which is due by January 30 of each year if the annual compliance certification is submitted by January 30.

14. For emergencies (as defined at 40 CFR 70.6(g)(1)) that result in non-compliance with any promulgated federal technology-based standard such as NSPS, NESHAPS, or MACT, a federal affirmative defense is available, pursuant to 40 CFR 70. To assert a federal affirmative defense, the permittee must use the procedures set forth in 40 CFR 70. The affirmative defense provisions described in 15 below may not be applied to any situation that caused the Facility to exceed any federally delegated regulation, including but not limited to NSPS, NESHAP, or MACT.

15. For situations other than those covered by 14 above, an affirmative defense is available for a violation of a provision or condition of the operating permit only if:
 - i. The violation occurred as a result of an equipment malfunction, an equipment start-up or shutdown, or during the performance of necessary equipment maintenance; and
 - ii. The affirmative defense is asserted and established as required by N.J.S.A. 26:2C-19.1 through 19.5 and any implementing rules. [N.J.A.C. 7:27-22.16(l)]
16. Each permittee shall meet all requirements of the approved source emissions testing and monitoring protocol during the term of the operating permit. [N.J.A.C. 7:27-22.18(j)]

The following paragraphs of this section are included for the permittee's convenience to remind them of their obligations with certain key applicable requirements. These paragraphs are not enforceable since they paraphrase areas of the operating permits rule. Also, these paragraphs do not reference all the applicable requirements with which the permittee must comply.

17. 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.
18. In the event of a challenge to any part of this operating permit, all other parts of the permit shall continue to be valid.
19. 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, unless emission of the air contaminant is authorized by this operating permit.
20. 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.
21. 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.
22. The permittee shall file a timely and complete application for:
 - Administrative Amendments;
 - Seven-Day-Notice changes;
 - Minor Modifications;
 - Significant Modifications; and
 - Renewals.
23. Process monitors must be operated at all times when the associated process equipment is operating except during outage time allowed by Department guidelines/procedures or as outlined in Technical Manual 1005. The permittee must keep a service log as required.

Section F

Facility Name: HUNTERDON COGENERATION LP

Program Interest Number: 80293

Permit Activity Number: BOP070001

STATE-ONLY APPLICABLE REQUIREMENTS

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

STATE-ONLY APPLICABLE REQUIREMENTS

The following applicable requirements are not federally enforceable:

<u>SECTION</u>	<u>SUBJECT ITEM</u>	<u>ITEM #</u>	<u>REF. #</u>
E	---	15	---
G	FC	---	3
G	FC	---	10

Section G

Facility Name: HUNTERDON COGENERATION LP

Program Interest Number: 80293

Permit Activity Number: BOP070001

COMPLIANCE PLAN AND INVENTORIES

- FACILITY SPECIFIC REQUIREMENTS – PAGE INDEX
- FACILITY SPECIFIC REQUIREMENTS (COMPLIANCE PLAN)
- FACILITY PROFILE (ADMINISTRATIVE INFORMATION)
- REASON FOR APPLICATION
- INSIGNIFICANT SOURCE EMISSIONS
- EQUIPMENT INVENTORY
- EQUIPMENT DETAILS
- EMISSION POINT INVENTORY
- EMISSION UNIT/BATCH PROCESS INVENTORY
- SUBJECT ITEM GROUP INVENTORY

Facility Name: HUNTERDON COGENERATION LP
Program Interest Number: 80293
Permit Activity Number: BOP070001

FACILITY SPECIFIC REQUIREMENTS – PAGE INDEX

<u>Subject Item and Name</u>	<u>Page Number</u>
<u>Facility (FC):</u>	
FC	1
<u>Insignificant Equipment (IS):</u>	
IS1 – Two Fuel Oil Storage Tanks ((20,000 gallons each)	6
<u>Emission Units (U):</u>	
U1 – Gas Turbine – Natural Gas or #2 Fuel Oil	8
U2 – Standby Boilers 1 & 2 – Natural Gas or #2 Fuel Oil	31
U4 – Backup Diesel Generator	43

BOP070001

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: Defines numerous terms used in N.J.A.C. 7:27. Specifies procedures for making confidentiality claims, certifying applications, reports, and other documents to the Department, and requesting adjudicatory hearings and stays of the effective date of departmental decisions. Also, provides provisions regarding applicability, severability, and liberal construction of N.J.A.C. 7:27. [N.J.A.C. 7:27- 1]	None.	None.	None.
2	Control and Prohibition of Open Burning: Prohibits any person 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: Notwithstanding compliance with other subchapters of N.J.A.C. 7:27, no person shall suffer, allow, or permit to be emitted into the outdoor atmosphere substances in quantities that result in air pollution as defined at N.J.A.C. 7:27-5.1. Applicable to all facilities located in New Jersey. [N.J.A.C. 7:27- 5]	None.	None.	None.
4	Prevention and Control of Air Pollution Control Emergencies: Requires that written Standby Plans, consistent with good industrial practice and safe operating procedures, be prepared for reducing the emission of air contaminants during periods of an air pollution alert, warning, or emergency. Any person responsible for the operation of a source of air contamination 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]

BOP070001

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
5	Emission Offsets Rules. [N.J.A.C. 7:27-18]	Other: When applying for minor/significant modification, demonstrate compliance with this applicable requirement which may call for specific monitoring and/or recordkeeping activities. [N.J.A.C. 7:27-18].	Other: When applying for minor/significant modification, demonstrate compliance with this applicable requirement which may call for specific monitoring and/or recordkeeping activities. [N.J.A.C. 7:27-18].	Comply with the requirement: Upon occurrence of event. Submit an administratively complete application when applying for a minor modification pursuant to N.J.A.C. 7:27-22.23 or a significant modification pursuant to N.J.A.C. 7:27-22.24. [N.J.A.C. 7:27-22]
6	Emissions Statements: Submit an annual emission statement (if required) electronically to the NJDEP by May 15 of each year (or by mutually agreed upon date, but no later than June 15 of each year). [N.J.A.C. 7:27-21]	Other: The emission statement will be based on monitoring, recording and recordkeeping of actual emissions, capture and control efficiencies, process rate and operating data for source operations with the potential to emit certain air contaminants. [N.J.A.C. 7:27-21].	Other: The emission statement and all supporting records shall be maintained on the operating premises for a period of five (5) years from the due date of each emission statement. [N.J.A.C. 7:27-21].	Submit an Annual Emission Statement: Annually (if required) electronically by May 15 or by any mutually agreed upon date, but not later than June 15 of each year. [N.J.A.C. 7:27-21]
7	Compliance Certification: Submit annual compliance certification for each applicable requirement, pursuant to N.J.A.C. 7:27-22.19(f), within 60 days after the end of each calendar year during which this permit was in effect. [N.J.A.C. 7:27-22]	None.	None.	Submit an Annual Compliance Certification: Annually to the Department and EPA on forms provided by the Department within 60 days after the end of each calendar year during which this permit was in effect. The annual compliance certification reporting period will cover the calendar year ending December 31. Forms provided by the Department can be found on the Department's web site at the following link: http://www.nj.gov/dep/enforcement/compliancecertsair.htm [N.J.A.C. 7:27-22]
8	Prevention of Air Pollution from Architectural Coatings and Consumer Products. [N.J.A.C. 7:27-23]	None.	None.	None.
9	For equipment subject to NOx Budget Program, comply with N.J.A.C. 7:27-31. [N.J.A.C. 7:27-31]	Other: See N.J.A.C. 7:27-31. [N.J.A.C. 7:27-31].	Other: See N.J.A.C. 7:27-31. [N.J.A.C. 7:27-31].	Comply with the requirement: Upon occurrence of event. [N.J.A.C. 7:27-31]
10	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)]

BOP070001

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
11	Prevention of Significant Deterioration (PSD). [40 CFR 52.21]	Other: When applying for minor/significant modification, demonstrate compliance with this applicable requirement which may call for specific monitoring and/or recordkeeping activities. [40 CFR 52.21].	Other: When applying for minor/significant modification, demonstrate compliance with this applicable requirement which may call for specific monitoring and/or recordkeeping activities. [40 CFR 52.21].	Comply with the requirement: Upon occurrence of event. If subject to PSD, the permittee shall submit an administratively complete application when applying for a significant modification pursuant to N.J.A.C. 7:27-22.24. [N.J.A.C. 7:27-22]
12	National Emission Standards for Hazardous Air Pollutants (NESHAPS) for Asbestos. [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 61.145 and 61.150 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 61.145 and 61.150 when conducting any renovation or demolition activities at the facility. [40 CFR 61]
13	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]

BOP070001

New Jersey Department of Environmental Protection
 Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
14	<p>Deviation Report: In accordance with N.J.A.C. 7:27-22.19(c) and 22.19(d)3, the permittee shall submit to the Department, on forms provided by the Department, a certified six-month deviation report relating to testing and monitoring required by the operating permit, not including information for stack emissions testing or continuous emissions monitoring which have other reporting schedules specified in the permit (normally, stack test report is submitted within 45 days of test completion and continuous monitor reporting is done quarterly). Pursuant to N.J.A.C. 7:27-22.19(e), the six-month report must address other specified monitoring, including continuous and periodic monitoring requirements found in column 2 and 3, entitled "Monitoring Requirement" and "Recordkeeping Requirement," respectively, of the Facility Specific Requirements section of this permit. These six-month reports shall clearly identify all deviations from operating permit requirements, the probable cause of such deviations, and any corrective actions or preventive measures taken. If no deviations occurred, the report should say so. Any "None" listed in the Submittal/Action Requirement in the Operating Permit is not intended to override the six-month deviation report. [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)]</p>	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)].	<p>Submit a report: As per the approved schedule. The six-month reports for other specified testing or monitoring required by the operating permit performed from January 1 through June 30 shall be submitted by July 30 of the same calendar year, and from July 1 through December 31, shall be submitted by January 30 of the following calendar year. The report shall be submitted to the Regional Enforcement Office and shall be certified pursuant to N.J.A.C. 7:27-1.39 by the responsible official. Forms provided by the Department can be found on the Department's web site at the following link: http://www.nj.gov/dep/enforcement/compliancecertsair.htm [N.J.A.C. 7:27-22]</p>
15	<p>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]</p>	None.	None.	<p>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)]</p>

BOP070001

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
16	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 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]
17	For equipment subject to Clean Air Interstate Rule (CAIR) NOx Trading Program, comply with N.J.A.C. 7:27-30. [N.J.A.C. 7:27-30]	Other: See N.J.A.C. 7:27-30. [N.J.A.C. 7:27-30].	Other: See N.J.A.C. 7:27-30. [N.J.A.C. 7:27-30].	Comply with the requirement: Upon occurrence of event. [N.J.A.C. 7:27-30]
18	For equipment subject to CO2 Budget Trading Program, comply with N.J.A.C. 7:27C. [N.J.A.C. 7:27C]	Other: See N.J.A.C. 7:27C. [N.J.A.C. 7:27C].	Other: See N.J.A.C. 7:27C. [N.J.A.C. 7:27C].	Comply with the requirement: Upon occurrence of event. [N.J.A.C. 7:27C]

BOP070001

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

Subject Item: IS1 Two Fuel Oil Storage Tanks (20,000 Gallons each)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	The operating temperature shall not be greater than 350 degrees F. [N.J.A.C. 7:27-22.1]	None.	None.	None.
2	The vapor pressure of the liquid, excluding the vapor pressure of water, shall be less than 0.02 psia at the liquid's actual temperature or at 70 degrees F, whichever is higher. [N.J.A.C. 7:27-22.1]	None.	None.	None.
3	The tank or vessel shall have no visible emissions, exclusive of water vapor, to the outdoor atmosphere. [N.J.A.C. 7:27-22.1]	None.	None.	None.
4	The tank or vessel shall not emit any air contaminants which may cause an odor detectable outside the property boundaries of the facility. [N.J.A.C. 7:27-22.1]	None.	None.	None.
5	The tank or vessel shall not be subject to any NESHAPS, MACT, or NSPS air pollution control standards, excluding the NSPS requirements to maintain a record of the contents of the tank or vessel, the period of storage of these contents, and the maximum true vapor pressure of the liquid stored. [N.J.A.C. 7:27-22.1]	None.	None.	None.
6	The tank's or vessel's potential to emit each TXS and each HAP does not exceed the de minimus reporting thresholds as specified in N.J.A.C. 7:27-22, Appendix. [N.J.A.C. 7:27-22.1]	None.	None.	None.
7	The percentage by weight of all HAPs collectively in the raw material stored in the tank, or mixed or blended in the vessel, is less than 1.0 percent. [N.J.A.C. 7:27-22.1]	None.	None.	None.

BOP070001

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

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

BOP070001

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

Emission Unit: U1 A dual-fired gas turbine is used to produce electricity and steam.

Operating Scenario: OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	<p>Conduct a comprehensive stack test at emission point PT1 at least 18 months prior to the expiration of the approved operating permit to demonstrate compliance with the NOx and CO (natural gas and #2 fuel oil firing) and VOC, TSP and PM-10 (#2 fuel oil firing only) emission limits.</p> <p>Testing must be conducted at worst-case permitted operating conditions with regard to meeting the applicable emission standards, but without creating an unsafe condition. [N.J.A.C. 7:27-22.16(a)]</p>	<p>Monitored by stack emission testing prior to permit renewal. Unless otherwise approved in the stack test protocol or by the Department, each test run shall be 60 minutes in sampling duration. Stack test shall be conducted for VOC, NOx, CO, TSP, and PM-10 emissions. [N.J.A.C. 7:27-22.16(o)]</p>	<p>Recordkeeping by stack test results upon occurrence of event. [N.J.A.C. 7:27-22.16(o)]</p>	<p>Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. Submit a stack test protocol to the Bureau of Technical Services (BTS) at PO Box 437, Trenton, NJ 08625 at least 30 months prior to the expiration of the approved operating permit.</p> <p>Within 30 days of protocol approval, the permittee must contact BTS at 609-530-4041 to schedule a mutually acceptable test date. A full stack test report must be submitted to BTS and a certified summary test report, as described in the protocol, 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.</p> <p>A copy of the certified summary test results must be submitted with the operating permit renewal application due at least 12 months prior to expiration of the Operating Permit. [N.J.A.C. 7:27-22.18(e)] and. [N.J.A.C. 7:27-22.18(h)]</p>

BOP070001

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
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]	Other: Visual determination. Each week when burning #2 fuel oil and none for natural gas. The permittee shall conduct visual opacity inspections during daylight hours. Visual inspections shall consist of a visual survey to identify if the stack has visible emissions, (other than condensed water vapor), greater than the prescribed standard. If visible emissions are observed, the permittee shall do the following: (1) Verify that the equipment and/or control device causing the emission is operating according to manufacturers specifications and the operating permit compliance plan. If the equipment or control device is not operating properly, the permittee shall take corrective action immediately to eliminate the excess emissions. The permittee must report any permit violation to NJDEP pursuant to N.J.A.C. 7:27-22.19. (2) If the corrective action in step one does not correct the opacity problem within 24 hours, the permittee shall perform a check via a certified opacity reader, in accordance with N.J.A.C. 7:27B-2. Such a test shall be conducted once per day until corrective action is taken to successfully correct the opacity problem. The permittee must report any continuing permit violation to NJDEP pursuant to N.J.A.C. 7:27-22.19.[N.J.A.C. 7:27-22.16(o)].	Other: Manual logging of visual observations in a logbook or electronic storage in readily available computer files. Each week when burning #2 fuel oil and none for natural gas. The permittee must retain the following records; (1) Date and time of inspection; (2) Emission Point number; (3) Operational status of equipment; (4) Observed results and conclusions; (5) Description of corrective action taken if needed; (6) Date and time that the opacity problem was solved, if applicable; (7) N.J.A.C. 7:27B-2 results if conducted; and (8) Name of person(s) conducting inspection.[N.J.A.C. 7:27-22.16(o)].	Other (provide description): Upon occurrence of event the permittee must report any permit violation to NJDEP pursuant to N.J.A.C. 7:27-22.19. [N.J.A.C. 7:27-22.16(o)]
3	Opacity <= 10 % , exclusive of visible condensed water vapor, except for a period of not longer than 10 consecutive seconds, except during startup, shutdown and fuel transfer. [N.J.A.C. 7:27-22.16(e)]	Other: Visual determination. Each week when burning #2 fuel oil and none for natural gas. (See Monitoring Requirement for Ref. # 2 above)[N.J.A.C. 7:27-22.16(e)].	Other: Manual logging of visual observations in a logbook or electronic storage in readily available computer files. Each week when burning #2 fuel oil and none for natural gas. (See Recordkeeping Requirement for Ref. # 2 above)[N.J.A.C. 7:27-22.16(e)].	Other (provide description): Upon occurrence of event the permittee must report any permit violation to NJDEP pursuant to N.J.A.C. 7:27-22.19. [N.J.A.C. 7:27-22.16(e)]
4	Opacity <= 20 % , exclusive of visible condensed water vapor during startup, shutdown and transfer periods. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

BOP070001

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
5	<p>The owner or operator shall develop a QA/QC plan for all CEMS/COMS required by this permit. This QA/QC plan shall incorporate at a minimum those procedures outlined in 40 CFR, Part 60, Appendix F and/or 40 CFR, Part 75, Appendix B for CEMS and those procedures outlined in 40 CFR, Part 60, Appendix B, Specification One and 40 CFR, Part 51, Proposed RM 203 for COMS, published Department Technical Manuals or other procedures approved in writing by the Department. The QA/QC plan shall designate a coordinator for the facility who is responsible to ensure that the QA/QC plan is implemented. The Department reserves the right to require the QA/QC plan to be revised at any time based on the results of quarterly EEMPR reviews, inspections, audits or any other information available to the Department. All procedures outlined in the QA/QC plan shall commence upon the completion date of the PST. All redundant CEMS/COMS must undergo the QA/QC procedure. [N.J.A.C. 7:27-22.16(a)]</p>	<p>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)].</p>	<p>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)].</p>	<p>Submit a report: 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). All quarterly and annual QA data shall be included in quarterly EEMPR reports and kept on file at the facility. The QA data must be made available to the Department upon request. [N.J.A.C. 7:27-22.16(o)]</p>
6	<p>CO <= 250 ppmvd @ 15% O2. Limit on CO emission for all conditions including startup, shutdown and fuel transfer, based upon the average of one calendar day, not including periods of equipment downtime. [N.J.A.C. 7:27-16.9(b)]</p>	<p>CO: Monitored by continuous emission monitoring system continuously, based on one calendar day. [N.J.A.C. 7:27-16.23(a)1]</p>	<p>CO: Recordkeeping by data acquisition system (DAS) / electronic data storage continuously. [N.J.A.C. 7:27-22.16(o)]</p>	<p>Submit an Excess Emissions and Monitoring Systems Performance Report (EEMPR): 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)]</p>
7	<p>VOC (Total) <= 50 ppmvd @ 15% O2. Limit on VOC emission for all conditions including startup, shutdown, and fuel transfer. [N.J.A.C. 7:27-16.9(c)]</p>	<p>VOC (Total): Monitored by stack emission testing prior to permit renewal, based on the average of three Department validated stack test runs. See the stack testing requirements in OS Summary Ref.#1. [N.J.A.C. 7:27-22.16(o)]</p>	<p>VOC (Total): Recordkeeping by stack test results upon occurrence of event. See the stack testing requirements in OS Summary Ref.#1. [N.J.A.C. 7:27-22.16(o)]</p>	<p>Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See the stack testing requirements in OS Summary Ref.#1. [N.J.A.C. 7:27-22.16(o)]</p>

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
8	<p>The Permittee of any stationary combustion turbine that has a maximum gross heat input of at least 25 MMBTU/Hr shall adjust the combustion process for NOx in accordance with the procedure set forth at N.J.A.C. 7:27-19.16 and as per the following schedule:</p> <p>(1) For any stationary combustion turbine that has a maximum gross heat input rate of at least 25 MMBtu/Hr but less than 30 MMBtu/hr., according to manufacturer's recommended procedures and maintenance schedules beginning 1/1/2007, OR</p> <p>(2) For any stationary combustion turbine that has a maximum gross heat input rate of at least 30 MMBtu/Hr. or greater, or required prior to November 7, 2005 to adjust the combustion process, according to manufacturer's recommended procedures and maintenance schedules. [N.J.A.C. 7:27-19.5(e)], [N.J.A.C. 7:27-19.16(g)], and [N.J.A.C. 7:27-16.9(f)]</p>	<p>Other: Periodic Emission Monitoring (Portable Instrument). Annually.[N.J.A.C. 7:27-16.9(f)].</p>	<p>Recordkeeping by data acquisition system (DAS) / electronic data storage upon performing combustion adjustment. The owner or operator shall record the following information for each adjustment:</p> <ol style="list-style-type: none"> 1. The date of the adjustment and the times at which it began and ended; 2. The name, title and affiliation of the person who made the adjustment; 3. The 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 over the 12 months prior to the annual adjustment. [N.J.A.C. 7:27-19.16(h)] and. [N.J.A.C. 7:27-22.16(o)] 	<p>None.</p>
9	<p>The Permittee of the adjusted equipment or source operation shall ensure that the operating parameter settings are established and recorded after the combustion process is adjusted and that the adjusted equipment or source operation is maintained to operate consistent with the annual adjustment. [N.J.A.C. 7:27-19.16(e)]</p>	<p>Other: Monitor and maintain the operating parameter settings that are established after the combustion process is adjusted in order to operate consistent with the annual adjustment.[N.J.A.C. 7:27-22.16(o)].</p>	<p>Other: The owner or operator shall record the operating parameter settings that are established after the combustion process is adjusted.[N.J.A.C. 7:27-19.16(e)].</p>	<p>None.</p>

BOP070001

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
10	An exceedance of an emission limit that occurs during an adjustment of the combustion process under N.J.A.C. 7:27-19.16(g) is not a violation of this subchapter if it occurs as a result of the adjustment. After the combustion adjustment has been completed, the maximum emission rate of any contaminant shall not exceed the maximum allowable emission rate applicable under this subchapter or under an operating permit issued pursuant to N.J.A.C. 7:27-22 or an applicable certificate issued pursuant to N.J.A.C. 7:27-8. [N.J.A.C. 7:27-19.16(f)]	None.	None.	None.
11	Continuous emission monitors and continuous recorders shall conform to performance and siting specifications in 40 CFR 60, Appendix B - Performance Spec., and Appendix F - Quality Assurance Procedures.[N.J.A.C. 7:27-16.9(h)] & [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
12	Turbine fuels limited to natural gas or #2 fuel oil. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
13	Natural Gas Usage <= 439 MMft ³ per any 12 consecutive month period. Annual fuel use limit for Natural Gas from initial operating permit application. [N.J.A.C. 7:27-22.16(a)]	Natural Gas Usage: Monitored by fuel flow/firing rate instrument continuously. [N.J.A.C. 7:27-22.16(o)]	Other: Data Acquisition System (DAS)/Electronic Data Storage. Monthly. Cubic feet per any consecutive 12-month period shall be calculated by the sum of the cubic feet consumed during any one month added to the sum of the cubic feet consumed during the preceding 11 months.[N.J.A.C. 7:27-22.16(o)].	None.
14	Fuel Oil Usage <= 257,000 gallons per any 12 consecutive month period. Annual fuel use limit for #2 fuel oil from initial operating permit application. [N.J.A.C. 7:27-22.16(a)]	Fuel Oil Usage: Monitored by fuel flow/firing rate instrument continuously. [N.J.A.C. 7:27-22.16(o)]	Other: Data Acquisition System (DAS)/Electronic Data Storage. Monthly. Records shall be made for each period that No. 2 fuel oil is burned, showing the date, start time, end time, amount of fuel consumed, reason for using the fuel and the name of the person making the entry. Gallons per consecutive 12-month period shall be calculated by the sum of the gallons consumed during any one month added to the sum of the gallons consumed during the preceding 11 months.[N.J.A.C. 7:27-22.16(o)].	None.

BOP070001

New Jersey Department of Environmental Protection
 Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
15	Maximum time limit for startup based on preconstruction permit is 60 minutes. Startup shall be defined as that period of time from initiation of gas turbine operation until the unit reaches steady state at over 50% of the base load condition. (Base load shall be defined as the operating condition of the gas turbine at a fuel input corresponding to 100% of machine output) [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
16	Maximum time limit for shutdown based on preconstruction permit is 30 minutes. Shutdown shall be defined as that period of time from initiation of lowering of gas turbine operation below 50% of base load to the cessation of turbine operation. (Base load shall be defined as the operating condition of the gas turbine at a fuel input corresponding to 100% of machine output) [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
17	Maximum time limit for fuel transfer based on preconstruction permit is 30 minutes. Transfer period shall be defined as that period of time from the initiation of the transfer process between liquid and gaseous fuels, including temporary reduction in water injection, to the completion of this process. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
18	Continuous emission monitor for CO ppmvd and percent O2 shall be installed and operated at all times that fuel is combusted in the turbine. [N.J.A.C. 7:27-22.16(e)]	Monitored by continuous emission monitoring system continuously for CO and O2. [N.J.A.C. 7:27-22.16(e)]	Recordkeeping by data acquisition system (DAS) / electronic data storage continuously. [N.J.A.C. 7:27-22.16(e)]	None.
19	A load meter shall continuously record the electrical output in kilowatts. [N.J.A.C. 7:27-22.16(e)]	Other: Parametric Monitoring System. Continuously.[N.J.A.C. 7:27-22.16(e)].	Other: Data Acquisition System (DAS)/Electronic Data Storage. Continuously[N.J.A.C. 7:27-22.16(e)].	None.
20	Water-to-Fuel Ratio \geq 0.76 lb of water per lb of fuel. Minimum water to fuel weight ratio (natural gas or #2 fuel oil) based on stack test. [N.J.A.C. 7:27-22.16(e)]	Water-to-Fuel Ratio: Monitored by water-to-fuel monitoring device continuously, based on a 1 hour block average. Monitoring is performed through the use of a Parametric Monitoring System. [N.J.A.C. 7:27-22.16(o)]	Water-to-Fuel Ratio: Recordkeeping by data acquisition system (DAS) / electronic data storage continuously. [N.J.A.C. 7:27-22.16(e)]	None.

BOP070001

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
21	Water injection system shall be operating at all times that the turbine is combusting fuel, except for startup, shutdown and transfer periods. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
22	VOC (Total) <= 6.55 tons/yr. Annual emission limit based on maximum annual fuel use. [N.J.A.C. 7:27-22.16(e)]	<p>Other: Fuel use records and calculations. Each month during operations. Compliance with the annual emission limits shall be demonstrated by calculating and recording for each air contaminant monthly the following:</p> <p>Tons per year(i) = ((cu ft/year) x (Btu/cu ft) x (lbs(i)/hour) x (hour/ MMBtu) x (ton/2000 lbs)) + ((gallons/year) x (Btu/gallon) x (lbs(i)/hour) x (hour/MMBtu) x (ton/2000 lbs))</p> <p>i = VOC, NOx, CO, SO2, TSP & PM10</p> <p>tons per year(i) = tons of emissions by air contaminant per consecutive 12-month period.</p> <p>cu ft/yr = cubic feet natural gas burned per consecutive 12-month period.</p> <p>gallons/yr = gallons of #2 fuel oil burned per consecutive 12-month period.</p> <p>Btu/cu ft = 1032 Btu/cubic feet natural gas.</p> <p>Btu/gallon = 142,000 Btu/gallon #2 fuel oil.</p> <p>MMBtu/hr = maximum heat input rate based on fuel being burned.</p> <p>lbs(i)/hour = pounds of emissions per hour by air contaminant shown in this operating permit for this emission unit for each fuel. [N.J.A.C. 7:27-22.16(e)].</p>	<p>VOC (Total): Recordkeeping by data acquisition system (DAS) / electronic data storage each month during operation showing monthly tons per year and 12 consecutive months tons per year. Cubic feet per consecutive 12-month period shall be calculated by the sum of cubic feet consumed during any one month added to the sum of the cubic feet consumed in the preceding 11 months. Gallons of #2 fuel oil per consecutive 12-month period shall be calculated by the sum of the gallons consumed during any one month added to the sum of the gallon consumed during the preceding 11 months. [N.J.A.C. 7:27-22.16(e)]</p>	None.

BOP070001

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
23	NOx (Total) <= 43.37 tons/yr. Annual emission limit based on maximum annual fuel use. [N.J.A.C. 7:27-22.16(e)]	Other: Fuel use records and calculations. Each month during operations. (See Monitoring Requirement for Ref. #22 above)[N.J.A.C. 7:27-22.16(e)].	NOx (Total): Recordkeeping by data acquisition system (DAS) / electronic data storage each month during operation showing monthly tons per year and 12 consecutive months tons per year. Cubic feet per consecutive 12-month period shall be calculated by the sum of cubic feet consumed during any one month added to the sum of the cubic feet consumed in the preceding 11 months. Gallons of #2 fuel oil per consecutive 12-month period shall be calculated by the sum of the gallons consumed during any one month added to the sum of the gallon consumed during the preceding 11 months. [N.J.A.C. 7:27-22.16(e)]	None.
24	CO <= 36.05 tons/yr. Annual emission limit based on maximum annual fuel use. [N.J.A.C. 7:27-22.16(e)]	Other: Fuel use records and calculations. Each month during operations. (See Monitoring Requirements for Ref. #22 above)[N.J.A.C. 7:27-22.16(e)].	CO: Recordkeeping by data acquisition system (DAS) / electronic data storage each month during operation showing monthly tons per year and 12 consecutive months tons per year. Cubic feet per consecutive 12-month period shall be calculated by the sum of cubic feet consumed during any one month added to the sum of the cubic feet consumed in the preceding 11 months. Gallons of #2 fuel oil per consecutive 12-month period shall be calculated by the sum of the gallons consumed during any one month added to the sum of the gallon consumed during the preceding 11 months. [N.J.A.C. 7:27-22.16(e)]	None.

BOP070001

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
25	SO2 <= 6.83 tons/yr. Annual emission limit based on maximum annual fuel use. [N.J.A.C. 7:27-22.16(e)]	Other: Fuel use records and calculations. Each month during operations. (See Monitoring Requirement for Ref. #22 above)[N.J.A.C. 7:27-22.16(e)].	SO2: Recordkeeping by data acquisition system (DAS) / electronic data storage each month during operation showing monthly tons per year and 12 consecutive months tons per year. Cubic feet per consecutive 12-month period shall be calculated by the sum of cubic feet consumed during any one month added to the sum of the cubic feet consumed in the preceding 11 months. Gallons of #2 fuel oil per consecutive 12-month period shall be calculated by the sum of the gallons consumed during any one month added to the sum of the gallon consumed during the preceding 11 months. [N.J.A.C. 7:27-22.16(e)]	None.
26	TSP <= 4.11 tons/yr. Annual emission limit based on maximum annual fuel use. [N.J.A.C. 7:27-22.16(e)]	Other: Fuel use records and calculations. Each month during operations. (See Monitoring Requirement for Ref. #22 above)[N.J.A.C. 7:27-22.16(e)].	TSP: Recordkeeping by data acquisition system (DAS) / electronic data storage each month during operation showing monthly tons per year and 12 consecutive months tons per year. Cubic feet per consecutive 12-month period shall be calculated by the sum of cubic feet consumed during any one month added to the sum of the cubic feet consumed in the preceding 11 months. Gallons of #2 fuel oil per consecutive 12-month period shall be calculated by the sum of the gallons consumed during any one month added to the sum of the gallon consumed during the preceding 11 months. [N.J.A.C. 7:27-22.16(e)]	None.

BOP070001

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
27	PM-10 (Total) <= 4.11 tons/yr. Annual emission limit based on maximum annual fuel use. [N.J.A.C. 7:27-22.16(e)]	Other: Fuel use records and calculations. Each month during operations. (See Monitoring Requirement for Ref. #22 above)[N.J.A.C. 7:27-22.16(e)].	PM-10 (Total): Recordkeeping by data acquisition system (DAS) / electronic data storage each month during operation showing monthly tons per year and 12 consecutive months tons per year. Cubic feet per consecutive 12-month period shall be calculated by the sum of cubic feet consumed during any one month added to the sum of the cubic feet consumed in the preceding 11 months. Gallons of #2 fuel oil per consecutive 12-month period shall be calculated by the sum of the gallons consumed during any one month added to the sum of the gallon consumed during the preceding 11 months. [N.J.A.C. 7:27-22.16(e)]	None.
28	All requests, reports, applications, submittals, and other communications to the Administrator pursuant to Part 60 shall be submitted in duplicate to the Regional Office of US Environmental Protection Agency. Submit information to: Director, Division of Enforcement & Compliance Assistance, US EPA, Region 2, 290 Broadway, New York, NY 10007-1866. NSPS Subpart A. [40 CFR 60.4(a)]	None.	None.	Submit a report: As per the approved schedule to EPA Region 2 as required by 40 CFR 60. [40 CFR 60.4(a)]
29	Copies of all information submitted to EPA pursuant to 40 CFR Part 60, must also be submitted to the appropriate Regional Enforcement Office of NJDEP. NSPS Subpart A. [40 CFR 60.4(b)]	None.	None.	Submit a report: As per the approved schedule to the appropriate Regional Enforcement Office of NJDEP as required by 40 CFR 60. [40 CFR 60.4(b)]

BOP070001

New Jersey Department of Environmental Protection
 Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
30	The owner or operator subject to the provisions of 40 CFR Part 60 shall furnish the Administrator written notification or, if acceptable to both the Administrator and the owner or operator of a source, electronic notification, of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless that change is specifically exempted under an applicable subpart or in section 60.14(e). The notification shall include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of facility before and after the change and the expected completion date of the change. Notification shall be postmarked within 60 days or as soon as practicable before any change is commenced. The Administrator may request additional relevant information subsequent to this notice. NSPS Subpart A. [40 CFR 60.7(a)(4)]	None.	None.	Submit notification: Upon occurrence of event to EPA Region 2 and the appropriate Regional Enforcement Office of NJDEP as required by 40 CFR 60.7 [40 CFR 60.7(a)(4)]
31	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. NSPS Subpart A. [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)]	Submit an Excess Emissions and Monitoring Systems Performance Report (EEMPR): Semi-annually beginning on the 30th day of the 6th month following initial performance tests. The report shall contain the information required in 40 CFR 60.7(b) and be postmarked by the 30th day following the end of each six-month period. The report shall be submitted to the EPA Region 2 Administrator and the appropriate Regional Enforcement Office of NJDEP and be in the format specified at 40 CFR Part 60.7(c) and 40 CFR Part 60.7(d). [40 CFR 60.7(c)]

BOP070001

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
32	<p>Each owner or operator required to install a continuous monitoring device shall submit an excess emissions and monitoring systems performance report (excess emissions are defined in applicable subparts) and/or a summary report form (see section 60.7(d)) to the Administrator semiannually, except when: more frequent reporting is specifically required by an applicable subpart; or the Administrator, on a case-by-case basis, determines that more frequent reporting is necessary to accurately assess the compliance status of the source. All reports shall be postmarked by the 30th day following the end of each six-month period. NSPS Subpart A. [40 CFR 60.7(c)]</p>	None.	<p>Other: Written reports of excess emissions shall include the following information: (1) The magnitude of excess emissions computed in accordance with section 60.13(h), any conversion factor(s) used, and the date and time of commencement and completion of each time period and excess emissions. The process operating time during the reporting period. (2) Specific identification of each period of excess emissions that occurs during startups, shutdowns, and malfunctions of the affected facility. The nature and cause of any malfunction (if known), the corrective action taken or preventative measures adopted. (3) The date and time identifying each period during which the continuous monitoring system was inoperative except for zero and span checks and the nature of the system repairs or adjustments. (4) When no excess emissions have occurred or the continuous monitoring system(s) have not been inoperative, repaired, or adjusted, such information shall be stated in the report. [40 CFR 60.7(c)].</p>	<p>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. The report shall be submitted to the EPA Region 2 Administrator and the appropriate Regional Enforcement Office of NJDEP and be in the format specified at 40 CFR Part 60.7(c) and 40 CFR Part 60.7(d). [40 CFR 60.7(c)]</p>

BOP070001

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
33	The owner or operator shall maintain a file, suitable for inspection, of all monitoring measurements as indicated in Recordkeeping Requirement column. NSPS Subpart A. [40 CFR 60.7(f)]	None.	Other: The file shall include all measurements (including continuous monitoring system, monitoring device, and performance testing measurements), all continuous monitoring system performance evaluations, all continuous monitoring system or monitoring device calibration checks, all adjustments/maintenance performed on these systems or devices, and all other information required by 40 CFR Part 60 recorded in a permanent form suitable for inspection. The file shall be retained for at least two years following the dates of the record, except as prescribed in 40 CFR 60.7(f)(1) through (3). Sources subject to 40 CFR 70, are required to retain records of all required monitoring data and support information for a period of at least 5 years from the date of the monitoring sample, measurement, report, or application, per 40 CFR 70.6(a)(3)(ii)(B). [40 CFR 60.7(f)].	None.
34	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. NSPS Subpart A. [40 CFR 60.11(d)]	None.	None.	None.

BOP070001

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
35	No owner or operator subject to NSPS standards in Part 60, shall build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere. NSPS Subpart A. [40 CFR 60.12]	None.	None.	None.
36	Except for system breakdowns, repairs, calibration checks, and zero and span adjustments, all continuous monitoring systems referenced by 40 CFR 60.13(c) 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. NSPS Subpart A. [40 CFR 60.13(e)(2)]	Other: See Applicable Requirement. [40 CFR 60.13(e)(2)].	Other: See Applicable Requirement. [40 CFR 60.13(e)(2)].	None.
37	All continuous monitoring systems or monitoring devices shall be installed such that representative measurements of emissions or process parameters from the affected facility are obtained. Procedures for location of continuous monitoring systems contained in the applicable Performance Specifications of Appendix B of 40 CFR Part 60 shall be used. NSPS Subpart A. [40 CFR 60.13(f)]	None.	None.	None.

BOP070001

New Jersey Department of Environmental Protection
 Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
38	<p>The owner or operator of all continuous monitoring systems (other than opacity) shall reduce all data to 1-hour averages for time periods. One-hour period is defined in 40 CFR 60.2 as any 60-minute period commencing on the hour. For a full operating hour, 1-hour averages shall be computed from at least four valid data points, i.e., one data point in each of the 15-minute quadrants of the hour. For a partial operating hour (any clock hour with less than 60 minutes of unit operation), the owner or operator shall follow all the procedures specified at 40 CFR 60.13(h)(2) to compute 1-hour averages. Data recorded during periods of continuous monitoring system breakdowns, repairs, calibration checks, and zero and span adjustments shall not be included in the data averages computed under this paragraph. The owners and operators complying with the requirements in 40 CFR 60.7(f)(1) or (2) must include any data recorded during periods of monitor breakdown or malfunction in the data averages. Either arithmetic or integrated averaging of all data may be used to calculate the hourly averages. The data may be recorded in reduced or nonreduced form (e.g., ppm pollutant and percent O₂ or ng/J of pollutant). NSPS Subpart A. [40 CFR 60.13(h)(2)]</p>	None.	Other: See Applicable Requirement. [40 CFR 60.13(h)].	None.
39	<p>All excess emissions shall be converted into units of the standard using the applicable conversion procedures specified in the applicable subparts. After conversion into units of the standard, the data may be rounded to the same number of significant digits as used in the applicable subpart to specify the emission limit. NSPS Subpart A. [40 CFR 60.13(h)(3)]</p>	None.	None.	None.

BOP070001

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
40	Changes in time periods for submittal of information and postmark deadlines set forth in this subpart, may be made only upon approval by the Administrator and shall follow procedures outlined in 40 CFR Part 60.19. NSPS Subpart A. [40 CFR 60.19]	None.	None.	None.
41	NOx (Total) <= 150 ppmvd @ 15% O2 , dry basis. NSPS Subpart GG. [40 CFR 60.332(a)(2)]	NOx (Total): Monitored by stack emission testing once initially, based on any 60 minute period. Test methods and procedures shall be consistent with the requirements of 40 CFR Part 60.335. If the turbine combusts both oil and gas as primary or backup fuels, separate performance testing is required for each fuel. Performance testing is not required for any emergency fuel as defined in 40 CFR 60.331. [40 CFR 60.335]	NOx (Total): Recordkeeping by stack test results once initially. [N.J.A.C. 7:27-22.16(o)]	None.
42	Sulfur Content in Fuel <= 0.8 % by weight. No owner or operator subject to the provisions of this subpart shall burn any fuel which contains total sulfur in excess of 0.8 percent by weight (8000 ppmw). NSPS Subpart GG. [40 CFR 60.333(b)]	Other: Test methods and procedures shall be consistent with the requirements of 40 CFR Part 60.334(h) and 60.335.[40 CFR 60.335].	Other: Manual logging of sulfur content in a logbook or electronic storage in readily available computer files. Per delivery.[N.J.A.C. 7:27-22.16(o)].	None.
43	The owner or operator of a turbine that uses steam or water injection shall install, calibrate, maintain and operate a continuous monitoring system to monitor and record the fuel consumption and the ratio of water or steam to fuel being fired in the turbine. NSPS Subpart GG. [40 CFR 60.334(a)]	Monitored by parametric monitoring system continuously. During the performance test required under 40 CFR 60.8, the ratio of water or steam to fuel shall be continuously monitored to establish acceptable values and ranges. [40 CFR 60.334(g)]	Recordkeeping by data acquisition system (DAS) / electronic data storage continuously. [N.J.A.C. 7:27-22.16(o)]	None.
44	The owner or operator of a turbine on which the steam or water to fuel ratio or other parameters are being continuously monitored shall develop and keep on -site a parameter monitoring plan which explains the procedure used to document proper operation of the NOx emission controls. NSPS Subpart GG. [40 CFR 60.334(g)]	None.	Recordkeeping by other recordkeeping method (provide description) once initially. The parameter monitoring plan shall include information required by 40 CFR 60.334(g). [40 CFR 60.334(g)]	None.

BOP070001

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
45	The owner or operator shall monitor nitrogen content of the fuel being fired in the turbine if the owner or operator claims an allowance for fuel bound nitrogen. The owner or operator shall use the methods specified in 40 CFR 60.335(b)9 or an approved alternative. The analyses may be performed by the owner or operator, a service contractor retained by the owner or operator, the fuel vendor, or any other qualified agency. NSPS Subpart GG. [40 CFR 60.334(h)(2)]	Monitored by other method (provide description) daily. Any applicable nitrogen content value of the gaseous fuel or fuel oil shall be determined and recorded once per unit operating day. If a custom fuel monitoring schedule has previously been approved, the owner or operator may continue monitoring on this schedule without submitting a special petition to the Administrator. [40 CFR 60.334(i)]	Recordkeeping by certified lab analysis results daily. The owner or operator shall record the results of each analysis for fuel nitrogen content. [40 CFR 60.334(i)]	None.
46	The owner or operator may elect not to monitor the total sulfur content of the gaseous fuel combusted in the turbine if the gaseous fuel is demonstrated to meet the definition of natural gas in 40 CFR 60.331(u) regardless of whether an existing custom schedule approved by the Administrator. NSPS Subpart GG. [40 CFR 60.334(h)(3)]	None.	None.	Demonstrate compliance: Once initially. The owner or operator shall submit the required determination to the Administrator using the sources of information described in 40 CFR 60.334(h)(3)(i) or (ii) showing the maximum total sulfur content. [40 CFR 60.334(h)(3)]

BOP070001

New Jersey Department of Environmental Protection
 Facility Specific Requirements

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

New Jersey Department of Environmental Protection
 Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
49	The owner or operator shall submit reports of excess emissions and monitor downtime for Sulfur dioxide. Excess emissions shall be reported for all periods of unit operation, including startup, shutdown and malfunction. For the purpose of reports required under 40 CFR 60.7(c), periods of excess emissions and monitor downtime that shall be reported are defined in 40 CFR 60.334(j)(2). NSPS Subpart GG. [40 CFR 60.334(j)(2)]	None.	None.	Submit an Excess Emissions and Monitoring Systems Performance Report (EEMPR): Semi-annually beginning on the 30th day of the 6th month following initial performance tests. Pursuant to 40 CFR 60.334(j)5, all reports shall be postmarked by the 30th day following the end of each 6-month period. [40 CFR 60.334(j)(2)]
50	The owner or operator shall report to the Administrator each period during which an exemption provided in 40 CFR Part 60.332(f) is in effect. NSPS Subpart GG. [40 CFR 60.334(j)(3)]	None.	None.	Submit an Excess Emissions and Monitoring Systems Performance Report (EEMPR): Semi-annually beginning on the 30th day of the 6th month following initial performance tests. The report shall contain for each period, the ambient conditions existing during the period, the date and time the air pollution control system was deactivated, and the date and time the air pollution control system was reactivated shall be reported. Pursuant to 40 CFR 60.334(j)5, all reports shall be postmarked by the 30th day following the end of each 6-month period. [40 CFR 60.334(j)(3)]
51	The owner or operator shall include in the report required by 40 CFR Part 60.7(c), each period during which an exemption provided in 40 CFR Part 60.332(k) is in effect. NSPS Subpart GG. [40 CFR 60.334(j)(4)]	None.	None.	Submit an Excess Emissions and Monitoring Systems Performance Report (EEMPR): Semi-annually beginning on the 30th day of the 6th month following initial performance tests. The report shall contain for each period, the type, reasons, and duration of the firing of the emergency fuel. Pursuant to 40 CFR 60.334(j)5, all reports shall be postmarked by the 30th day following the end of each 6-month period. [40 CFR 60.334(j)(4)]

BOP070001

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

Emission Unit: U1 A dual-fired gas turbine is used to produce electricity and steam.
Operating Scenario: OS1 55.9 MM Btu/hour Turbine, Natural Gas, (Dual Fuel Stationary Turbine)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 11.6 lb/hr. Particulate emission limit from the combustion of fuel based on rated heat input of turbine. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 55.9 MMBTU/hr (HHV). Maximum rated heat input from preconstruction permit (natural gas). [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	Natural Gas Usage <= 54,167 ft ³ /hr. Maximum fuel use rate for natural gas from operating permit application based on maximum rated heat input and 1,032 Btu/ft ³ . [N.J.A.C. 7:27-22.16(e)]	Natural Gas Usage: Monitored by fuel flow/firing rate instrument continuously. [N.J.A.C. 7:27-22.16(e)]	Natural Gas Usage: Recordkeeping by data acquisition system (DAS) / electronic data storage continuously. [N.J.A.C. 7:27-22.16(e)]	None.
4	VOC (Total) <= 1.46 lb/hr. Maximum emission rate from preconstruction permit (natural gas). [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
5	NOx (Total) <= 1.3 lb/MW-hr. Maximum emission rate including startup, shutdown, and fuel transfer (natural gas). To calculate lb/MWh for units where energy is used for other than electric generation, for example useful heat from a combined heat and power unit, that useful energy should be converted to equivalent MWh and added to the electric output. The lb/MWh is based on net energy output, for both electric output and useful heat output as per N.J.A.C. 7:27-19.5(f). [N.J.A.C. 7:27-19.5(d)]	NOx (Total): Monitored by stack emission testing prior to permit renewal, based on the average of three Department validated stack test runs. See the stack testing requirements in OS Summary Ref.#1. [N.J.A.C. 7:27-22.16(o)]	NOx (Total): Recordkeeping by stack test results upon occurrence of event. See the stack testing requirements in OS Summary Ref.#1. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See the stack testing requirements in OS Summary Ref.#1. [N.J.A.C. 7:27-22.16(o)]
6	NOx (Total) <= 9.5 lb/hr. Maximum emission rate from preconstruction permit (natural gas). [N.J.A.C. 7:27-22.16(e)]	NOx (Total): Monitored by stack emission testing prior to permit renewal, based on each of three Department validated stack test runs. See the stack testing requirements in OS Summary Ref.#1. [N.J.A.C. 7:27-22.16(o)]	NOx (Total): Recordkeeping by stack test results upon occurrence of event. See the stack testing requirements in OS Summary Ref.#1. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See the stack testing requirements in OS Summary Ref.#1. [N.J.A.C. 7:27-22.16(o)]

BOP070001

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	NOx (Total) <= 0.18 lb/MMBTU. Maximum emission rate from preconstruction permit (natural gas). [N.J.A.C. 7:27-22.16(o)]	NOx (Total): Monitored by stack emission testing prior to permit renewal, based on each of three Department validated stack test runs. See the stack testing requirements in OS Summary Ref.#1. [N.J.A.C. 7:27-22.16(o)]	NOx (Total): Recordkeeping by stack test results upon occurrence of event. See the stack testing requirements in OS Summary Ref.#1. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See the stack testing requirements in OS Summary Ref.#1. [N.J.A.C. 7:27-22.16(o)]
8	NOx (Total) <= 42 ppmvd @ 15% O2. Maximum emission rate from preconstruction permit (natural gas). [N.J.A.C. 7:27-22.16(e)]	NOx (Total): Monitored by stack emission testing prior to permit renewal, based on each of three Department validated stack test runs. See the stack testing requirements in OS Summary Ref.#1. [N.J.A.C. 7:27-22.16(o)]	NOx (Total): Recordkeeping by stack test results upon occurrence of event. See the stack testing requirements in OS Summary Ref.#1. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See the stack testing requirements in OS Summary Ref.#1. [N.J.A.C. 7:27-22.16(o)]
9	CO <= 6.9 lb/hr. Maximum emission rate from preconstruction permit (natural gas). [N.J.A.C. 7:27-22.16(e)]	CO: Monitored by stack emission testing prior to permit renewal, based on each of three Department validated stack test runs. See the stack testing requirements in OS Summary Ref.#1. [N.J.A.C. 7:27-22.16(o)]	CO: Recordkeeping by stack test results upon occurrence of event. See the stack testing requirements in OS Summary Ref.#1. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See the stack testing requirements in OS Summary Ref.#1. [N.J.A.C. 7:27-22.16(o)]
10	CO <= 50 ppmvd @ 15% O2. Maximum emission rate from preconstruction permit except for startup, shutdown and fuel transfer (natural gas). [N.J.A.C. 7:27-22.16(e)]	CO: Monitored by continuous emission monitoring system continuously, based on a 1 hour block average. [N.J.A.C. 7:27-22.16(e)]	CO: Recordkeeping by data acquisition system (DAS) / electronic data storage continuously. [N.J.A.C. 7:27-22.16(e)]	None.
11	SO2 <= 0.035 lb/hr. Maximum emission rate from preconstruction permit (natural gas). [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
12	TSP <= 0.82 lb/hr. Maximum emission rate from preconstruction permit (natural gas). [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
13	PM-10 (Total) <= 0.82 lb/hr. Maximum emission rate from preconstruction permit (natural gas). [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

BOP070001

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

Emission Unit: U1 A dual-fired gas turbine is used to produce electricity and steam.
Operating Scenario: OS2 57.75 MM Btu/hour Turbine, #2 Fuel Oil, (Dual Fuel Stationary Turbine)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 11.8 lb/hr. Particulate emission limit from the combustion of fuel based on rated heat input of turbine. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 57.75 MMBTU/hr (HHV). Maximum heat input from preconstruction permit (#2 fuel oil). [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	Sulfur Content in Fuel <= 0.3 % by weight. Maximum allowable sulfur content in fuel oil by fuel oil type/viscosity and geographical zone. [N.J.A.C. 7:27- 9.2(b)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery. [N.J.A.C. 7:27-22.16(o)]	Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	None.
4	Sulfur Content in Fuel <= 500 ppmw. Permittee self imposed maximum allowable sulfur content from operating permit modification application BOP070001. [N.J.A.C. 7:27-22.16(a)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery. [N.J.A.C. 7:27-22.16(o)]	Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	None.
5	VOC (Total) <= 1.88 lb/hr. Maximum emission rate from preconstruction permit (#2 fuel oil). [N.J.A.C. 7:27-22.16(e)]	VOC (Total): Monitored by stack emission testing prior to permit renewal, based on each of three Department validated stack test runs. See the stack testing requirements in OS Summary Ref.#1. [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Recordkeeping by stack test results upon occurrence of event. See the stack testing requirements in OS Summary Ref.#1. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See the stack testing requirements in OS Summary Ref.#1. [N.J.A.C. 7:27-22.16(o)]
6	NOx (Total) <= 2 lb/MW-hr. Maximum emission rate including startup, shutdown, and fuel transfer (#2 fuel oil). To calculate lb/MWh for units where energy is used for other than electric generation, for example useful heat from a combined heat and power unit, that useful energy should be converted to equivalent MWh and added to the electric output. The lb/MWh is based on net energy output, for both electric output and useful heat output as per N.J.A.C. 7:27-19.5(f). [N.J.A.C. 7:27-19.5(d)]	NOx (Total): Monitored by stack emission testing prior to permit renewal, based on the average of three Department validated stack test runs. See the stack testing requirements in OS Summary Ref.#1. [N.J.A.C. 7:27-22.16(o)]	NOx (Total): Recordkeeping by stack test results upon occurrence of event. See the stack testing requirements in OS Summary Ref.#1. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See the stack testing requirements in OS Summary Ref.#1. [N.J.A.C. 7:27-22.16(o)]

BOP070001

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	NOx (Total) <= 14.4 lb/hr. Maximum emission rate from preconstruction permit (#2 fuel oil). [N.J.A.C. 7:27-22.16(e)]	NOx (Total): Monitored by stack emission testing prior to permit renewal, based on each of three Department validated stack test runs. See the stack testing requirements in OS Summary Ref.#1. [N.J.A.C. 7:27-22.16(o)]	NOx (Total): Recordkeeping by stack test results upon occurrence of event. See the stack testing requirements in OS Summary Ref.#1. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See the stack testing requirements in OS Summary Ref.#1. [N.J.A.C. 7:27-22.16(o)]
8	NOx (Total) <= 0.28 lb/MMBTU. Maximum emission rate from preconstruction permit (#2 fuel oil). [N.J.A.C. 7:27-22.16(e)]	NOx (Total): Monitored by stack emission testing prior to permit renewal, based on each of three Department validated stack test runs. See the stack testing requirements in OS Summary Ref.#1. [N.J.A.C. 7:27-22.16(o)]	NOx (Total): Recordkeeping by stack test results upon occurrence of event. See the stack testing requirements in OS Summary Ref.#1. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See the stack testing requirements in OS Summary Ref.#1. [N.J.A.C. 7:27-22.16(o)]
9	NOx (Total) <= 65 ppmvd @ 15% O ₂ . Maximum emission rate from preconstruction permit (#2 fuel oil). [N.J.A.C. 7:27-22.16(e)]	NOx (Total): Monitored by stack emission testing prior to permit renewal, based on each of three Department validated stack test runs. See the stack testing requirements in OS Summary Ref.#1. [N.J.A.C. 7:27-22.16(o)]	NOx (Total): Recordkeeping by stack test results upon occurrence of event. See the stack testing requirements in OS Summary Ref.#1. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See the stack testing requirements in OS Summary Ref.#1. [N.J.A.C. 7:27-22.16(o)]
10	CO <= 23.1 lb/hr. Maximum emission rate from preconstruction permit (#2 fuel oil). [N.J.A.C. 7:27-22.16(e)]	CO: Monitored by stack emission testing prior to permit renewal, based on each of three Department validated stack test runs. See the stack testing requirements in OS Summary Ref.#1. [N.J.A.C. 7:27-22.16(o)]	CO: Recordkeeping by stack test results upon occurrence of event. See the stack testing requirements in OS Summary Ref.#1. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See the stack testing requirements in OS Summary Ref.#1. [N.J.A.C. 7:27-22.16(o)]
11	CO <= 50 ppmvd @ 15% O ₂ . Maximum emission rate from preconstruction permit except for startup, shutdown and fuel transfer (#2 fuel oil). [N.J.A.C. 7:27-22.16(e)]	CO: Monitored by continuous emission monitoring system continuously, based on a 1 hour block average. [N.J.A.C. 7:27-22.16(e)]	CO: Recordkeeping by data acquisition system (DAS) / electronic data storage continuously. [N.J.A.C. 7:27-22.16(e)]	None.
12	SO ₂ <= 3.32 lb/hr. Maximum emission rate from operating permit modification application BOP070001 (#2 fuel oil). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
13	TSP <= 2.21 lb/hr. Maximum emission rate from preconstruction permit (#2 fuel oil). [N.J.A.C. 7:27-22.16(e)]	TSP: Monitored by stack emission testing prior to permit renewal, based on each of three Department validated stack test runs. See the stack testing requirements in OS Summary Ref.#1. [N.J.A.C. 7:27-22.16(o)]	TSP: Recordkeeping by stack test results upon occurrence of event. See the stack testing requirements in OS Summary Ref.#1. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See the stack testing requirements in OS Summary Ref.#1. [N.J.A.C. 7:27-22.16(o)]
14	PM-10 (Total) <= 2.21 lb/hr. Maximum emission rate from preconstruction permit (#2 fuel oil). [N.J.A.C. 7:27-22.16(e)]	PM-10 (Total): Monitored by stack emission testing prior to permit renewal, based on each of three Department validated stack test runs. See the stack testing requirements in OS Summary Ref.#1. [N.J.A.C. 7:27-22.16(o)]	PM-10 (Total): Recordkeeping by stack test results upon occurrence of event. See the stack testing requirements in OS Summary Ref.#1. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See the stack testing requirements in OS Summary Ref.#1. [N.J.A.C. 7:27-22.16(o)]

BOP070001

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

Emission Unit: U2 Two 25 MM Btu/hour boilers, burning natural gas and exhausting into one stack.

Operating Scenario: OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	No visible emissions except for a period of not longer than three minutes in any consecutive 30-minute period. [N.J.A.C. 7:27- 3.2(a)]	Other: Visual determination. Each week during operation when burning #2 fuel oil. None when burning natural gas. The permittee shall conduct visual opacity inspections during daylight hours. Visual inspections shall consist of a visual survey to identify if the stack has visible emissions, (other than condensed water vapor), greater than the prescribed standard. If visible emissions are observed, the permittee shall do the following: (1) Verify that the equipment and/or control device causing the emission is operating according to manufacturers specifications and the operating permit compliance plan. If the equipment or control device is not operating properly, the permittee shall take corrective action immediately to eliminate the excess emissions. The permittee must report any permit violation to NJDEP pursuant to N.J.A.C. 7:27-22.19. (2) If the corrective action in step one does not correct the opacity problem within 24 hours, the permittee shall perform a check via a certified opacity reader, in accordance with N.J.A.C. 7:27B-2. Such a test shall be conducted once per day until corrective action is taken to successfully correct the opacity problem. The permittee must report any continuing permit violation to NJDEP pursuant to N.J.A.C. 7:27-22.19.[N.J.A.C. 7:27-22.16(o)].	Other: Manual logging of parameter in a logbook or electronic storage in readily available computer files. Each week during operation. None when burning natural gas. The permittee must retain the following records; (1) Date and time of inspection; (2) Emission Point number; (3) Operational status of equipment; (4) Observed results and conclusions; (5) Description of corrective action taken if needed; (6) Date and time that the opacity problem was solved, if applicable; (7) N.J.A.C. 7:27B-2 results if conducted; and (8) Name of person(s) conducting inspection.[N.J.A.C. 7:27-22.16(o)].	Other (provide description): Upon occurrence of event the permittee must report any permit violation to NJDEP pursuant to N.J.A.C. 7:27-22.19. [N.J.A.C. 7:27-22.16(o)]
2	Particulate Emissions <= 11 lb/hr. Particulate emission limit from the combustion of fuel based on the rated heat input of both boilers. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
3	Boiler fuels limited to natural gas or #2 fuel oil. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

BOP070001

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
4	Natural Gas Usage <= 390 MMft ³ per any 12 consecutive month period. Annual fuel use limit for Natural Gas, total for both boilers, from preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	Natural Gas Usage: Monitored by fuel flow/firing rate instrument continuously. [N.J.A.C. 7:27-22.16(e)]	Other: Data Acquisition System (DAS)/Electronic Data Storage. Monthly. Cubic feet per any consecutive 12-month period shall be calculated by the sum of the cubic feet consumed during any one month added to the sum of the cubic feet consumed during the preceding 11 months.[N.J.A.C. 7:27-22.16(e)].	None.
5	Fuel Oil Usage <= 240,000 gallons per any 12 consecutive month period. Annual fuel use limit for #2 fuel oil, total for both boilers, from preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	Fuel Oil Usage: Monitored by fuel flow/firing rate instrument continuously. [N.J.A.C. 7:27-22.16(e)]	Other: Data Acquisition System (DAS)/Electronic Data Storage. Monthly. Records shall be made for each period that No. 2 fuel oil is burned, showing the date, start time, end time, amount of fuel consumed, reason for using the fuel and the name of the person making the entry. Gallons per consecutive 12-month period shall be calculated by the sum of the gallons consumed during any one month added to the sum of the gallons consumed during the preceding 11 months.[N.J.A.C. 7:27-22.16(e)].	None.

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
6	<p>Adjust the combustion process annually in accordance with the procedure set forth at N.J.A.C. 7:27-19.16 and the following schedule:</p> <p>If not located at a major NO_x facility, in the same quarter of each calendar year beginning in 2007; or</p> <p>If located at a major NO_x facility, or required in N.J.A.C. 7:27-16.8 prior to November 7, 2005 to adjust the combustion process, in the same quarter of each calendar year. [N.J.A.C. 7:27-16.8(c) & [N.J.A.C. 7:27-19.7]</p>	<p>Monitored by periodic emission monitoring annually. N.J.A.C. 7:27-16.8(c) & [N.J.A.C. 7:27-19.7]</p>	<p>Other: The owner or operator of the equipment or source operation adjusted shall ensure that each adjustment is recorded in a log book or computer data system and retained for a minimum of five years, to be made readily accessible to the Department upon request. Such record shall contain the following information for each adjustment:</p> <ol style="list-style-type: none"> 1. The date of the adjustment and the times at which it began and ended; 2. The name, title and affiliation of the person whom made the adjustment; 3. The NO_x and CO concentrations in the effluent stream, in ppmvd, before and after each actual adjustment was made; 4. The concentration of O₂ (in percent dry basis) at which the CO and NO_x concentrations were measured; 5. A description of any corrective action taken; 6. Results from any subsequent test performed after taking any corrective action, including concentrations and converted emission values in pounds per million BTU (lb/MMBTU); 7. The type and amount of fuel used over the 12 months prior to the annual adjustment; an 8. Any other information which the Department or the EPA has required as a condition of approval of any permit or certificate issued for the source operation. The records must be kept annually.[N.J.A.C. 7:27-19.16]. 	<p>Submit a report: As per the approved schedule The owner or operator shall ensure that an annual adjustment combustion process report is submitted electronically to the Department (Regional Enforcement Office listed on the first page of the Operating Permit) within 45 days after the adjustment of the combustion process is completed, based on the gross heat input of the boiler, beginning in 2009 in the format the Department specifies at its website. The report shall contain the following information:</p> <ol style="list-style-type: none"> 1. The concentration of NO_x and CO in the effluent stream in ppmvd, and O₂, in percent dry basis, measured before and after the adjustment of the combustion process; 2. The converted emission values in lb/MMBTU for the measurements taken before and after the adjustment of the combustion process; 3. A description of any corrective action taken as part of the combustion adjustment; and 4. The type and amount of fuel used over the 12 months prior to the annual adjustment. [N.J.A.C. 7:27-19.16]
7	<p>The owner or operator of the adjusted equipment or source operation shall ensure that the operating parameter settings are established and recorded after the combustion process is adjusted and that the adjusted equipment or source operation is maintained to operate consistent with the annual adjustment. [N.J.A.C. 7:27-19.16(e)]</p>	<p>Other: Monitor and maintain the operating parameter settings that are established after the combustion process is adjusted in order to operate consistent with the annual adjustment.[N.J.A.C. 7:27-22.16(o)].</p>	<p>Other: The owner or operator shall record the operating parameter settings that are established after the combustion process is adjusted.[N.J.A.C. 7:27-19.16(e)].</p>	<p>None.</p>

BOP070001

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
8	<p>VOC (Total) <= 0.57 tons/yr. Annual emission limit based on maximum annual fuel use. [N.J.A.C. 7:27-22.16(e)]</p>	<p>Other: Fuel use records and calculations. Each month during operations. Compliance with the annual emission limits shall be demonstrated by calculating and recording for each air contaminant monthly the following: Tons per year(i) = ((cu ft/year) x (Btu/cu ft) x (lbs(i)/hour) x (hour/ MMBtu) x (ton/2000 lbs)) + ((gallons/year) x (Btu/gallon) x (lbs(i)/hour) x (hour/MMBtu) x (ton/2000 lbs)) i = VOC, NOx, CO, SO2, TSP & PM10 tons per year(i) = tons of emissions by air contaminant per consecutive 12-month period. cu ft/yr = cubic feet natural gas burned per consecutive 12-month period. gallons/yr = gallons of #2 fuel oil burned per consecutive 12-month period. Btu/cu ft = 1032 Btu/cubic feet natural gas. Btu/gallon = 142,000 Btu/gallon #2 fuel oil. MMBtu/hr = maximum heat input rate based on fuel being burned. lbs(i)/hour = pounds of emissions per hour by air contaminant shown in this operating permit for this emission unit for each fuel. [N.J.A.C. 7:27-22.16(e)].</p>	<p>VOC (Total): Recordkeeping by data acquisition system (DAS) / electronic data storage each month during operation showing monthly tons per year and 12 consecutive months tons per year. Cubic feet per consecutive 12-month period shall be calculated by the sum of cubic feet consumed during any one month added to the sum of the cubic feet consumed in the preceding 11 months. Gallons of #2 fuel oil per consecutive 12-month period shall be calculated by the sum of the gallons consumed during any one month added to the sum of the gallon consumed during the preceding 11 months. [N.J.A.C. 7:27-22.16(e)]</p>	<p>None.</p>
9	<p>NOx (Total) <= 29.6 tons/yr. Annual emission limit based on maximum annual fuel use. [N.J.A.C. 7:27-22.16(e)]</p>	<p>Other: Fuel use records and calculations. Each month during operations. (See Monitoring Requirement for Ref. #8 above)[N.J.A.C. 7:27-22.16(e)].</p>	<p>NOx (Total): Recordkeeping by data acquisition system (DAS) / electronic data storage each month during operation showing monthly tons per year and 12 consecutive months tons per year. Cubic feet per consecutive 12-month period shall be calculated by the sum of cubic feet consumed during any one month added to the sum of the cubic feet consumed in the preceding 11 months. Gallons of #2 fuel oil per consecutive 12-month period shall be calculated by the sum of the gallons consumed during any one month added to the sum of the gallon consumed during the preceding 11 months. [N.J.A.C. 7:27-22.16(e)]</p>	<p>None.</p>

BOP070001

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
10	CO <= 7.41 tons/yr. Annual emission limit based on maximum annual fuel use. [N.J.A.C. 7:27-22.16(e)]	Other: Fuel use records and calculations. Each month during operations. (See Monitoring Requirements for Ref. #8 above)[N.J.A.C. 7:27-22.16(e)].	CO: Recordkeeping by data acquisition system (DAS) / electronic data storage each month during operation showing monthly tons per year and 12 consecutive months tons per year. Cubic feet per consecutive 12-month period shall be calculated by the sum of cubic feet consumed during any one month added to the sum of the cubic feet consumed in the preceding 11 months. Gallons of #2 fuel oil per consecutive 12-month period shall be calculated by the sum of the gallons consumed during any one month added to the sum of the gallon consumed during the preceding 11 months. [N.J.A.C. 7:27-22.16(e)]	None.
11	SO2 <= 0.86 tons/yr. Annual emission limit based on maximum annual fuel use. [N.J.A.C. 7:27-22.16(a)]	Other: Fuel use records and calculations. Each month during operations. (See Monitoring Requirement for Ref. #8 above)[N.J.A.C. 7:27-22.16(o)].	SO2: Recordkeeping by data acquisition system (DAS) / electronic data storage each month during operation showing monthly tons per year and 12 consecutive months tons per year. Cubic feet per consecutive 12-month period shall be calculated by the sum of cubic feet consumed during any one month added to the sum of the cubic feet consumed in the preceding 11 months. Gallons of #2 fuel oil per consecutive 12-month period shall be calculated by the sum of the gallons consumed during any one month added to the sum of the gallon consumed during the preceding 11 months. [N.J.A.C. 7:27-22.16(o)]	None.
12	TSP <= 0.82 tons/yr. Annual emission limit based on maximum annual fuel use. [N.J.A.C. 7:27-22.16(e)]	Other: Fuel use records and calculations. Each month during operations. (See Monitoring Requirement for Ref. #8 above)[N.J.A.C. 7:27-22.16(e)].	TSP: Recordkeeping by data acquisition system (DAS) / electronic data storage each month during operation showing monthly tons per year and 12 consecutive months tons per year. Cubic feet per consecutive 12-month period shall be calculated by the sum of cubic feet consumed during any one month added to the sum of the cubic feet consumed in the preceding 11 months. Gallons of #2 fuel oil per consecutive 12-month period shall be calculated by the sum of the gallons consumed during any one month added to the sum of the gallon consumed during the preceding 11 months. [N.J.A.C. 7:27-22.16(e)]	None.

BOP070001

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
13	PM-10 (Total) <= 0.82 tons/yr. Annual emission limit based on maximum annual fuel use. [N.J.A.C. 7:27-22.16(e)]	Other: Fuel use records and calculations. Each month during operations. (See Monitoring Requirement for Ref. #8 above)[N.J.A.C. 7:27-22.16(e)].	PM-10 (Total): Recordkeeping by data acquisition system (DAS) / electronic data storage each month during operation showing monthly tons per year and 12 consecutive months tons per year. Cubic feet per consecutive 12-month period shall be calculated by the sum of cubic feet consumed during any one month added to the sum of the cubic feet consumed in the preceding 11 months. Gallons of #2 fuel oil per consecutive 12-month period shall be calculated by the sum of the gallons consumed during any one month added to the sum of the gallon consumed during the preceding 11 months. [N.J.A.C. 7:27-22.16(e)]	None.
14	VOC (Total) <= 0.136 lb/hr. Maximum stack emission rate, sum of both boilers, from preconstruction permit (natural gas). [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
15	VOC (Total) <= 0.0027 lb/MMBTU. Maximum stack emission rate, sum of both boilers, from preconstruction permit (natural gas). [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
16	NOx (Total) <= 6.78 lb/hr. Maximum stack emission rate, sum of both boilers, from preconstruction permit (natural gas). [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
17	NOx (Total) <= 0.133 lb/MMBTU. Maximum stack emission rate, sum of both boilers, from preconstruction permit (natural gas). [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
18	NOx (Total) <= 86 ppmvd @ 7% O2. Maximum stack emission rate, sum of both boilers, from preconstruction permit (natural gas). [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
19	CO <= 1.69 lb/hr. Maximum stack emission rate, sum of both boilers, from preconstruction permit (natural gas). [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

BOP070001

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
20	CO <= 0.033 lb/MMBTU. Maximum stack emission rate, sum of both boilers, from preconstruction permit (natural gas). [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
21	CO <= 35 ppmvd @ 7% O ₂ . Maximum stack emission rate, sum of both boilers, from preconstruction permit (natural gas). [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
22	TSP <= 0.145 lb/hr. Maximum stack emission rate, sum of both boilers, from preconstruction permit (natural gas). [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
23	PM-10 (Total) <= 0.145 lb/hr. Maximum stack emission rate, sum of both boilers, from operating permit application (natural gas). [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
24	Maximum emission rate of SO ₂ from preconstruction permit is below reporting threshold of 0.05 lb/hr in Appendix to N.J.A.C. 7:27-22 (natural gas). [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
25	Maximum Gross Heat Input <= 25.39 MMBTU/hr (HHV) per boiler. Maximum heat input per boiler from preconstruction permit (natural gas). [N.J.A.C. 7:27-22.16(e)]	Other: Fuel burner rated capacity.[N.J.A.C. 7:27-22.16(e)].	None.	None.
26	Sulfur Content in Fuel <= 0.3 % by weight. Maximum allowable sulfur content in fuel oil by fuel oil type/viscosity and geographical zone is 0.3 percent sulfur by weight. [N.J.A.C. 7:27- 9.2(b)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery. [N.J.A.C. 7:27-22.16(o)]	Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	None.
27	Sulfur Content in Fuel <= 500 ppmw. Permittee self imposed maximum allowable sulfur content from operating permit modification application BOP070001. [N.J.A.C. 7:27-22.16(a)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery. [N.J.A.C. 7:27-22.16(o)]	Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery. [N.J.A.C. 7:27-22.16(o)]	None.
28	VOC (Total) <= 0.067 lb/hr. Maximum emission rate for stack, sum of both boilers, from preconstruction permit (#2 fuel oil). [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

BOP070001

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
29	VOC (Total) <= 0.014 lb/MMBTU. Maximum emission rate for stack, sum of both boilers, from preconstruction permit (#2 fuel oil). [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
30	NOx (Total) <= 6.66 lb/hr. Maximum stack emission rate, sum of both boilers, from preconstruction permit (#2 fuel oil). [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
31	NOx (Total) <= 0.144 lb/MMBTU. Maximum stack emission rate, sum of both boilers, from preconstruction permit (#2 fuel oil). [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
32	NOx (Total) <= 88 ppmvd @ 7% O ₂ . Maximum stack emission rate, sum of both boilers, from preconstruction permit (#2 fuel oil). [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
33	CO <= 1.66 lb/hr. Maximum stack emission rate, sum of both boilers, from preconstruction permit (#2 fuel oil). [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
34	CO <= 0.036 lb/MMBTU. Maximum stack emission rate, sum of both boilers, from preconstruction permit (#2 fuel oil). [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
35	CO <= 36 ppmvd @ 7% O ₂ . Maximum stack emission rate, sum of both boilers, from preconstruction permit (#2 fuel oil). [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
36	SO ₂ <= 1.15 lb/hr. Maximum stack emission rate, sum of both boilers, from operating permit modification application BOP070001 (#2 fuel oil). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
37	TSP <= 0.666 lb/hr. Maximum stack emission rate, sum of both boilers, from preconstruction permit (#2 fuel oil). [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
38	PM-10 (Total) <= 0.666 lb/hr. Maximum stack emission rate, sum of both boilers, from operating permit application (#2 fuel oil). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

BOP070001

New Jersey Department of Environmental Protection
 Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
39	Maximum Gross Heat Input <= 23.07 MMBTU/hr (HHV). Maximum heat input per boiler from preconstruction permit (#2 fuel oil). [N.J.A.C. 7:27-22.16(e)]	Other: Fuel burner rated capacity.[N.J.A.C. 7:27-22.16(e)].	None.	None.
40	All requests, reports, applications, submittals, and other communications to the Administrator pursuant to Part 60 shall be submitted in duplicate to the Regional Office of US Environmental Protection Agency. Submit information to: Director, Division of Enforcement & Compliance Assistance, US EPA, Region 2, 290 Broadway, New York, NY 10007-1866. NSPS Subpart A. [40 CFR 60.4(a)]	None.	None.	Submit a report: As per the approved schedule to EPA Region 2 as required by 40 CFR 60. [40 CFR 60.4(a)]
41	Copies of all information submitted to EPA pursuant to 40 CFR Part 60, must also be submitted to the appropriate Regional Enforcement Office of NJDEP. NSPS Subpart A. [40 CFR 60.4(b)]	None.	None.	Submit a report: As per the approved schedule to the appropriate Regional Enforcement Office of NJDEP as required by 40 CFR 60. [40 CFR 60.4(b)]
42	The owner or operator subject to the provisions of 40 CFR Part 60 shall furnish the Administrator written notification or, if acceptable to both the Administrator and the owner or operator of a source, electronic notification, of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless that change is specifically exempted under an applicable subpart or in section 60.14(e). The notification shall include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of facility before and after the change and the expected completion date of the change. Notification shall be postmarked within 60 days or as soon as practicable before any change is commenced. The Administrator may request additional relevant information subsequent to this notice. NSPS Subpart A. [40 CFR 60.7(a)(4)]	None.	None.	Submit notification: Upon occurrence of event to EPA Region 2 and the appropriate Regional Enforcement Office of NJDEP as required by 40 CFR 60.7 [40 CFR 60.7(a)(4)]

BOP070001

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
43	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. NSPS Subpart A. [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.
44	The owner or operator shall maintain a file, suitable for inspection, of all monitoring measurements as indicated in Recordkeeping Requirement column. NSPS Subpart A. [40 CFR 60.7(f)]	None.	Other: The file shall include all measurements (including continuous monitoring system, monitoring device, and performance testing measurements), all continuous monitoring system performance evaluations, all continuous monitoring system or monitoring device calibration checks, all adjustments/maintenance performed on these systems or devices, and all other information required by 40 CFR Part 60 recorded in a permanent form suitable for inspection. The file shall be retained for at least two years following the dates of the record, except as prescribed in 40 CFR 60.7(f)(1) through (3). Sources subject to 40 CFR 70, are required to retain records of all required monitoring data and support information for a period of at least 5 years from the date of the monitoring sample, measurement, report, or application, per 40 CFR 70.6(a)(3)(ii)(B). [40 CFR 60.7(f)].	None.

BOP070001

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

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. NSPS Subpart A. [40 CFR 60.11(d)]	None.	None.	None.
46	No owner or operator subject to NSPS standards in Part 60, shall build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere. NSPS Subpart A. [40 CFR 60.12]	None.	None.	None.
47	Changes in time periods for submittal of information and postmark deadlines set forth in this subpart, may be made only upon approval by the Administrator and shall follow procedures outlined in 40 CFR Part 60.19. NSPS Subpart A. [40 CFR 60.19]	None.	None.	None.
48	Sulfur Content in Fuel <= 0.5 weight % for affected facility that combusts oil. NSPS Subpart Dc. [40 CFR 60.42c(d)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records once per bulk fuel shipment. [40 CFR 60.44c(h)]	Sulfur Content in Fuel: Recordkeeping by fuel supplier certifications pursuant to 40 CFR Part 60.48c(f) once per bulk fuel shipment. Records of the name of the oil supplier, a statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil as specified at 40 CFR 60.41c, and the sulfur content of the oil shall be maintained. [40 CFR 60.48c(e)(11)]	Submit a report: Semi-annually beginning on the 30th day of the 6th month following initial performance tests. The owner or operator shall submit fuel supplier certifications, and owner/operator certification that the fuel supplier's certifications are representative of all the fuel combusted during the reporting period. [40 CFR 60.48c(e)(11)]

BOP070001

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
49	The owner or operator of each affected facility shall submit notification of the date of construction or reconstruction, anticipated startup, and actual startup, as provided by 40 CFR 60.7. This notification shall include information specified in 40 CFR 60.48c(a)1 through (a)4. NSPS Subpart Dc. [40 CFR 60.48c(a)]	None.	None.	Submit a report: Upon occurrence of event. [40 CFR 60.48c(a)]
50	The owner or operator of each affected facility subject to the SO ₂ emission limits or fuel oil sulfur limits, or percent reduction requirements under 40 CFR 60.42c shall maintain records, and report to the Administrator, all information specified at 40 CFR 60.48c(e). NSPS Subpart Dc. [40 CFR 60.48c(d)]	None.	Other: The owner or operator shall record all applicable information specified at 40 CFR 60.48c(e)(1) through (e)(11). [40 CFR 60.48c(d)].	Submit a report: Semi-annually beginning on the 30th day of the 6th month following initial performance tests. The owner or operator shall report to the Administrator all applicable information specified at 40 CFR 60.48c(e)(1) through (11). [40 CFR 60.48c(d)]
51	The owner or operator of an affected facility that combusts only natural gas, wood, fuels using fuel certification in 40 CFR 60.48c(f), fuels not subject to an emission standard (excluding opacity), or a mixture of these fuels shall record and maintain records of each fuel combusted during each calendar month. NSPS Subpart Dc. [40 CFR 60.48c(g)(2)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [40 CFR 60.48c(g)(2)]	None.
52	The owner or operator shall maintain all required records for a period of two years following the date of such record. NSPS Subpart Dc. [40 CFR 60.48c(i)]	None.	None.	None.
53	The permittee shall submit to the Administrator all reports required under 40 CFR 60.40, et. seq. each six-month period. NSPS Subpart Dc. [40 CFR 60.48c(j)]	None.	None.	Submit a report: Semi-annually beginning on the 30th day of the 6th month following initial performance tests. All reports shall be submitted to the Administrator and shall be postmarked by the 30th day following the end of the reporting period. [40 CFR 60.48c(j)]

BOP070001

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

Emission Unit: U4 Backup diesel generator with a maximum rated gross heat input of 3.4 mmBTU/hr.

Operating Scenario: OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Opacity <= 20 % , exclusive of visible condensed water vapor, except for a period of not longer than 10 consecutive seconds. [N.J.A.C. 7:27- 3.5]	None.	None.	None.
2	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(e)]	None.	None.	None.
3	Particulate Emissions <= 2 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 <= 0.3 % by weight. Maximum allowable sulfur content in fuel oil by fuel type/viscosity and geographical zone. [N.J.A.C. 7:27- 9.2(b)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery. [N.J.A.C. 7:27-22.16(o)]	Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	None.
5	Sulfur Content in Fuel <= 500 ppmw. Permittee self imposed maximum allowable sulfur content from operating permit modification application BOP070001. [N.J.A.C. 7:27-22.16(a)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery. [N.J.A.C. 7:27-22.16(o)]	Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	None.
6	Emergency generator fuel limited to Diesel Oil. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

BOP070001

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	<p>The 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:</p> <ol style="list-style-type: none"> 1. During the performance of normal testing and maintenance procedures, as recommended in writing by the manufacturer and/or as required in writing by a Federal or State law or regulation, 2. When there is power outage or the primary source of mechanical or thermal energy fails because of an emergency, or 3. When there is a voltage reduction issued by PJM and posted on the PJM internet website (www.pjm.com) under the "emergency procedures" menu. [N.J.A.C. 7:27-19.1] 	<p>Monitored by hour/time monitor continuously. [N.J.A.C. 7:27-22.16(o)]</p>	<p>Other: The Permittee shall maintain on site and record in a logbook or computer data system, the following information:</p> <ol style="list-style-type: none"> 1. For each time the emergency generator is specifically operated for testing or maintenance: <ol style="list-style-type: none"> i. The reason for its operation; ii. The date(s) of operation and the start up and shut down time; iii. The total operating time for testing or maintenance based on the generator's hour meter; and iv. The name of the operator; and 2. If a voltage reduction is the reason for the use of the emergency generator, a copy of the voltage reduction notification from PJM or other documentation of the voltage reduction. [N.J.A.C. 7:27-19.11]. 	<p>None.</p>

BOP070001

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
8	<p>This emergency generator shall not be used:</p> <p>1. For normal testing and maintenance on days when the Department forecasts air quality anywhere in New Jersey to be "unhealthy for sensitive groups," "unhealthy," or "very unhealthy" as defined in the EPA's Air Quality Index at http://airnow.gov/, as supplemented or amended and incorporated herein by reference, unless required in writing by a Federal or State law or regulation. Procedures for determining the air quality forecasts for New Jersey are available at the Department's air quality permitting web site at http://www.state.nj.us/dep/aqpp/aqforecast; and</p> <p>2. As a source of energy or power after the primary energy or power source has become operable again. If the primary energy or power source is under the control of the owner or operator of the emergency generator, the owner or operator shall make a reasonable, timely effort to repair the primary energy or power source. [N.J.A.C. 7:27-19.2(d)]</p>	None.	None.	None.
9	<p>The Permittee shall, once per month, record the total operating time from the generator's hour meter. [N.J.A.C. 7:27-19.11]</p>	Monitored by hour/time monitor continuously . [N.J.A.C. 7:27-22.16(o)]	Other: The Permittee shall maintain on site and record in a logbook or computer data system the total operating time from the generator's hour meter. Once per month. [N.J.A.C. 7:27-19.11].	None.

BOP070001

New Jersey Department of Environmental Protection
 Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
10	<p>Hours of Operation <= 500 hr/yr. The Permittee shall comply with the above hour per year limit. This emergency generator shall be operated only:</p> <p>1. During the performance of normal testing and maintenance procedures, as recommended in writing by the manufacturer and/or as required in writing by a Federal or State law or regulation,</p> <p>2. When there is power outage or the primary source of mechanical or thermal energy fails because of an emergency, or</p> <p>3. When there is a voltage reduction issued by PJM and posted on the PJM internet website (www.pjm.com) under the "emergency procedures" menu. [N.J.A.C. 7:27-22.16(a)]</p>	<p>Hours of Operation: Monitored by hour/time monitor continuously. [N.J.A.C. 7:27-22.16(e)]</p>	<p>Other: The Permittee shall maintain on site and record in a logbook or computer data system the total operating time from the generator's hour meter. Once per month.[N.J.A.C. 7:27-19.11].</p>	None.
11	VOC (Total) <= 0.31 tons/yr. Annual emission limit based on 500 hours/year of operation. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
12	NOx (Total) <= 3.75 tons/yr. Annual emission limit based on 500 hours/year of operation. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
13	CO <= 0.81 tons/yr. Annual emission limit based on 500 hours/year of operation. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
14	SO2 <= 0.043 tons/yr. Annual emission limit based on 500 hours/year of operation and sulfur content in fuel from operating permit modification application BOP070001. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
15	TSP <= 0.26 tons/yr. Annual emission limit based on 500 hours/year of operation. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
16	PM-10 (Total) <= 0.26 tons/yr. Annual emission limit based on 500 hours/year of operation. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

HUNTERDON COGENERATION LP (80293)
BOP070001

Date: 10/15/2009

New Jersey Department of Environmental Protection
Facility Profile (General)

Facility Name (AIMS): HUNTERDON COGENERATION LP

Facility ID (AIMS): 80293

Street EDNA MAHAN CORRECTIONAL FACILITY
Address: RT 513
CLINTON, NJ 08809

Mailing PO BOX 5211
Address: CLINTON, NJ 08809

County: Hunterdon

Location
Description:

State Plane Coordinates:

X-Coordinate:

Y-Coordinate:

Units:

Datum:

Source Org.:

Source Type:

Industry:

Primary SIC: 8744

Secondary SIC:

NAICS:

New Jersey Department of Environmental Protection
Facility Profile (General)

Contact Type: Delegated Authority

Organization: NORESKO

Org. Type: Corporation

Name: Elmer Liebsch

NJ EIN:

Title: Director of Operations

Phone: (508) 614-1067 x

Mailing Address: 1 Research Drive
Westborough, MA 01581

Fax: (508) 870-2279 x

Other: () - x

Type:

Email:

Contact Type: On-Site Manager

Organization: Hunterdon Cogeneration Limited Partnership

Org. Type: Partnership

Name: Mr. Wally Sloyer

NJ EIN:

Title: Plant Manager

Phone: (908) 730-6532 x

Mailing Address: PO Box 5211
Clinton, NJ 08809

Fax: (908) 730-6531 x

Other: () - x

Type:

Email:

Contact Type: Owner (Current Primary)

Organization:

Org. Type:

Name: NORESKO/Hunterdon

NJ EIN:

Title:

Phone: (508) 614-1050 x

Mailing Address: 1 Research Drive
Suite 400C
Westborough, MA 01581

Fax: () - x

Other: () - x

Type:

Email:

HUNTERDON COGENERATION LP (80293)
BOP070001

Date: 10/15/2009

New Jersey Department of Environmental Protection
Facility Profile (General)

Contact Type: Responsible Official

Organization: EI Hunterdon, LLC (NORESKO)

Org. Type: Corporation

Name: Pablo Hernandez

NJ EIN:

Title: Vice President

Phone: (508) 614-1000 x

Mailing Address: 1 Research Drive

Fax: (508) 836-9988 x

Suite 400C

Westborough, MA 01581

Other: () - x

Type:

Email:

**New Jersey Department of Environmental Protection
Reason for Application**

Permit Being Modified

Permit Class: BOP **Number:** 70002

**Description
of Modifications:**

1. Revised Emission Unit U1 to reflect current NSPS Subpart GG.
2. Revised OS Summary Emission Unit U1 to indicate the monitoring of the water to fuel ratio limit of 0.76 pounds of water per pound of fuel be based on a 1-hour block average consistent with NSPS Subpart GG.
3. Revised Emission Unit U1 OS1 to increase hourly fuel limit based on correct heat input from original pre-construction permit.
4. Redefined start-up and shut-down in OS Summary Emission Unit U1.
5. Removed CEM requirements for the standby boilers in Emission Unit U2 based on summary of monitored concentration versus allowable concentration of last several years.
6. Revised all parts of the Operating Permit to indicate the use of low sulfur distillate fuel.
7. Updated Emission Unit U2 with current NSPS Subpart Dc.
8. Updated all parts of the Operating Permit with current N.J.A.C. 7:27-19 (NO_x RACT) requirements.

HUNTERDON COGENERATION LP (80293)
BOP070001

Date: 10/15/2009

New Jersey Department of Environmental Protection
Insignificant Source Emissions

IS NJID	Source/Group Description	Equipment Type	Location Description	Estimate of Emissions (tpy)									
				VOC (Total)	NOx	CO	SO	TSP	PM-10	Pb	HAPS (Total)	Other (Total)	
IS1	Two Fuel Oil Storage Tanks (20,000 Gallons each)	Storage Vessel											
Total				0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.00000000	0.000

BOP070001

**New Jersey Department of Environmental Protection
Equipment Inventory**

Equip. NJID	Facility's Designation	Equipment Description	Equipment Type	Certificate Number	Install Date	Grand-Fathered	Last Mod. (Since 1968)	Equip. Set ID
E1	Turbine	Solar Centaur Type HT-5701 Gas Turbine	Combustion Turbine	BOP070001		No		
E2	Boiler # 1	York-Shipley Boiler, SPHC 600, used as standby	Boiler	BOP070001		No		
E3	Boiler # 2	York-Shipley Boiler, SPHC 600, used as standby	Boiler	BOP070001		No		
E5	Diesel Gen.	Backup Diesel Generator	Emergency Generator	BOP070001		No		

80293 HUNTERDON COGENERATION LP BOP070001 E1 (Combustion Turbine)
Print Date: 10/15/2009

Make:	HT	
Manufacturer:	Solar Centaur	
Model:	5701	
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	57.75	
Type of Turbine:	Industrial	
Type of Cycle:	Simple-Cycle	Description:
Industrial Application:	Other	Description:
Power Output:	3.80	Units: Megawatts
Is the combustion turbine using (check all that apply):		
A Dry Low NOx Combustor:	<input type="checkbox"/>	
Steam Injection:	<input type="checkbox"/>	Steam to Fuel Ratio:
Water Injection:	<input checked="" type="checkbox"/>	Water to Fuel Ratio: 0.76
Other:	<input type="checkbox"/>	Description:
Is the turbine Equipped with a Duct Burner?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="radio"/> Yes <input checked="" type="radio"/> No	Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application? <input type="radio"/> Yes <input checked="" type="radio"/> No
Comments:	MMBtu/hr: Fuel oil-57.75 and Natural Gas 55.90	

80293 HUNTERDON COGENERATION LP BOP070001 E2 (Boiler)
Print Date: 10/15/2009

Make:	SPHC
Manufacturer:	York-Shipley
Model:	600
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	25.39
Boiler Type:	Fire Tube
Utility Type:	Utility
Output Type:	Steam Only
Steam Output (lb/hr):	20,000.00
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	

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

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

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

No

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

No

Comments: Maximum Gross Heat Input (MMBTU/hr) is 25.39 (Gas) and 23.07 (Oil)

80293 HUNTERDON COGENERATION LP BOP070001 E3 (Boiler)
Print Date: 10/15/2009

Make:	SPHC
Manufacturer:	York-Shipley
Model:	600
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	25.39
Boiler Type:	Fire Tube
Utility Type:	Utility
Output Type:	Steam Only
Steam Output (lb/hr):	20,000.00
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	

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

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

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

No

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

No

Comments: Maximum Gross Heat Input (MMBTU/hr) is 25.39 (Gas) and 23.07 (Oil)

80293 HUNTERDON COGENERATION LP BOP070001 E5 (Emergency Generator)
Print Date: 10/15/2009

Make:

Manufacturer:

Model:

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

Will the equipment be used
in excess of 500 hours per
year?

 Yes
 No

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

 Yes
 No

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

 Yes
 No

Comments:

HUNTERDON COGENERATION LP (80293)
BOP070001

Date: 10/15/2009

New Jersey Department of Environmental Protection
Emission Points Inventory

PT NJID	Facility's Designation	Description	Config.	Equiv. Diam. (in.)	Height (ft.)	Dist. to Prop. Line (ft)	Exhaust Temp. (deg. F)			Exhaust Vol. (acfm)			Discharge Direction	PT Set ID
							Avg.	Min.	Max.	Avg.	Min.	Max.		
PT1	Stack 01	Gas Turbine	Round	48	92	28		310.0	953.0		47,221.0	93,062.0	Up	
PT3	Stack 03	Standby Boilers 1 & 2	Round	36	92	30		250.0	350.0		1,000.0	14,000.0	Up	
PT5	BDG-1	Backup Diesel Generator	Round	6	11	30		580.0	1,025.0		731.0	2,698.0	Up	

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

Group NJID: GR1 Boilers NGas

Members:

Type	ID	OS	Step
U	U 2	OS5 Blr1-NGas	
U	U 2	OS7 Blr2-NGas	

Formal Reason(s) for Group/Cap:

Other

Other (explain): Emission rates given as total for both boilers

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

Operating Circumstances:

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

Group NJID: GR2 Blrs #2Oil

Members:

Type	ID	OS	Step
U	U 2	OS6 Blr1-#2Oil	
U	U 2	OS8 Blr2-#2Oil	

Formal Reason(s) for Group/Cap:

Other

Other (explain): Emission rates given as total for both boilers

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

Operating Circumstances: