State of New Jersey

PHILIP D. MURPHY
Governor

TAHESHA L. WAY
Lt. Governor

DEPARTMENT OF ENVIRONMENTAL PROTECTION

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

SHAWN M. LATOURETTE
Commissioner

Air Pollution Control Operating Permit
Renewal

Permit Activity Number: BOP190002 **Program Interest Number: 18399**

Mailing Address	Plant Location
ANTONIO CALCADO SR VP FOR INSTITUTIONAL PLANNING AND OP NJ RUTGERS UNIVERSITY 33 KNIGHTSBRIDGE RD Piscataway Twp, NJ 08854	NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS 24 St 1603 Bldg 4127 Livingston Campus Piscataway Middlesex County

Initial Operating Permit Approval Date: **October 26, 2005**

Operating Permit Approval Date: **DRAFT**

Operating Permit Expiration Date: **October 25, 2020 (operating under application shield)**

AUTHORITY AND APPLICABILITY

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

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

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

PERMIT SHIELD

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

COMPLIANCE SCHEDULES

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

COMPLIANCE CERTIFICATIONS AND DEVIATION REPORTS

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

ACCESSING PERMITS

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

HELPLINE

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

RENEWING YOUR OPERATING PERMIT AND APPLICATION SHIELD

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

COMPLIANCE ASSURANCE MONITORING

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

ADMINISTRATIVE HEARING REQUEST

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

If you have any questions regarding this permit approval, please call Darshil Bhavsar at (609) 940-5656.

Approved by:

_____

Christopher Schwalje

Enclosure

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

Facility Name: NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS
Program Interest Number: 18399
Permit Activity Number: BOP190002

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Section A

Facility Name: NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS
Program Interest Number: 18399
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POLLUTANT EMISSIONS SUMMARY

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

Facility's Potential Emissions from all Significant Source Operations (tons per year)										
Source Categories	VOC (total)	NO_x	CO	SO_2	TSP (total)	PM_{10} (total)	$PM_{2.5}$ (total)	Pb	HAPs* (total)	CO_2e[2]
Emission Units Summary	2.43	53.96	40.55	0.20	1.62	1.62	1.62	N/A	0.036	
Batch Process Summary	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Group Summary	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Total Emissions	2.43	53.96	40.55	0.20	1.62	1.62	1.62	N/A	0.036	72,720

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

Emissions from all Insignificant Source Operations and Non-Source Fugitive Emissions (tons per year)									
Source Categories	VOC (total)	NO_x	CO	SO_2	TSP (total)	PM_{10} (total)	$PM_{2.5}$ (total)	Pb	HAPs (total)
Insignificant Source Operations	0.27	4.45	3.54	0.47	0.36	0.36	N/A	N/A	N/A
Non-Source Fugitive Emissions	2.32	N/A	N/A	N/A	2.30	2.30	N/A	N/A	N/A

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

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

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

Section A

Facility Name: NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS
Program Interest Number: 18399
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POLLUTANT EMISSIONS SUMMARY

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

HAP	TPY
Cobalt	0.0000394
Dimethylbenz(a)anthracene (7,12-)	0.00000694
Formaldehyde	0.035
Nickel	0.00059

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

Other Air Contaminant	TPY
N/A	

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

Section B

Facility Name: NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS
Program Interest Number: 18399
Permit Activity Number: BOP190002

GENERAL PROVISIONS AND AUTHORITIES

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

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

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

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

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

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

   c. If the air contaminants are released in a quantity or concentration which poses no potential threat to public health, welfare, or the environment and which will not likely result in citizen complaints, and the permittee intends to assert an affirmative defense, consistent with General Provision #10 below, the violation shall be reported by 5:00 PM of the second full calendar day following the occurrence, or of becoming aware of the occurrence.

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

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

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

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

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

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

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

10. The permittee may not assert an affirmative defense to penalty liability for non-compliance with a provision or condition of the operating permit that is based on any federally delegated regulation, including but not limited to NSPS, NESHAP, or MACT. An affirmative defense to penalty liability for non-compliance with a provision or condition of the operating permit may be asserted by a permittee if:

    a. The provision or condition of the operating permit is based solely on State or local law; and

    b. The affirmative defense is asserted and established as required by N.J.S.A. 26:2C-19.1 through 19.5.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

20. The operating permit renewal application consists of a RADIUS application and the application attachment available at the Department's website https://dep.nj.gov/boss/applications-and-forms/ (Attachment to the RADIUS Operating Permit Renewal Application). Both the RADIUS application and the Application Attachment, along with any other supporting documents must be submitted using the Department's Portal at: https://njdeponline.com/. The application is considered timely if it is received at least 12 months before the expiration date of the operating permit. To be deemed administratively complete, the renewal application shall include all information required by the application form for the renewal and the information required pursuant to N.J.A.C. 7:27-22.30(d). However, consistent with N.J.A.C. 7:27-22.30(c), the permittee is encouraged to submit the renewal application at least 15 months prior to expiration of the operating permit, so that any deficiencies can be identified and addressed to ensure that the application is administratively complete by the renewal deadline. Only renewal applications which are timely and administratively complete are eligible for an application shield.

21. For all source emissions testing performed at the facility, the phrase "worst case conditions without creating an unsafe condition" used in the enclosed compliance plan is consistent with EPA's National Stack

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

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

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

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

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

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

25. Any emission limit values in an operating permit shall be interpreted to be followed by inherent trailing zeros (0) in the decimal portion of the limit to three significant figures (e.g. a printed limit of "1 lb/hr" means a limit of "1.00 lb/hr") except for concentration limits less than 10 parts per million (ppm). For such concentration limits, the emission limit shall be interpreted to be followed by inherent trailing zeros (0) in the decimal portion of the limit to two significant figures (e.g. a printed limit of "1 ppm" means a limit of "1.0 ppm").

26. Testing every five years shall be defined as no later than the end of the 60th month after the first required and each subsequent stack test was completed for the new or modified source.

Section C

Facility Name: NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS
Program Interest Number: 18399
Permit Activity Number: BOP190002

STATE-ONLY APPLICABLE REQUIREMENTS

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

STATE-ONLY APPLICABLE REQUIREMENTS

The following applicable requirements are not federally enforceable:

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

Facility Name: NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS
Program Interest Number: 18399
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FACILITY SPECIFIC REQUIREMENTS AND INVENTORIES

FACILITY SPECIFIC REQUIREMENTS PAGE INDEX

Subject Item and Name **Page Number**

NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS (18399)
BOP190002

Date: 7/3/2025

New Jersey Department of Environmental Protection
Reason for Application

Permit Being Modified

Permit Class: BOP **Number:** 230001

Description of Modifications: The following changes were made to the operating permit during this renewal process:

1. Emission units were restructured for clarity and organized grouping.

2. Incorporated GOPs from BOP200004, BOP240001, BOP240002, BOP240003, BOP240004, BOP250001, BOP250002.

3. Removed equipment E84201, previously permitted under emission unit U8420 operating scenario OS1.

4. Removed equipment E60242, replaced with equipment E5; removed equipment E60243, replaced by equipment E6.

5. Added emission point PT301 for Marine Science EG (E63505), and PT431 for Neilson Dining Hall EG (E83333).

6. Removed MACT ZZZZ requirements from emission unit U6 operating scenario OS8 (E3) due to updated applicability review.

7. Removed SO2 limit from emission unit U3, since all operating scenarios are below reporting threshold.

8. Added reportable PM2.5 emissions for all applicable emission units.

9. Updated language of existing requirements for completeness.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Subject Item: **FC**

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

New Jersey Department of Environmental Protection
Facility Specific Requirements

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

New Jersey Department of Environmental Protection
Facility Specific Requirements

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

New Jersey Department of Environmental Protection
Facility Specific Requirements

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

New Jersey Department of Environmental Protection
Facility Specific Requirements

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

New Jersey Department of Environmental Protection
Facility Specific Requirements

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

New Jersey Department of Environmental Protection

Facility Specific Requirements

Subject Item: **IS1 Boilers (<0.3 MMBTU/hr) Natural gas fired (97), IS2 Boilers (<1 MMBTU/hr) Natural gas fired (29), IS3 Clothes Dryers (<1 MMBTU/hr) Natural gas fired (26), IS4 Hot Water Heaters (<0.3 MMBTU/hr) Natural gas fired (89), IS5 Hot Water Heaters (>0.3 MMBTU/hr) Natural gas fired (19)**

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

New Jersey Department of Environmental Protection
Facility Specific Requirements

Subject Item: **IS6 Boilers (< 1 MMBTU/hr) oil Fired #2 (10)**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Opacity: No visible emissions except for a period of not longer than three minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-3.2(a)] & [N.J.A.C. 7:27- 3.2(c)]	None.	None.	None.
2	Sulfur Content in Fuel <= 15 ppmw (0.0015% by weight). Effective July 1, 2016. [N.J.A.C. 7:27- 9.2(b)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	None.
3	Fuel stored in New Jersey that met the applicable maximum sulfur content standard of Tables 1A or 1B of N.J.A.C. 7:27-9.2 at the time it was stored in New Jersey may be used in New Jersey after the operative date of the applicable standard in Table 1B. [N.J.A.C. 7:27- 9.2(b)]	None.	None.	None.
4	Maximum Gross Heat Input < 1 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Subject Item: **IS7 Emergency Generators (<1 MMBTU/hr) Natural gas fired (11)**

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.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
2	Each emergency generator shall be located at the facility and produce mechanical or thermal energy, or electrical power exclusively for use at the facility. This emergency generator shall be operated only: 1. During the performance of normal testing and maintenance procedures, as recommended in writing by the manufacturer and/or as required in writing by a Federal or State law or regulation, 2. When there is power outage or the primary source of mechanical or thermal energy fails because of an emergency, or when the power disruption resulted from construction, repair, or maintenance activity (CRM) at the facility. Operation of the emergency generator under construction, repair, or maintenance activity is limited to 30 days in any calendar year; or 3. When there is a voltage reduction issued by PJM and posted on the PJM internet website (www.pjm.com) under the "emergency procedures" menu. [N.J.A.C. 7:27-19.1]	Monitored by hour/time monitor continuously. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system at the approved frequency. Record the following information: 1. Once per month, the total operating time from the generator's hour meter and the monthly hours of operation for emergency use and during power disruption from CRM. Document if the emergency use was due to internal or external loss of primary source of energy, or due to a fire or flood. If internal loss at the facility, document the emergency and/or CRM that occurred, the damages to the primary source of energy and the amount of time needed for repairs. 2. For each time the emergency generator is specifically operated for testing or maintenance: i. The reason for its operation; ii. The date(s) of operation and the start up and shut down time; iii. The total operating time for testing or maintenance based on the generator's hour meter; and iv. The name of the operator; and 3. If a voltage reduction is the reason for the use of the emergency generator, a copy of the voltage reduction notification from PJM or other documentation of the voltage reduction. The owner or operator of shall maintain the above records for at least 5 years after the record was made and shall make the records readily available to the Department or the EPA. [N.J.A.C. 7:27-19.11]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

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

New Jersey Department of Environmental Protection
Facility Specific Requirements

Subject Item: **IS8 Emergency Generators (< 1 MMBTU/hr) Diesel (2)**

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

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
4	Each emergency generator shall be located at the facility and produce mechanical or thermal energy, or electrical power exclusively for use at the facility. This emergency generator shall be operated only: 1. During the performance of normal testing and maintenance procedures, as recommended in writing by the manufacturer and/or as required in writing by a Federal or State law or regulation, 2. When there is power outage or the primary source of mechanical or thermal energy fails because of an emergency, or when the power disruption resulted from construction, repair, or maintenance activity (CRM) at the facility. Operation of the emergency generator under construction, repair, or maintenance activity is limited to 30 days in any calendar year; or 3. When there is a voltage reduction issued by PJM and posted on the PJM internet website (www.pjm.com) under the "emergency procedures" menu. [N.J.A.C. 7:27-19.1]	Monitored by hour/time monitor continuously. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system at the approved frequency. Record the following information: 1. Once per month, the total operating time from the generator's hour meter and the monthly hours of operation for emergency use and during power disruption from CRM. Document if the emergency use was due to internal or external loss of primary source of energy, or due to a fire or flood. If internal loss at the facility, document the emergency and/or CRM that occurred, the damages to the primary source of energy and the amount of time needed for repairs. 2. For each time the emergency generator is specifically operated for testing or maintenance: i. The reason for its operation; ii. The date(s) of operation and the start up and shut down time; iii. The total operating time for testing or maintenance based on the generator's hour meter; and iv. The name of the operator; and 3. If a voltage reduction is the reason for the use of the emergency generator, a copy of the voltage reduction notification from PJM or other documentation of the voltage reduction. The owner or operator of shall maintain the above records for at least 5 years after the record was made and shall make the records readily available to the Department or the EPA. [N.J.A.C. 7:27-19.11]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

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

New Jersey Department of Environmental Protection
Facility Specific Requirements

Subject Item: **IS9 Diesel Fuel USTs (= or< 20,000 gal, VP< 0.02)**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Sulfur Content in Fuel <= 15 ppmw (0.0015% by weight). Effective July 1, 2016. [N.J.A.C. 7:27- 9.2(a)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	None.
2	Fuel stored in New Jersey that met the applicable maximum sulfur content standard of Tables 1A or 1B of N.J.A.C. 7:27-9.2 at the time it was stored in New Jersey may be used in New Jersey after the operative date of the applicable standard in Table 1B. [N.J.A.C. 7:27- 9.2(a)]	None.	None.	None.
3	Tank contents limited to diesel. [N.J.A.C. 7:27-22.16(a)]	None.	Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing materials delivered. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Subject Item: **IS10 Wood Working Equipment (7) w/ Dust collector**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Opacity <= 20 % exclusive of condensed water vapor, except for 3 minutes in any consecutive 30-minute period.[N.J.A.C. 7:27-6.2(d)] &. [N.J.A.C. 7:27- 6.2(e)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Boilers 1-5 MMBtu/hr NG**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Opacity: No visible smoke except for a period of not longer than three minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-3.2(a)] & [N.J.A.C. 7:27- 3.2(c)]	None.	None.	None.
2	Fuel type limited to natural gas. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	Natural Gas Usage <= 559.93 MMft^3/yr. [N.J.A.C. 7:27-22.16(a)]	Natural Gas Usage: Monitored by gas use totalizing meter continuously installed at building. [N.J.A.C. 7:27-22.16(o)]	Natural Gas Usage: Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27-22.16(o)]	None.
4	NOx (Total) <= 28 tons/yr. Annual emission limit based on natural gas usage (MMft^3/yr) and AP-42 emission factor (100 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	NOx (Total): Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	NOx (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.
5	CO <= 23.52 tons/yr. Annual emission limit based on natural gas usage (MMft^3/yr) and AP-42 emission factor (84 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	CO: Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	CO: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.
6	HAPs (Total) <= 0.0216 tons/yr. Annual emission limit based on Cobalt, Dimethylbenz(a)anthracene (7,12-), Formaldehyde, and Nickel emissions. [N.J.A.C. 7:27-22.16(a)]	HAPs (Total): Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	HAPs (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.
7	Cobalt Emissions <= 0.000024 tons/yr (0.048 lb/yr). Annual emission rate of this HAP based on annual natural gas usage (MMft^3/yr). [N.J.A.C. 7:27-22.16(a)]	Cobalt Emissions: Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	Cobalt Emissions: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.
8	Dimethylbenz(a)anthracene (7,12-) <= 0.000004 tons/yr (0.008 lb/yr). Annual emission rate of this HAP based on annual natural gas usage (MMft^3/yr). [N.J.A.C. 7:27-22.16(a)]	Dimethylbenz(a)anthracene (7,12-): Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	Dimethylbenz(a)anthracene (7,12-): Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
9	Formaldehyde <= 0.021 tons/yr (42.26 lb/yr). Annual emission rate of this HAP based on annual natural gas usage (MMft^3/yr). [N.J.A.C. 7:27-22.16(a)]	Formaldehyde: Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	Formaldehyde: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.
10	Nickel Emissions <= 0.00059 tons/yr (1.176 lb/yr). Annual emission rate of this HAP based on annual natural gas usage (MMft^3/yr). [N.J.A.C. 7:27-22.16(a)]	Nickel Emissions: Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	Nickel Emissions: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Boilers 1-5 MMBtu/hr NG**
Operating Scenario: **OS1 Public Safety Building 1.26 MMBtu/hr, OS2 Public Safety Building 1.26 MMBtu/hr**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.52 lb/hr (PT58). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 1.26 MMBTU/hr (HHV) (each). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate[N.J.A.C. 7:27-22.16(o)].	None.
3	NOx (Total) <= 0.12 lb/hr (each). Maximum emission rate based on AP-42 emission factor (0.098 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	CO <= 0.1 lb/hr (each). Maximum emission rate based on AP-42 emission factor (0.082 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	TSP < 0.05 lb/hr (below de minimus). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Cobalt Emissions <= 1.1E-7 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000084 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	Dimethylbenz(a)anthracene (7,12-) <= 2.0E-8 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000016 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Formaldehyde <= 0.000095 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.07548 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Nickel Emissions <= 0.00000265 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.0021 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Boilers 1-5 MMBtu/hr NG**
Operating Scenario: **OS3 6000 Waller Halll (Short Course Bldg) 1.738 MMBtu/hr**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.04 lb/hr (PT1). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 1.738 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate[N.J.A.C. 7:27-22.16(o)].	None.
3	NOx (Total) <= 0.17 lb/hr. Maximum emission rate based on AP-42 emission factor (0.098 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	CO <= 0.14 lb/hr. Maximum emission rate based on AP-42 emission factor (0.082 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	TSP < 0.05 lb/hr (below de minimus). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Cobalt Emissions <= 1.5E-7 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000084 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	Dimethylbenz(a)anthracene (7,12-) <= 2.8E-8 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000016 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Formaldehyde <= 0.00013 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.07548 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Nickel Emissions <= 0.00000365 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.0021 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Boilers 1-5 MMBtu/hr NG**
Operating Scenario: **OS4 6002 Florticulture Greenhouse 4.113 MMbtu/hr**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 5.15 lb/hr (PT2). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 4.113 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate[N.J.A.C. 7:27-22.16(o)].	None.
3	NOx (Total) <= 0.4 lb/hr. Maximum emission rate based on AP-42 emission factor (0.098 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	CO <= 0.34 lb/hr. Maximum emission rate based on AP-42 emission factor (0.082 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	TSP < 0.05 lb/hr (below de minimus). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Cobalt Emissions <= 0.00000035 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000084 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	Dimethylbenz(a)anthracene (7,12-) <= 0.000000066 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000016 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Formaldehyde <= 0.00031 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.07548 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Nickel Emissions <= 0.00000864 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.0021 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Boilers 1-5 MMBtu/hr NG**
Operating Scenario: **OS5 6002 Florticulture Greenhouse 4.474 MMBtu/hr**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 5.15 lb/hr (PT2). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 4.474 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate[N.J.A.C. 7:27-22.16(o)].	None.
3	NOx (Total) <= 0.44 lb/hr. Maximum emission rate based on AP-42 emission factor (0.098 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	CO <= 0.37 lb/hr. Maximum emission rate based on AP-42 emission factor (0.082 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	TSP < 0.05 lb/hr (below de minimus). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Cobalt Emissions <= 0.00000038 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000084 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	Dimethylbenz(a)anthracene (7,12-) <= 0.000000072 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000016 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Formaldehyde <= 0.00034 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.07548 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Nickel Emissions <= 0.0000094 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.0021 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Boilers 1-5 MMBtu/hr NG**
Operating Scenario: **OS6 6005 Blake Hall 4.119 MMBtu/hr**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 4.86 lb/hr (PT3). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 4.119 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate[N.J.A.C. 7:27-22.16(o)].	None.
3	NOx (Total) <= 0.4 lb/hr. Maximum emission rate based on AP-42 emission factor (0.098 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	CO <= 0.34 lb/hr. Maximum emission rate based on AP-42 emission factor (0.082 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	TSP < 0.05 lb/hr (below de minimus). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Cobalt Emissions <= 0.00000035 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000084 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	Dimethylbenz(a)anthracene (7,12-) <= 0.000000066 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000016 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Formaldehyde <= 0.00031 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.07548 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Nickel Emissions <= 0.0000087 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.0021 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Boilers 1-5 MMBtu/hr NG**
Operating Scenario: **OS7 6005 Blake Hall 3.99 MMBtu/hr**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 4.86 lb/hr (PT3). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 3.99 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate[N.J.A.C. 7:27-22.16(o)].	None.
3	NOx (Total) <= 0.39 lb/hr. Maximum emission rate based on AP-42 emission factor (0.098 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	CO <= 0.33 lb/hr. Maximum emission rate based on AP-42 emission factor (0.082 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	TSP < 0.05 lb/hr (below de minimus). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Cobalt Emissions <= 3.4E-7 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000084 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	Dimethylbenz(a)anthracene (7,12-) <= 0.000000064 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000016 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Formaldehyde <= 0.0003 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.07548 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Nickel Emissions <= 0.0000084 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.0021 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Boilers 1-5 MMBtu/hr NG**
Operating Scenario: **OS8 6006 Martin Hall Cook College Admin Bldg 2.396 MMBtu/hr**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.44 lb/hr (PT4). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 2.396 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate[N.J.A.C. 7:27-22.16(o)].	None.
3	NOx (Total) <= 0.23 lb/hr. Maximum emission rate based on AP-42 emission factor (0.098 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	CO <= 0.2 lb/hr. Maximum emission rate based on AP-42 emission factor (0.082 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	TSP < 0.05 lb/hr (below de minimus). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Cobalt Emissions <= 2.0E-7 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000084 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	Dimethylbenz(a)anthracene (7,12-) <= 3.8E-8 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000016 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Formaldehyde <= 0.00018 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.07548 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	Formaldehyde: Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27-22.16(o)]	None.
9	Nickel Emissions <= 0.000005 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.0021 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	Nickel Emissions: Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Boilers 1-5 MMBtu/hr NG**
Operating Scenario: **OS9 6008 Farm Crops Greenhouse 1.53 MMBtu/hr**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.92 lb/hr (PT5). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 1.53 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate[N.J.A.C. 7:27-22.16(o)].	None.
3	NOx (Total) <= 0.15 lb/hr. Maximum emission rate based on AP-42 emission factor (0.098 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	CO <= 0.13 lb/hr. Maximum emission rate based on AP-42 emission factor (0.082 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	TSP < 0.05 lb/hr (below de minimus). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Cobalt Emissions <= 0.00000013 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000084 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	Dimethylbenz(a)anthracene (7,12-) <= 0.000000024 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000016 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Formaldehyde <= 0.00012 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.07548 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Nickel Emissions <= 0.0000032 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.0021 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Boilers 1-5 MMBtu/hr NG**
Operating Scenario: **OS10 6014 Plant Physiology 1.155 MMBtu/hr**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.69 lb/hr (PT6). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 1.155 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate[N.J.A.C. 7:27-22.16(o)].	None.
3	NOx (Total) <= 0.11 lb/hr. Maximum emission rate based on AP-42 emission factor (0.098 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	CO <= 0.09 lb/hr. Maximum emission rate based on AP-42 emission factor (0.082 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	TSP < 0.05 lb/hr (below de minimus). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Cobalt Emissions <= 0.0000001 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000084 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	Dimethylbenz(a)anthracene (7,12-) <= 0.000000018 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000016 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Formaldehyde <= 0.000087 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.07548 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Nickel Emissions <= 0.0000024 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.0021 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Boilers 1-5 MMBtu/hr NG**
Operating Scenario: **OS11 6024 Bartlett Hall Annex Blr 1 4.11 MMBtu/hr**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 2.47 lb/hr (PT75). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 4.11 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate[N.J.A.C. 7:27-22.16(o)].	None.
3	NOx (Total) <= 0.4 lb/hr. Maximum emission rate based on AP-42 emission factor (0.098 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	CO <= 0.34 lb/hr. Maximum emission rate based on AP-42 emission factor (0.082 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	TSP < 0.05 lb/hr (below de minimus). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Cobalt Emissions <= 3.5E-7 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000084 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	Dimethylbenz(a)anthracene (7,12-) <= 0.000000066 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000016 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Formaldehyde <= 0.00031 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.07548 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Nickel Emissions <= 0.0000086 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.0021 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Boilers 1-5 MMBtu/hr NG**
Operating Scenario: **OS12 6024 Bartlett Hall Annex Blr 2 3.17 MMBtu/hr**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.9 lb/hr (PT76). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 3.17 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate[N.J.A.C. 7:27-22.16(o)].	None.
3	NOx (Total) <= 0.31 lb/hr. Maximum emission rate based on AP-42 emission factor (0.098 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	CO <= 0.26 lb/hr. Maximum emission rate based on AP-42 emission factor (0.082 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	TSP < 0.05 lb/hr (below de minimus). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Cobalt Emissions <= 0.00000027 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000084 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	Dimethylbenz(a)anthracene (7,12-) <= 0.000000051 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000016 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Formaldehyde <= 0.00024 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.07548 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Nickel Emissions <= 0.0000067 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.0021 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Boilers 1-5 MMBtu/hr NG**
Operating Scenario: **OS13 6024 Bartlett Hall (Main Bldg) 2.718 MMBtu/hr**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 3.67 lb/hr (PT9). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 2.718 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate[N.J.A.C. 7:27-22.16(o)].	None.
3	NOx (Total) <= 0.27 lb/hr. Maximum emission rate based on AP-42 emission factor (0.098 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	CO <= 0.22 lb/hr. Maximum emission rate based on AP-42 emission factor (0.082 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	TSP < 0.05 lb/hr (below de minimus). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Cobalt Emissions <= 2.3E-7 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000084 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	Dimethylbenz(a)anthracene (7,12-) <= 4.3E-8 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000016 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Formaldehyde <= 0.00021 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.07548 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Nickel Emissions <= 0.0000057 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.0021 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Boilers 1-5 MMBtu/hr NG**
Operating Scenario: **OS14 6024 Bartlett Hall (Main Bldg) 1.7 MMBtu/hr, OS15 6024 Bartlett Hall (Main Bldg) 1.7 MMBtu/hr**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 3.67 lb/hr (PT9). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 1.7 MMBTU/hr (HHV) (each). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate[N.J.A.C. 7:27-22.16(o)].	None.
3	NOx (Total) <= 0.17 lb/hr (each). Maximum emission rate based on AP-42 emission factor (0.098 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	CO <= 0.14 lb/hr (each). Maximum emission rate based on AP-42 emission factor (0.082 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	TSP < 0.05 lb/hr (below de minimus). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Cobalt Emissions <= 0.00000014 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000084 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	Dimethylbenz(a)anthracene (7,12-) <= 0.000000027 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000016 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Formaldehyde <= 0.00013 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.07548 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Nickel Emissions <= 0.0000036 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.0021 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Boilers 1-5 MMBtu/hr NG**
Operating Scenario: **OS16 6025 Lipmann Hall 4.293 MMBtu/hr**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 5.05 lb/hr (PT10). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 4.293 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate[N.J.A.C. 7:27-22.16(o)].	None.
3	NOx (Total) <= 0.42 lb/hr. Maximum emission rate based on AP-42 emission factor (0.098 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	CO <= 0.35 lb/hr. Maximum emission rate based on AP-42 emission factor (0.082 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	TSP < 0.05 lb/hr (below de minimus). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Cobalt Emissions <= 0.00000036 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000084 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	Dimethylbenz(a)anthracene (7,12-) <= 0.000000069 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000016 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Formaldehyde <= 0.00032 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.07548 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Nickel Emissions <= 0.000009 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.0021 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Boilers 1-5 MMBtu/hr NG**
Operating Scenario: **OS17 6025 Lipmann Hall 4.113 MMBtu/hr**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 5.05 lb/hr (PT10). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 4.113 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate[N.J.A.C. 7:27-22.16(o)].	None.
3	NOx (Total) <= 0.4 lb/hr. Maximum emission rate based on AP-42 emission factor (0.098 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	CO <= 0.34 lb/hr. Maximum emission rate based on AP-42 emission factor (0.082 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	TSP < 0.05 lb/hr (below de minimus). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Cobalt Emissions <= 0.00000035 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000084 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	Dimethylbenz(a)anthracene (7,12-) <= 0.000000066 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000016 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Formaldehyde <= 0.00031 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.07548 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Nickel Emissions <= 0.0000086 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.0021 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Boilers 1-5 MMBtu/hr NG**
Operating Scenario: **OS18 Bioresource Engineering 2.382 MMBtu/hr**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.43 lb/hr (PT13). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 2.382 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate[N.J.A.C. 7:27-22.16(o)].	None.
3	NOx (Total) <= 0.23 lb/hr. Maximum emission rate based on AP-42 emission factor (0.098 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	CO <= 0.2 lb/hr. Maximum emission rate based on AP-42 emission factor (0.082 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	TSP < 0.05 lb/hr (below de minimus). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Cobalt Emissions <= 0.0000002 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000084 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	Dimethylbenz(a)anthracene (7,12-) <= 0.000000038 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000016 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Formaldehyde <= 0.00018 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.07548 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Nickel Emissions <= 0.000005 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.0021 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Boilers 1-5 MMBtu/hr NG**
Operating Scenario: **OS19 6109 Llabor Ed Clvr Brooks 1 1.674 MMBtu/hr, OS20 6109 Labor Ed Clvr Brooks 2 1.674 MMBtu/hr**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 2.01 lb/hr (PT61). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 1.674 MMBTU/hr (HHV) (each). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate[N.J.A.C. 7:27-22.16(o)].	None.
3	NOx (Total) <= 0.16 lb/hr (each). Maximum emission rate based on AP-42 emission factor (0.098 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	CO <= 0.14 lb/hr (each). Maximum emission rate based on AP-42 emission factor (0.082 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	TSP < 0.05 lb/hr (below de minimus). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Cobalt Emissions <= 0.00000014 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000084 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	Dimethylbenz(a)anthracene (7,12-) <= 2.7E-8 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000016 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Formaldehyde <= 0.00013 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.07548 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Nickel Emissions <= 0.0000035 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.0021 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Boilers 1-5 MMBtu/hr NG**
Operating Scenario: **OS21 6116 Lab Annex 1.773 MMBtu/hr**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.06 lb/hr (PT16). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 1.773 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate[N.J.A.C. 7:27-22.16(o)].	None.
3	NOx (Total) <= 0.17 lb/hr. Maximum emission rate based on AP-42 emission factor (0.098 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	CO <= 0.15 lb/hr. Maximum emission rate based on AP-42 emission factor (0.082 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	TSP < 0.05 lb/hr (below de minimus). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Cobalt Emissions <= 0.00000015 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000084 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	Dimethylbenz(a)anthracene (7,12-) <= 0.000000028 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000016 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Formaldehyde <= 0.00013 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.07548 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Nickel Emissions <= 0.0000037 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.0021 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Boilers 1-5 MMBtu/hr NG**
Operating Scenario: **OS22 6246 Food Science Weil McLain Blr 1 NG 3.965 MMBtu/hr**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 6.32 lb/hr (PT17). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 3.965 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate[N.J.A.C. 7:27-22.16(o)].	None.
3	NOx (Total) <= 0.4 lb/hr. Maximum emission rate based on AP-42 emission factor (0.098 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	CO <= 0.34 lb/hr. Maximum emission rate based on AP-42 emission factor (0.082 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	TSP < 0.05 lb/hr (below de minimus). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Cobalt Emissions <= 0.00000033 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000084 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	Dimethylbenz(a)anthracene (7,12-) <= 0.000000063 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000016 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Formaldehyde <= 0.0003 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.07548 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Nickel Emissions <= 0.0000083 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.0021 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Boilers 1-5 MMBtu/hr NG**
Operating Scenario: **OS23 6246 Food Science Weil McLain Blr 2 NG 3.428 MMBtu/hr**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 6.32 lb/hr (PT17). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 3.428 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate[N.J.A.C. 7:27-22.16(o)].	None.
3	NOx (Total) <= 0.34 lb/hr. Maximum emission rate based on AP-42 emission factor (0.098 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	CO <= 0.28 lb/hr. Maximum emission rate based on AP-42 emission factor (0.082 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	TSP < 0.05 lb/hr (below de minimus). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Cobalt Emissions <= 2.9E-7 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000084 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	Dimethylbenz(a)anthracene (7,12-) <= 5.5E-8 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000016 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Formaldehyde <= 0.00026 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.07548 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Nickel Emissions <= 0.0000072 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.0021 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Boilers 1-5 MMBtu/hr NG**
Operating Scenario: **OS24 6246 Food Science 4.184 MMBtu/hr**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 6.32 lb/hr (PT17). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 4.184 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate[N.J.A.C. 7:27-22.16(o)].	None.
3	NOx (Total) <= 0.41 lb/hr. Maximum emission rate based on AP-42 emission factor (0.098 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	CO <= 0.34 lb/hr. Maximum emission rate based on AP-42 emission factor (0.082 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	TSP < 0.05 lb/hr (below de minimus). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Cobalt Emissions <= 0.00000035 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000084 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	Dimethylbenz(a)anthracene (7,12-) <= 0.000000067 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000016 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Formaldehyde <= 0.00032 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.07548 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Nickel Emissions <= 0.0000088 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.0021 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Boilers 1-5 MMBtu/hr NG**
Operating Scenario: **OS25 6248 Hort Lab Blr. NG 1.26 MMBtu/hr**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.76 lb/hr (PT19). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 1.26 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate[N.J.A.C. 7:27-22.16(o)].	None.
3	NOx (Total) <= 0.12 lb/hr. Maximum emission rate based on AP-42 emission factor (0.098 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	CO <= 0.1 lb/hr. Maximum emission rate based on AP-42 emission factor (0.082 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	TSP < 0.05 lb/hr (below de minimus). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Cobalt Emissions <= 0.00000011 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000084 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	Dimethylbenz(a)anthracene (7,12-) <= 0.00000002 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000016 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Formaldehyde <= 0.000095 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.07548 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Nickel Emissions <= 0.0000027 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.0021 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Boilers 1-5 MMBtu/hr NG**
Operating Scenario: **OS26 6278 Cook Admin (PAL Bldg) 2.219 MMBtu/hr**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.33 lb/hr (PT20). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 2.219 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate[N.J.A.C. 7:27-22.16(o)].	None.
3	NOx (Total) <= 0.22 lb/hr. Maximum emission rate based on AP-42 emission factor (0.098 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	CO <= 0.18 lb/hr. Maximum emission rate based on AP-42 emission factor (0.082 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	TSP < 0.05 lb/hr (below de minimus). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Cobalt Emissions <= 0.00000019 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000084 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	Dimethylbenz(a)anthracene (7,12-) <= 0.000000036 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000016 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Formaldehyde <= 0.00017 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.07548 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Nickel Emissions <= 0.0000047 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.0021 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Boilers 1-5 MMBtu/hr NG**
Operating Scenario: **OS27 6280 Newell Central Heating Plant 4.55 MMBtu/hr**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 2.73 lb/hr (PT23). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 4.55 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate[N.J.A.C. 7:27-22.16(o)].	None.
3	NOx (Total) <= 0.45 lb/hr. Maximum emission rate based on AP-42 emission factor (0.098 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	CO <= 0.37 lb/hr. Maximum emission rate based on AP-42 emission factor (0.082 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	TSP < 0.05 lb/hr (below de minimus). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Cobalt Emissions <= 0.00000038 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000084 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	Dimethylbenz(a)anthracene (7,12-) <= 0.000000073 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000016 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Formaldehyde <= 0.00034 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.07548 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Nickel Emissions <= 0.0000096 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.0021 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Boilers 1-5 MMBtu/hr NG**
Operating Scenario: **OS28 6329 Research Green House 2.55 MMBtu/hr, OS29 6329 Research Green House 2.55 MMBtu/hr**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 3.06 lb/hr (PT25). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 2.55 MMBTU/hr (HHV) (each). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate[N.J.A.C. 7:27-22.16(o)].	None.
3	NOx (Total) <= 0.25 lb/hr (each). Maximum emission rate based on AP-42 emission factor (0.098 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	CO <= 0.21 lb/hr (each). Maximum emission rate based on AP-42 emission factor (0.082 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	TSP < 0.05 lb/hr (below de minimus). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Cobalt Emissions <= 0.00000021 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000084 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	Dimethylbenz(a)anthracene (7,12-) <= 0.000000041 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000016 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Formaldehyde <= 0.00019 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.07548 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Nickel Emissions <= 0.0000054 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.0021 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Boilers 1-5 MMBtu/hr NG**
Operating Scenario: **OS30 6330 Environmentaal & Natural Resources 3.35 MMBtu/hr**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 5.15 lb/hr (PT26). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 3.35 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate[N.J.A.C. 7:27-22.16(o)].	None.
3	NOx (Total) <= 0.33 lb/hr. Maximum emission rate based on AP-42 emission factor (0.098 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	CO <= 0.27 lb/hr. Maximum emission rate based on AP-42 emission factor (0.082 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	TSP < 0.05 lb/hr (below de minimus). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Cobalt Emissions <= 2.8E-7 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000084 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	Dimethylbenz(a)anthracene (7,12-) <= 0.000000054 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000016 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Formaldehyde <= 0.00025 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.07548 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Nickel Emissions <= 0.000007 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.0021 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Boilers 1-5 MMBtu/hr NG**
Operating Scenario: **OS31 6347 Foran Hall 1.24 MMBtu/hr**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 8.12 lb/hr (PT28). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 1.24 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate[N.J.A.C. 7:27-22.16(o)].	None.
3	NOx (Total) <= 0.12 lb/hr. Maximum emission rate based on AP-42 emission factor (0.098 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	CO <= 0.1 lb/hr. Maximum emission rate based on AP-42 emission factor (0.082 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	TSP < 0.05 lb/hr (below de minimus). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Cobalt Emissions <= 0.0000001 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000084 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	Dimethylbenz(a)anthracene (7,12-) <= 0.00000002 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000016 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Formaldehyde <= 0.000094 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.07548 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Nickel Emissions <= 0.0000026 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.0021 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Boilers 1-5 MMBtu/hr NG**
Operating Scenario: **OS32 6350 Marine Sciences Bldg 3.99 MMBtu/hr, OS33 6350 Marine Sciences Bldg 3.99 MMBtu/hr**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 6.35 lb/hr (PT30). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 3.99 MMBTU/hr (HHV) (each). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate[N.J.A.C. 7:27-22.16(o)].	None.
3	NOx (Total) <= 0.39 lb/hr (each). Maximum emission rate based on AP-42 emission factor (0.098 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	CO <= 0.33 lb/hr (each). Maximum emission rate based on AP-42 emission factor (0.082 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	TSP < 0.05 lb/hr (below de minimus). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Cobalt Emissions <= 3.4E-7 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000084 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	Dimethylbenz(a)anthracene (7,12-) <= 0.000000064 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000016 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Formaldehyde <= 0.0003 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.07548 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Nickel Emissions <= 0.0000084 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.0021 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Boilers 1-5 MMBtu/hr NG**
Operating Scenario: **OS34 6350 Marine Sciences Bldg 3.773 MMBtu/hr**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 6.35 lb/hr (PT30). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 3.773 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate[N.J.A.C. 7:27-22.16(o)].	None.
3	NOx (Total) <= 0.37 lb/hr. Maximum emission rate based on AP-42 emission factor (0.098 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	CO <= 0.31 lb/hr. Maximum emission rate based on AP-42 emission factor (0.082 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	TSP < 0.05 lb/hr (below de minimus). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Cobalt Emissions <= 0.00000032 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000084 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	Dimethylbenz(a)anthracene (7,12-) <= 0.00000006 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000016 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Formaldehyde <= 0.00028 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.07548 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Nickel Emissions <= 0.0000079 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.0021 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Boilers 1-5 MMBtu/hr NG**

Operating Scenario: **OS35 6432 Boiler 1 2 MMBtu/hr, OS36 6432 Boiler 2 2 MMBtu/hr, OS37 6432 Boiler 3 2 MMBtu/hr, OS38 7599 ASB II 2.0 MMBtu/hr, OS39 7599 ASB II 2.0 MMBtu/hr**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.2 lb/hr (PT631, PT632, PT633, PT571, & PT572, each). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 2 MMBTU/hr (HHV) (each). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate[N.J.A.C. 7:27-22.16(o)].	None.
3	NOx (Total) <= 0.2 lb/hr (each). Maximum emission rate based on AP-42 emission factor (0.098 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	CO <= 0.16 lb/hr (each). Maximum emission rate based on AP-42 emission factor (0.082 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	TSP < 0.05 lb/hr (below de minimus). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Cobalt Emissions <= 1.7E-7 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000084 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	Dimethylbenz(a)anthracene (7,12-) <= 0.000000032 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000016 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Formaldehyde <= 0.00015 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.07548 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
9	Nickel Emissions <= 0.0000042 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.0021 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Boilers 1-5 MMBtu/hr NG**
Operating Scenario: **OS40 8302 Chemistry Bldg 4.113 MMBtu/hr**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 4.37 lb/hr (PT31). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 4.113 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate[N.J.A.C. 7:27-22.16(o)].	None.
3	NOx (Total) <= 0.4 lb/hr. Maximum emission rate based on AP-42 emission factor (0.098 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	CO <= 0.34 lb/hr. Maximum emission rate based on AP-42 emission factor (0.082 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	TSP < 0.05 lb/hr (below de minimus). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Cobalt Emissions <= 0.00000035 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000084 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	Dimethylbenz(a)anthracene (7,12-) <= 0.000000066 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000016 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Formaldehyde <= 0.00031 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.07548 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Nickel Emissions <= 0.0000086 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.0021 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Boilers 1-5 MMBtu/hr NG**
Operating Scenario: **OS41 8302 Chemistry Bldg 3.172 MMBtu/hr**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 4.37 lb/hr (PT31). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 3.172 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate[N.J.A.C. 7:27-22.16(o)].	None.
3	NOx (Total) <= 0.31 lb/hr. Maximum emission rate based on AP-42 emission factor (0.098 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	CO <= 0.26 lb/hr. Maximum emission rate based on AP-42 emission factor (0.082 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	TSP < 0.05 lb/hr (below de minimus). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Cobalt Emissions <= 0.00000027 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000084 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	Dimethylbenz(a)anthracene (7,12-) <= 0.000000051 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000016 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Formaldehyde <= 0.00024 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.07548 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Nickel Emissions <= 0.0000067 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.0021 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Boilers 1-5 MMBtu/hr NG**
Operating Scenario: **OS42 8303 Ruth Adams Language Arts 3.99 MMBtu/hr, OS43 8303 Ruth Adams Language Arts 3.99 MMBtu/hr**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 4.78 lb/hr (PT32). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 3.99 MMBTU/hr (HHV) (each). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate[N.J.A.C. 7:27-22.16(o)].	None.
3	NOx (Total) <= 0.39 lb/hr (each). Maximum emission rate based on AP-42 emission factor (0.098 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	CO <= 0.33 lb/hr (each). Maximum emission rate based on AP-42 emission factor (0.082 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	TSP < 0.05 lb/hr (below de minimus). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Cobalt Emissions <= 0.00000034 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000084 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	Dimethylbenz(a)anthracene (7,12-) <= 0.000000064 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000016 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Formaldehyde <= 0.0003 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.07548 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Nickel Emissions <= 0.0000084 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.0021 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Boilers 1-5 MMBtu/hr NG**
Operating Scenario: **OS44 8307 Voorhees Chapel 4.199 MMBtu/hr**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 2.52 lb/hr (PT56). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 4.199 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate[N.J.A.C. 7:27-22.16(o)].	None.
3	NOx (Total) <= 0.41 lb/hr. Maximum emission rate based on AP-42 emission factor (0.098 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	CO <= 0.34 lb/hr. Maximum emission rate based on AP-42 emission factor (0.082 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	TSP < 0.05 lb/hr (below de minimus). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Cobalt Emissions <= 0.00000035 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000084 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	Dimethylbenz(a)anthracene (7,12-) <= 0.000000067 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000016 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Formaldehyde <= 0.00032 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.07548 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Nickel Emissions <= 0.0000088 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.0021 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Boilers 1-5 MMBtu/hr NG**
Operating Scenario: **OS45 8310 Music Bldg (old) 4.718 MMBtu/hr**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 2.83 lb/hr (PT33). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 4.718 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate[N.J.A.C. 7:27-22.16(o)].	None.
3	NOx (Total) <= 0.46 lb/hr. Maximum emission rate based on AP-42 emission factor (0.098 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	CO <= 0.39 lb/hr. Maximum emission rate based on AP-42 emission factor (0.082 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	TSP < 0.05 lb/hr (below de minimus). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Cobalt Emissions <= 0.0000004 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000084 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	Dimethylbenz(a)anthracene (7,12-) <= 0.000000075 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000016 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Formaldehyde <= 0.00036 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.07548 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Nickel Emissions <= 0.0000099 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.0021 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Boilers 1-5 MMBtu/hr NG**
Operating Scenario: **OS46 8320 Douglass College Cntr 4.113 MMBtu/hr**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 2.47 lb/hr (PT35). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 4.113 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate[N.J.A.C. 7:27-22.16(o)].	None.
3	NOx (Total) <= 0.4 lb/hr. Maximum emission rate based on AP-42 emission factor (0.098 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	CO <= 0.34 lb/hr. Maximum emission rate based on AP-42 emission factor (0.082 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	TSP < 0.05 lb/hr (below de minimus). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Cobalt Emissions <= 0.00000035 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000084 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	Dimethylbenz(a)anthracene (7,12-) <= 0.000000066 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000016 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Formaldehyde <= 0.00031 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.07548 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Nickel Emissions <= 0.0000086 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.0021 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Boilers 1-5 MMBtu/hr NG**
Operating Scenario: **OS47 8321 Loree Gym 4.119 MMBtu/hr**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 2.47 lb/hr (PT36). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 4.119 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate[N.J.A.C. 7:27-22.16(o)].	None.
3	NOx (Total) <= 0.4 lb/hr. Maximum emission rate based on AP-42 emission factor (0.098 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	CO <= 0.34 lb/hr. Maximum emission rate based on AP-42 emission factor (0.082 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	TSP < 0.05 lb/hr (below de minimus). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Cobalt Emissions <= 0.00000035 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000084 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	Dimethylbenz(a)anthracene (7,12-) <= 0.000000066 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000016 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Formaldehyde <= 0.00031 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.07548 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Nickel Emissions <= 0.0000087 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.0021 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Boilers 1-5 MMBtu/hr NG**
Operating Scenario: **OS48 8322 Davison Hall 3.4 MMBtu/hr**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 4.43 lb/hr (PT37). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 3.4 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate[N.J.A.C. 7:27-22.16(o)].	None.
3	NOx (Total) <= 0.33 lb/hr. Maximum emission rate based on AP-42 emission factor (0.098 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	CO <= 0.28 lb/hr. Maximum emission rate based on AP-42 emission factor (0.082 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	TSP < 0.05 lb/hr (below de minimus). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Cobalt Emissions <= 0.00000029 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000084 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	Dimethylbenz(a)anthracene (7,12-) <= 0.000000054 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000016 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Formaldehyde <= 0.00026 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.07548 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Nickel Emissions <= 0.0000071 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.0021 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Boilers 1-5 MMBtu/hr NG**
Operating Scenario: **OS49 8322 Davison Hall 3.99 MMBtu/hr**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 4.43 lb/hr (PT37). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 3.99 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate[N.J.A.C. 7:27-22.16(o)].	None.
3	NOx (Total) <= 0.39 lb/hr. Maximum emission rate based on AP-42 emission factor (0.098 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	CO <= 0.33 lb/hr. Maximum emission rate based on AP-42 emission factor (0.082 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	TSP < 0.05 lb/hr (below de minimus). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Cobalt Emissions <= 0.00000034 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000084 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	Dimethylbenz(a)anthracene (7,12-) <= 0.000000064 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000016 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Formaldehyde <= 0.0003 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.07548 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Nickel Emissions <= 0.0000084 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.0021 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Boilers 1-5 MMBtu/hr NG**
Operating Scenario: **OS50 8328 Facilities Services Building 2.0 MMBtu.hr Blr NG**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.2 lb/hr (PT38). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 2 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate[N.J.A.C. 7:27-22.16(o)].	None.
3	NOx (Total) <= 0.2 lb/hr. Maximum emission rate based on AP-42 emission factor (0.098 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	CO <= 0.16 lb/hr. Maximum emission rate based on AP-42 emission factor (0.082 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	TSP < 0.05 lb/hr (below de minimus). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Cobalt Emissions <= 0.00000017 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000084 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	Dimethylbenz(a)anthracene (7,12-) <= 0.000000032 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000016 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Formaldehyde <= 0.00015 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.07548 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Nickel Emissions <= 0.0000042 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.0021 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Boilers 1-5 MMBtu/hr NG**
Operating Scenario: **OS51 8329 Neilson Res. Hall - Woodbury Hall 3.99 MMBtu/hr**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 4.42 lb/hr (PT39). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 3.99 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate[N.J.A.C. 7:27-22.16(o)].	None.
3	NOx (Total) <= 0.39 lb/hr. Maximum emission rate based on AP-42 emission factor (0.098 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	CO <= 0.33 lb/hr. Maximum emission rate based on AP-42 emission factor (0.082 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	TSP < 0.05 lb/hr (below de minimus). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Cobalt Emissions <= 0.00000034 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000084 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	Dimethylbenz(a)anthracene (7,12-) <= 0.000000064 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000016 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Formaldehyde <= 0.0003 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.07548 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Nickel Emissions <= 0.0000084 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.0021 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Boilers 1-5 MMBtu/hr NG**
Operating Scenario: **OS52 8329 Neilson Res. Hall - Woodbury Hall 3.39 MMBtu/hr**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 4.42 lb/hr (PT39). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 3.39 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate[N.J.A.C. 7:27-22.16(o)].	None.
3	NOx (Total) <= 0.33 lb/hr. Maximum emission rate based on AP-42 emission factor (0.098 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	CO <= 0.28 lb/hr. Maximum emission rate based on AP-42 emission factor (0.082 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	TSP < 0.05 lb/hr (below de minimus). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Cobalt Emissions <= 0.00000028 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000084 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	Dimethylbenz(a)anthracene (7,12-) <= 0.000000054 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000016 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Formaldehyde <= 0.00026 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.07548 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Nickel Emissions <= 0.0000071 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.0021 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Boilers 1-5 MMBtu/hr NG**
Operating Scenario: **OS53 8330 Neilson Res. Hall - Nicholas Hall 3.753 MMBtu/hr**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 4.64 lb/hr (PT40). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 3.753 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate[N.J.A.C. 7:27-22.16(o)].	None.
3	NOx (Total) <= 0.37 lb/hr. Maximum emission rate based on AP-42 emission factor (0.098 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	CO <= 0.31 lb/hr. Maximum emission rate based on AP-42 emission factor (0.082 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	TSP < 0.05 lb/hr (below de minimus). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Cobalt Emissions <= 0.00000032 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000084 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	Dimethylbenz(a)anthracene (7,12-) <= 0.00000006 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000016 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Formaldehyde <= 0.00028 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.07548 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Nickel Emissions <= 0.0000079 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.0021 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Boilers 1-5 MMBtu/hr NG**
Operating Scenario: **OS54 8330 Neilson Res. Hall - Nicholas Hall 3.99 MMBtu/hr**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 4.64 lb/hr (PT40). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 3.99 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate[N.J.A.C. 7:27-22.16(o)].	None.
3	NOx (Total) <= 0.39 lb/hr. Maximum emission rate based on AP-42 emission factor (0.098 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	CO <= 0.33 lb/hr. Maximum emission rate based on AP-42 emission factor (0.082 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	TSP < 0.05 lb/hr (below de minimus). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Cobalt Emissions <= 0.00000034 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000084 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	Dimethylbenz(a)anthracene (7,12-) <= 0.000000064 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000016 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Formaldehyde <= 0.0003 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.07548 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Nickel Emissions <= 0.0000084 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.0021 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Boilers 1-5 MMBtu/hr NG**
Operating Scenario: **OS55 8331 Neilson Res Hall - Katzenback Hall 3.753 MMBtu/hr**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 2.25 lb/hr (PT41). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 3.753 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate[N.J.A.C. 7:27-22.16(o)].	None.
3	NOx (Total) <= 0.37 lb/hr. Maximum emission rate based on AP-42 emission factor (0.098 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	CO <= 0.31 lb/hr. Maximum emission rate based on AP-42 emission factor (0.082 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	TSP < 0.05 lb/hr (below de minimus). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Cobalt Emissions <= 0.00000032 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000084 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	Dimethylbenz(a)anthracene (7,12-) <= 0.00000006 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000016 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Formaldehyde <= 0.00028 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.07548 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Nickel Emissions <= 0.0000079 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.0021 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	Nickel Emissions: Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Boilers 1-5 MMBtu/hr NG**
Operating Scenario: **OS56 8332 Neilson Res Hall - Lippincott Hall 3.753 MMBtu/hr**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 2.25 lb/hr (PT42). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 3.753 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate[N.J.A.C. 7:27-22.16(o)].	None.
3	NOx (Total) <= 0.37 lb/hr. Maximum emission rate based on AP-42 emission factor (0.098 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	CO <= 0.31 lb/hr. Maximum emission rate based on AP-42 emission factor (0.082 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	TSP < 0.05 lb/hr (below de minimus). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Cobalt Emissions <= 0.00000032 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000084 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	Dimethylbenz(a)anthracene (7,12-) <= 0.00000006 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000016 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Formaldehyde <= 0.00028 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.07548 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Nickel Emissions <= 0.0000079 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.0021 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	Nickel Emissions: Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Boilers 1-5 MMBtu/hr NG**
Operating Scenario: **OS57 8333 Neilson Dining Hall 4.113 MMBtu/hr, OS58 8333 Neilson Dining Hall 4.113 MMBtu/hr**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 4.94 lb/hr (PT43). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 4.113 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate[N.J.A.C. 7:27-22.16(o)].	None.
3	NOx (Total) <= 0.4 lb/hr. Maximum emission rate based on AP-42 emission factor (0.098 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	CO <= 0.34 lb/hr. Maximum emission rate based on AP-42 emission factor (0.082 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	TSP < 0.05 lb/hr (below de minimus). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Cobalt Emissions <= 0.00000035 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000084 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	Dimethylbenz(a)anthracene (7,12-) <= 0.000000066 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000016 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Formaldehyde <= 0.00031 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.07548 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Nickel Emissions <= 0.0000086 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.0021 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Boilers 1-5 MMBtu/hr NG**
Operating Scenario: **OS59 8334 Continuing Ed 2.31 MMBtu/hr, OS60 8334 Continuing Ed 2.31 MMBtu/hr**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 2.78 lb/hr (PT44). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 2.31 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate[N.J.A.C. 7:27-22.16(o)].	None.
3	NOx (Total) <= 0.23 lb/hr. Maximum emission rate based on AP-42 emission factor (0.098 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	CO <= 0.19 lb/hr. Maximum emission rate based on AP-42 emission factor (0.082 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	TSP < 0.05 lb/hr (below de minimus). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Cobalt Emissions <= 0.00000019 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000084 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	Dimethylbenz(a)anthracene (7,12-) <= 0.000000037 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000016 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Formaldehyde <= 0.00017 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.07548 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Nickel Emissions <= 0.0000049 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.0021 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Boilers 1-5 MMBtu/hr NG**
Operating Scenario: **OS61 8396 Jameson Auditorium (Suydam St) 3.99 MMBtu/hr**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 2.39 lb/hr (PT461). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 3.99 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate[N.J.A.C. 7:27-22.16(o)].	None.
3	NOx (Total) <= 0.39 lb/hr. Maximum emission rate based on AP-42 emission factor (0.098 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	CO <= 0.33 lb/hr. Maximum emission rate based on AP-42 emission factor (0.082 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	TSP < 0.05 lb/hr (below de minimus). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Cobalt Emissions <= 0.00000034 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000084 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	Dimethylbenz(a)anthracene (7,12-) <= 6.4E-8 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000016 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Formaldehyde <= 0.0003 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.07548 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Nickel Emissions <= 0.0000084 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.0021 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Boilers 1-5 MMBtu/hr NG**
Operating Scenario: **OS62 8396 Jameson Dorm (Suydam St) 3.392 MMBtu/hr**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 2.04 lb/hr (PT462). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 3.392 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate[N.J.A.C. 7:27-22.16(o)].	None.
3	NOx (Total) <= 0.33 lb/hr. Maximum emission rate based on AP-42 emission factor (0.098 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	CO <= 0.28 lb/hr. Maximum emission rate based on AP-42 emission factor (0.082 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	TSP < 0.05 lb/hr (below de minimus). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Cobalt Emissions <= 0.00000028 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000084 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	Dimethylbenz(a)anthracene (7,12-) <= 5.4E-8 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000016 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Formaldehyde <= 0.00026 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.07548 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Nickel Emissions <= 0.0000071 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.0021 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Boilers 1-5 MMBtu/hr NG**
Operating Scenario: **OS63 8408 Gibbons Residence Hall A 3.99 MMBtu/hr**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 2.39 lb/hr (PT47). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 3.99 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate[N.J.A.C. 7:27-22.16(o)].	None.
3	NOx (Total) <= 0.39 lb/hr. Maximum emission rate based on AP-42 emission factor (0.098 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	CO <= 0.33 lb/hr. Maximum emission rate based on AP-42 emission factor (0.082 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	TSP < 0.05 lb/hr (below de minimus). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Cobalt Emissions <= 0.00000034 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000084 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	Dimethylbenz(a)anthracene (7,12-) <= 0.000000064 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000016 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Formaldehyde <= 0.0003 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.07548 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Nickel Emissions <= 0.0000084 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.0021 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Boilers 1-5 MMBtu/hr NG**
Operating Scenario: **OS64 8408 Gibbons Residence Hall B 3.969 MMBtu/hr**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 2.38 lb/hr (PT48). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 3.969 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate[N.J.A.C. 7:27-22.16(o)].	None.
3	NOx (Total) <= 0.39 lb/hr. Maximum emission rate based on AP-42 emission factor (0.098 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	CO <= 0.33 lb/hr. Maximum emission rate based on AP-42 emission factor (0.082 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	TSP < 0.05 lb/hr (below de minimus). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Cobalt Emissions <= 0.00000033 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000084 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	Dimethylbenz(a)anthracene (7,12-) <= 0.000000064 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000016 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Formaldehyde <= 0.0003 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.07548 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Nickel Emissions <= 0.0000083 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.0021 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Boilers 1-5 MMBtu/hr NG**
Operating Scenario: **OS65 8425 Henderson Apts Blr #1 NG 1.356 MMBtu/hr, OS66 8425 Henderson Apts Blr #2 NG 1.356 MMBtu/hr**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.62 lb/hr (PT53). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 1.356 MMBTU/hr (HHV) (each). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate[N.J.A.C. 7:27-22.16(o)].	None.
3	NOx (Total) <= 0.13 lb/hr (each). Maximum emission rate based on AP-42 emission factor (0.098 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	CO <= 0.11 lb/hr (each). Maximum emission rate based on AP-42 emission factor (0.082 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	TSP < 0.05 lb/hr (below de minimus). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Cobalt Emissions <= 0.00000011 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000084 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	Dimethylbenz(a)anthracene (7,12-) <= 0.000000022 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000016 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Formaldehyde <= 0.0001 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.07548 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Nickel Emissions <= 0.0000029 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.0021 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Boilers 1-5 MMBtu/hr NG**
Operating Scenario: **OS67 8434 Nicolas Musics Center Blr 1 1 MMBtu/hr, OS68 8434 Nicolas Musics Center Blr 2 1 MMBtu/hr**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.2 lb/hr (PT62). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 1 MMBTU/hr (HHV) (each). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate[N.J.A.C. 7:27-22.16(o)].	None.
3	NOx (Total) <= 0.098 lb/hr (each). Maximum emission rate based on AP-42 emission factor (0.098 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	CO <= 0.082 lb/hr (each). Maximum emission rate based on AP-42 emission factor (0.082 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	TSP < 0.05 lb/hr (below de minimus). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Cobalt Emissions <= 8.0E-8 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000084 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	Dimethylbenz(a)anthracene (7,12-) <= 1.6E-8 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000016 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Formaldehyde <= 0.00008 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.07548 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Nickel Emissions <= 0.0000021 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.0021 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U2 Boilers 5-10 MMBtu/hr NG**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Opacity: No visible smoke except for a period of not longer than three minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-3.2(a)] & [N.J.A.C. 7:27- 3.2(c)]	None.	None.	None.
2	Fuel type limited to natural gas. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	Natural Gas Usage <= 86.64 MMft^3/yr. [N.J.A.C. 7:27-22.16(a)]	Natural Gas Usage: Monitored by gas use totalizing meter continuously installed at building. [N.J.A.C. 7:27-22.16(o)]	Natural Gas Usage: Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27-22.16(o)]	None.
4	VOC (Total) <= 0.2 tons/yr. Annual emission limit based on natural gas usage (MMft^3/yr) and AP-42 emission factor (5.5 lb/MMft^3). For OS2 & OS3. [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.
5	NOx (Total) <= 4.33 tons/yr. Annual emission limit based on natural gas usage (MMft^3/yr) and AP-42 emission factor (100 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	NOx (Total): Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	NOx (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.
6	CO <= 3.64 tons/yr. Annual emission limit based on natural gas usage (MMft^3/yr) and AP-42 emission factor (84 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	CO: Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	CO: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.
7	TSP <= 0.28 tons/yr. Annual emission limit based on natural gas usage (MMft^3/yr) and AP-42 emission factor (7.6 lb/MMft^3). For OS2 & OS3. [N.J.A.C. 7:27-22.16(a)]	TSP: Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	TSP: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.
8	PM-10 (Total) <= 0.28 tons/yr. Annual emission limit based on natural gas usage (MMft^3/yr) and AP-42 emission factor (7.6 lb/MMft^3). For OS2 & OS3. [N.J.A.C. 7:27-22.16(a)]	PM-10 (Total): Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	PM-10 (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
9	PM-2.5 (Total) <= 0.28 tons/yr. Annual emission limit based on natural gas usage (MMft^3/yr) and AP-42 emission factor (7.6 lb/MMft^3). For OS2 & OS3. [N.J.A.C. 7:27-22.16(a)]	PM-2.5 (Total): Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	PM-2.5 (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.
10	HAPs (Total) <= 0.0033 tons/yr. Annual emission rate based on Cobalt, Dimethylbenz(a)anthracene (7,12-), and Formaldehyde emissions. [N.J.A.C. 7:27-22.16(a)]	HAPs (Total): Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	HAPs (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.
11	Cobalt Emissions <= 0.0000036 tons/yr (0.00728 lb/yr). Annual emission rate of this HAP based on annual natural gas usage (MMft^3/yr). [N.J.A.C. 7:27-22.16(a)]	Cobalt Emissions: Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	Cobalt Emissions: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.
12	Dimethylbenz(a)anthracene (7,12-) <= 6.9E-7 tons/yr.(0.00139 lb/yr) Annual emission rate of this HAP based on annual natural gas usage (MMft^3/yr). [N.J.A.C. 7:27-22.16(a)]	Dimethylbenz(a)anthracene (7,12-): Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	Dimethylbenz(a)anthracene (7,12-): Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.
13	Formaldehyde <= 0.00327 tons/yr (6.54 lb/yr). Annual emission rate of this HAP based on annual natural gas usage (MMft^3/yr). [N.J.A.C. 7:27-22.16(a)]	Formaldehyde: Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	Formaldehyde: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U2 Boilers 5-10 MMBtu/hr NG**
Operating Scenario: **OS1 6330 Environmental & Natural Resources 5.23 MMBtu/hr**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 5.15 lb/hr (PT26). 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.

New Jersey Department of Environmental Protection
Facility Specific Requirements

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

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
3	The owner or operator of the adjusted equipment or source operation shall ensure that the operating parameter settings are established and recorded after the combustion process is adjusted and that the adjusted equipment or source operation is maintained to operate consistent with the annual adjustment. [N.J.A.C. 7:27-19.16(e)]	Other: Monitored by the operating parameter settings that are established after the combustion process is adjusted in order to operate consistent with the annual adjustment. [N.J.A.C. 7:27-19.16(e)].	Other: The owner or operator shall record the operating parameter settings that are established after the combustion process is adjusted and retain until the next annual adjustment, to be made readily accessible to the Department upon request. [N.J.A.C. 7:27-19.16(e)].	None.
4	Maximum Gross Heat Input <= 5.23 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate[N.J.A.C. 7:27-22.16(o)].	None.
5	NOx (Total) <= 0.51 lb/hr. Maximum emission rate based on AP-42 emission factor (0.098 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	CO <= 0.43 lb/hr. Maximum emission rate based on AP-42 emission factor (0.082 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP < 0.05 lb/hr (below de minimus). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Cobalt Emissions <= 4.4E-7 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000084 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Dimethylbenz(a)anthracene (7,12-) <= 8.4E-8 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000016 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
10	Formaldehyde <= 0.000395 tons/yr. Maximum emission rate of this HAP based on AP-42 emission factor (0.07548 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U2 Boilers 5-10 MMBtu/hr NG**
Operating Scenario: **OS2 6347 Foran Hall 9.95792 MMBtu/hr, OS3 6347 Foran Hall 9.95792 MMBtu/hr**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 8.12 lb/hr (PT28). 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.

New Jersey Department of Environmental Protection
Facility Specific Requirements

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

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
3	The owner or operator of the adjusted equipment or source operation shall ensure that the operating parameter settings are established and recorded after the combustion process is adjusted and that the adjusted equipment or source operation is maintained to operate consistent with the annual adjustment. [N.J.A.C. 7:27-19.16(e)]	Other: Monitored by the operating parameter settings that are established after the combustion process is adjusted in order to operate consistent with the annual adjustment. [N.J.A.C. 7:27-19.16(e)].	Other: The owner or operator shall record the operating parameter settings that are established after the combustion process is adjusted and retain until the next annual adjustment, to be made readily accessible to the Department upon request. [N.J.A.C. 7:27-19.16(e)].	None.
4	Maximum Gross Heat Input <= 9.95792 MMBTU/hr (HHV) (each). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate[N.J.A.C. 7:27-22.16(o)].	None.
5	VOC (Total) <= 0.054 lb/hr (each). Maximum emission rate based on AP-42 emission factor (0.0539 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	NOx (Total) <= 0.98 lb/hr (each). Maximum emission rate based on AP-42 emission factor (0.098 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	CO <= 0.82 lb/hr (each). Maximum emission rate based on AP-42 emission factor (0.082 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	TSP <= 0.074 lb/hr (each). Maximum emission rate based on AP-42 emission factor (0.00745 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	PM-10 (Total) <= 0.074 lb/hr (each). Maximum emission rate based on AP-42 emission factor (0.00745 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
10	PM-2.5 (Total) <= 0.074 lb/hr (each). Maximum emission rate based on AP-42 emission factor (0.00745 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
11	Cobalt Emissions <= 0.00000084 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000084 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
12	Dimethylbenz(a)anthracene (7,12-) <= 1.6E-7 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000016 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
13	Formaldehyde <= 0.00075 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.07548 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U3 Boilers 10-50 MMBtu/hr NG**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Summary of Applicable Federal Regulations 40 CFR 60 Subpart Dc [None]	None.	None.	None.
2	Opacity: No visible smoke except for a period of not longer than three minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-3.2(a)] & [N.J.A.C. 7:27- 3.2(c)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

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

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
4	The owner or operator of the adjusted equipment or source operation shall ensure that the operating parameter settings are established and recorded after the combustion process is adjusted and that the adjusted equipment or source operation is maintained to operate consistent with the annual adjustment. [N.J.A.C. 7:27-19.16(e)]	Other: Monitored by the operating parameter settings that are established after the combustion process is adjusted in order to operate consistent with the annual adjustment. [N.J.A.C. 7:27-19.16(e)].	Other: The owner or operator shall record the operating parameter settings that are established after the combustion process is adjusted and retain until the next annual adjustment, to be made readily accessible to the Department upon request. [N.J.A.C. 7:27-19.16(e)].	None.
5	Natural Gas Usage <= 78.55 MMft^3/yr. [N.J.A.C. 7:27-22.16(a)]	Natural Gas Usage: Monitored by gas use totalizing meter continuously installed at building. [N.J.A.C. 7:27-22.16(o)]	Natural Gas Usage: Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27-22.16(o)]	None.
6	VOC (Total) <= 0.22 tons/yr. Annual emission limit based on natural gas usage (MMft^3/yr) and AP-42 emission factor (5.5 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.
7	NOx (Total) <= 3.93 tons/yr. Annual emission limit based on natural gas usage (MMft^3/yr) and AP-42 emission factor (100 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	NOx (Total): Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	NOx (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.
8	CO <= 3.3 tons/yr. Annual emission limit based on natural gas usage (MMft^3/yr) and AP-42 emission factors (84 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	CO: Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	CO: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.
9	TSP <= 0.3 tons/yr. Annual emission limit based on annual natural gas usage (MMft^3/yr) and AP-42 emission factor (7.6 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	TSP: Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	TSP: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.
10	PM-10 (Total) <= 0.3 tons/yr. Annual emission limit based on natural gas usage (MMft^3/yr) and AP-42 emission factor (7.6 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	PM-10 (Total): Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	PM-10 (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.
11	PM-2.5 (Total) <= 0.3 tons/yr. Annual emission limit based on natural gas usage (MMft^3/yr) and AP-42 emission factor (7.6 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	PM-2.5 (Total): Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	PM-2.5 (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
12	HAPs (Total) <= 0.003 tons/yr. Annual emission rate based on Cobalt, Dimethylbenz(a)anthracene (7,12-), Formaldehyde emissions. [N.J.A.C. 7:27-22.16(a)]	HAPs (Total): Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	HAPs (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.
13	Cobalt Emissions <= 0.0000033 tons/yr (0.0066 lb/yr). Annual emission rate of this HAP based on annual natural gas usage (MMft^3/yr). [N.J.A.C. 7:27-22.16(a)]	Cobalt Emissions: Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	Cobalt Emissions: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.
14	Dimethylbenz(a)anthracene (7,12-) <= 6.3E-7 tons/yr (0.00126 lb/yr). Annual emission rate of this HAP based on annual natural gas usage (MMft^3/yr). [N.J.A.C. 7:27-22.16(a)]	Dimethylbenz(a)anthracene (7,12-): Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	Dimethylbenz(a)anthracene (7,12-): Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.
15	Formaldehyde <= 0.00296 tons/yr (5.92 lb/yr). Annual emission rate of this HAP based on annual natural gas usage (MMft^3/yr). [N.J.A.C. 7:27-22.16(a)]	Formaldehyde: Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	Formaldehyde: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U3 Boilers 10-50 MMBtu/hr NG**

Operating Scenario: **OS1 8419 Walters Hall Blr 1 NG 10.46 MMBtu/hr, OS2 8419 Walters Hall Blr 2 NG 10.46 MMBtu/hr, OS3 8419 Walters Hall Blr 3 NG 10.46 MMBtu/hr**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 9.14 lb/hr (PT50). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 10.461 MMBTU/hr (HHV) (each). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate[N.J.A.C. 7:27-22.16(o)].	None.
3	Fuel type limited to natural gas. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	VOC (Total) <= 0.056 lb/hr. Maximum emission rate based on AP-42 emission factor (5.5 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	NOx (Total) <= 1.03 lb/hr. Maximum emission rate based on AP-42 emission factor (100 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	CO <= 0.86 lb/hr. Maximum emission rate based on AP-42 emission factor (84 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP <= 0.08 lb/hr. Maximum emission rate based on AP-42 emission factor (7.6 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	PM-10 (Total) < 0.08 lb/hr. Maximum emission rate based on AP-42 emission factor (7.6 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	PM-2.5 (Total) < 0.08 lb/hr. Maximum emission rate based on AP-42 emission factor (7.6 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
10	Cobalt Emissions <= 8.8E-7 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000084 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
11	Dimethylbenz(a)anthracene (7,12-) <= 1.7E-7 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000016 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
12	Formaldehyde <= 0.00079 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.07548 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
13	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. [40 CFR 60.48c(a)]	None.	None.	Submit a report: Upon occurrence of event. [40 CFR 60.48c(a)]
14	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 the amount of each fuel combusted during each calendar month. [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.
15	The owner or operator of an affected facility or multiple affected facilities located on a contiguous property where the only fuels combusted in any steam generating unit (including steam generating units not subject to NSPS Dc) at that property are natural gas, wood or distillate oil may record and maintain records of the total amount of each steam generating unit fuel delivered to that property during each calendar month. [40 CFR 60.48c(g)(3)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [40 CFR 60.48c(g)(3)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
16	The owner or operator shall maintain all required records for a period of two years following the date of such record. [40 CFR 60.48c(i)]	None.	None.	None.
17	The permittee shall submit to the Administrator all reports required under 40 CFR 60.40, et. seq. each six-month period. [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)]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U4 Boilers 10-50 MMBtu/hr NG / FO backup**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Summary of Applicable Federal Regulations 40 CFR 60 Subpart Dc [None]	None.	None.	None.
2	Opacity: No visible smoke except for a period of not longer than three minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-3.2(a)] & [N.J.A.C. 7:27- 3.2(c)]	None.	None.	None.
3	Sulfur Content in Fuel <= 15 ppmw (0.0015% by weight). Effective July 1, 2016. [N.J.A.C. 7:27- 9.2(b)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	None.
4	Fuel stored in New Jersey that met the applicable maximum sulfur content standard of Tables 1A or 1B of N.J.A.C. 7:27-9.2 at the time it was stored in New Jersey may be used in New Jersey after the operative date of the applicable standard in Table 1B. [N.J.A.C. 7:27- 9.2(b)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

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

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
6	The owner or operator of the adjusted equipment or source operation shall ensure that the operating parameter settings are established and recorded after the combustion process is adjusted and that the adjusted equipment or source operation is maintained to operate consistent with the annual adjustment. [N.J.A.C. 7:27-19.16(e)]	Other: Monitored by the operating parameter settings that are established after the combustion process is adjusted in order to operate consistent with the annual adjustment. [N.J.A.C. 7:27-19.16(e)].	Other: The owner or operator shall record the operating parameter settings that are established after the combustion process is adjusted and retain until the next annual adjustment, to be made readily accessible to the Department upon request. [N.J.A.C. 7:27-19.16(e)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	The combustion source is not required to comply with the applicable NOx emission limits in N.J.A.C. 7:27-19, and the owner or operator is not required to adjust the combustion process described in N.J.A.C. 7:27-19.16, while fuel oil or other liquid fuel is burned. The owner or operator of this combustion source is eligible for this exemption only if the following requirements are met: 1) The owner or operator is not practicably able to obtain a sufficient amount of natural gas; 2) the owner or operator's inability to obtain natural gas due to circumstances beyond the control of the owner or operator, such as a natural gas curtailment; and 3) the combustion source ceases using fuel oil or other liquid fuel in place of natural gas and resumes using natural gas as soon as a sufficient supply of natural gas becomes practicably available. However, the owner or operator may periodically fire fuel oil or other liquid fuel for testing and maintenance. The owner or operator shall not fire fuel oil or other liquid fuel for testing and maintenance on days when the Department forecasts air quality anywhere in New Jersey to be unhealthy for sensitive groups, unhealthy, or very unhealthy as shown at the Department's air quality permitting web site at http://www.state.nj.us/dep/aqpp/aqforecast. [N.J.A.C. 7:27-22.16(a)], [N.J.A.C. 7:27-19.25(a)], & [N.J.A.C. 7:27-19.25(c)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. Maintain records that include the following: For curtailment periods, 1) information sufficient to identify each combustion source for which the owner or operator claims an exemption, including a brief description of the source, its location, its permit number and other identifying numbers, and any other information necessary to distinguish it from other equipment owned and operated by the facility; 2) a statement that the owner or operator is not practicably able to obtain a sufficient supply of natural gas; 3) the date and time at which the owner or operator first became practicably unable to obtain natural gas; and 4) a description of the circumstances causing the owner or operator's inability to obtain natural gas. For testing and maintenance periods, record the date and number of hours that fuel oil or other liquid fuel has been combusted for testing and maintenance. [N.J.A.C. 7:27-19.25(d)]	Submit a report: Annually by March 1 of each year for the preceding calendar year to the Regional Enforcement Office. The annual report shall include: 1) information sufficient to identify each combustion source for which the owner or operator claims an exemption, including a brief description of the source, its location, its permit number and other identifying numbers, and any other information necessary to distinguish it from other equipment owned and operated by the facility; 2) a statement that the owner or operator is not practicably able to obtain a sufficient supply of natural gas; 3) the date and time at which the owner or operator first became practicably unable to obtain natural gas; and 4) a description of the circumstances causing the owner or operator's inability to obtain natural gas. The annual report shall also include any violations which occurred during the previous year. If no violations occurred during the year, the owner or operator shall provide certification that no violations occurred and that the records are maintained at the facility. If no fuel oil or other liquid fuel was combusted under the N.J.A.C. 7:27-19.25 exemption during the reporting period, the owner or operator is not required to submit an annual report to the Regional Enforcement Office and shall keep on-site certification in accordance with N.J.A.C. 7:27-1.39 that no fuel oil or other liquid fuel was combusted and that the records are maintained at the facility. [N.J.A.C. 7:27-19.19(g)(2)] & [N.J.A.C. 7:27-19.25(d)]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
8	Hours of Operation While Firing Fuel Oil <= 48 hours. Periodic testing on liquid fuel shall not exceed a combined total of 48 hours during any calendar year to qualify as a gas-fired boiler as defined in MACT Subpart JJJJJJ, 40 CFR 63.11237. [N.J.A.C. 7:27-22.16(a)]	None.	Hours of Operation While Firing Fuel Oil: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. Record the number of hours the fuel oil is combusted for periodic testing and the calendar year total. Maintain onsite records that are easily accessible for Department inspection. [N.J.A.C. 7:27-8.13(d)] or [N.J.A.C. 7:27-22.16(o)]	None.
9	Natural Gas Usage <= 203 MMft^3/yr based on 8,712 hr/yr. [N.J.A.C. 7:27-22.16(a)]	Natural Gas Usage: Monitored by gas use totalizing meter continuously installed at building. [N.J.A.C. 7:27-22.16(o)]	Natural Gas Usage: Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27-22.16(o)]	None.
10	Fuel Oil Usage <= 8,306 gal/yr based on 48 hr/yr. [N.J.A.C. 7:27-22.16(a)]	Fuel Oil Usage: Monitored by review of fuel delivery records per delivery. [N.J.A.C. 7:27-22.16(o)]	Fuel Oil Usage: Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27-22.16(o)]	None.
11	VOC (Total) <= 0.56 tons/yr. Annual emission limit based on natural gas usage (MMft^3/yr), fuel oil usage (gal/yr), and AP-42 emission factors (5.5 lb/MMft^3 and 0.556 lb/Mgal). [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.
12	NOx (Total) <= 10.23 tons/yr. Annual emission limit based on natural gas usage (MMft^3/yr), fuel oil usage (Mgal/yr), and AP-42 emission factors (100 lb/MMft^3 and 20 lb/MGal). [N.J.A.C. 7:27-22.16(a)]	NOx (Total): Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	NOx (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.
13	CO <= 8.55 tons/yr. Annual emission limit based on natural gas usage (MMft^3/yr), fuel oil usage (Mgal/yr), and AP-42 emission factors (84 lb/MMft^3 and 5 lb/MGal). [N.J.A.C. 7:27-22.16(a)]	CO: Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	CO: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.
14	TSP <= 0.78 tons/yr. Annual emission limit based on natural gas usage (MMft^3/yr), fuel oil usage (gal/yr), and AP-42 emission factors (7.6 lb/MMft^3 and 2 lb/Mgal). [N.J.A.C. 7:27-22.16(a)]	TSP: Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	TSP: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
15	PM-10 (Total) <= 0.78 tons/yr. Annual emission limit based on natural gas usage (MMft^3/yr), fuel oil usage (gal/yr), and AP-42 emission factors (7.6 lb/MMft^3 and 2 lb/Mgal). [N.J.A.C. 7:27-22.16(a)]	PM-10 (Total): Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	PM-10 (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.
16	PM-2.5 (Total) <= 0.78 tons/yr. Annual emission limit based on natural gas usage (MMft^3/yr), fuel oil usage (gal/yr), and AP-42 emission factors (7.6 lb/MMft^3 and 2 lb/Mgal). [N.J.A.C. 7:27-22.16(a)]	PM-2.5 (Total): Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	PM-2.5 (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.
17	HAPs (Total) <= 0.0078 tons/yr. Annual emission rate based on Cobalt, Dimethylbenz(a)anthracene (7,12-), Formaldehyde emissions. [N.J.A.C. 7:27-22.16(a)]	HAPs (Total): Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	HAPs (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.
18	Cobalt Emissions <= 0.0000085 tons/yr (0.017 lb/yr). Annual emission rate of this HAP based on annual natural gas usage (MMft^3/yr), fuel oil usage (gal/yr), and AP-42 emission factors. [N.J.A.C. 7:27-22.16(a)]	Cobalt Emissions: Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	Cobalt Emissions: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.
19	Dimethylbenz(a)anthracene (7,12-) <= 0.00000162 tons/yr (0.00325 lb/yr). Annual emission rate of this HAP based on annual natural gas usage (MMft^3/yr), fuel oil usage (gal/yr), and AP-42 emission factors. [N.J.A.C. 7:27-22.16(a)]	Dimethylbenz(a)anthracene (7,12-): Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	Dimethylbenz(a)anthracene (7,12-): Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.
20	Formaldehyde <= 0.00775 tons/yr (15.5 lb/yr). Annual emission rate of this HAP based on annual natural gas usage (MMft^3/yr), fuel oil usage (Mgal/yr), and AP-42 emission factors. [N.J.A.C. 7:27-22.16(a)]	Formaldehyde: Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	Formaldehyde: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
21	The two Cleaver Brooks boilers (E62801 and 62802) are not subject to the provisions of 40 CFR 63 Subpart JJJJJJ: National Emission Standards for Hazardous Air Pollutants (NESHAP) for Industrial, Commercial, and Institutional Boilers Area Sources because they burn liquid fuel only during periods of gas curtailment, gas supply emergencies, or periodic testing on liquid fuel. Periodic testing of liquid fuel shall not exceed a combined total of 48 hours during any calendar year. [40 CFR 63.11095(e)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U4 Boilers 10-50 MMBtu/hr NG / FO backup**
Operating Scenario: **OS1 6280 Newell Central Heating Plant 1 12 MMBtu/hr (NG), OS2 6280 Newell Central Heating Plant 2 12 MMBtu/hr (NG)**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 6.4 lb/hr (PT21 & PT22, each). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 12 MMBTU/hr (HHV) (each). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate[N.J.A.C. 7:27-22.16(o)].	None.
3	Fuel type limited to natural gas. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	VOC (Total) <= 0.06 lb/hr (each). Maximum emission rate based on AP-42 emission factor (5.5 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	NOx (Total) <= 1.18 lb/hr (each). Maximum emission rate based on AP-42 emission factor (100 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	CO <= 0.99 lb/hr (each). Maximum emission rate based on AP-42 emission factor (84 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP <= 0.09 lb/hr (each). Maximum emission rate based on AP-42 emission factor (7.6 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	PM-10 (Total) <= 0.09 lb/hr (each). Maximum emission rate based on AP-42 emission factor (7.6 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	PM-2.5 (Total) <= 0.09 lb/hr (each). Maximum emission rate based on AP-42 emission factor (7.6 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
10	Cobalt Emissions <= 9.8E-7 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000084 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
11	Dimethylbenz(a)anthracene (7,12-) <= 1.86E-7 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.000016 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
12	Formaldehyde <= 0.000882 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor (0.07548 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
13	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. [40 CFR 60.48c(a)]	None.	None.	Submit a report: Upon occurrence of event. [40 CFR 60.48c(a)]
14	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 the amount of each fuel combusted during each calendar month. [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.
15	The owner or operator of an affected facility or multiple affected facilities located on a contiguous property where the only fuels combusted in any steam generating unit (including steam generating units not subject to NSPS Dc) at that property are natural gas, wood or distillate oil may record and maintain records of the total amount of each steam generating unit fuel delivered to that property during each calendar month. [40 CFR 60.48c(g)(3)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [40 CFR 60.48c(g)(3)]	None.

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Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
16	The owner or operator shall maintain all required records for a period of two years following the date of such record. [40 CFR 60.48c(i)]	None.	None.	None.
17	The permittee shall submit to the Administrator all reports required under 40 CFR 60.40, et. seq. each six-month period. [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)]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U4 Boilers 10-50 MMBtu/hr NG / FO backup**
Operating Scenario: **OS3 6280 Newell Central Heating Plant 1 12 MMBtu/hr (Fuel Oil), OS4 6280 Newell Central Heating Plant 2 12 MMBtu/hr (Fuel Oil)**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 6.4 lb/hr (PT21 & PT22, each). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 12 MMBTU/hr (HHV) (each). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	Fuel type limited to #2 Fuel Oil. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	VOC (Total) <= 0.05 lb/hr (each). Maximum emission rate based on AP-42 emission factor (0.0024 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	NOx (Total) <= 1.73 lb/hr (each). Maximum emission rate based on AP-42 emission factor (0.14 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	CO <= 0.43 lb/hr (each). Maximum emission rate based on AP-42 emission factor (0.036 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP <= 0.17 lb/hr (each). Maximum emission rate based on AP-42 emission factor (0.014 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	PM-10 (Total) <= 0.17 lb/hr (each). Maximum emission rate based on AP-42 emission factor (0.014 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	PM-2.5 (Total) <= 0.17 lb/hr (each). Maximum emission rate based on AP-42 emission factor (0.014 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

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Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
10	Formaldehyde <= 0.00286 lb/hr (each). Maximum emission rate based on AP-42 emission factor (0.033 lb/1000gal). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
11	Sulfur Content in Fuel <= 0.5 weight % for an affected facility that combusts oil. [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, and all other information specified at 40 CFR 48c(f)(2) 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)]
12	The unit that commences construction, reconstruction, or modification after February 28, 2005 and combusts only oil that contains no more than 0.5% S or a mixture of 0.5% S oil with other fuels not subject to a PM standard under 40 CFR 60.43c and not using a post-combustion technology (except a wet scrubber) to reduce PM or SO2 emissions is not subject to the PM limit in 40 CFR 60.43c(e). [40 CFR 60.43c(e)(4)]	Monitored by review of fuel delivery records once per bulk fuel shipment. The owner or operator shall demonstrate compliance via fuel certification per 40 CFR 60.48c(f). For residual oil-fired affected facilities, fuel supplier certifications are only allowed for facilities with heat input capacities between 10 and 30 MMBtu/hr. [40 CFR 60.45c(d)]	Recordkeeping by fuel supplier certifications pursuant to 40 CFR Part 60.48c(f) once per bulk fuel shipment. The owner or operator shall follow the applicable procedures under 40 CFR 60.48c(f). [40 CFR 60.48c(f)]	None.
13	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. [40 CFR 60.48c(a)]	None.	None.	Submit a report: Upon occurrence of event. [40 CFR 60.48c(a)]
14	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 the amount of each fuel combusted during each calendar month. [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.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
15	The owner or operator of an affected facility or multiple affected facilities located on a contiguous property where the only fuels combusted in any steam generating unit (including steam generating units not subject to NSPS Dc) at that property are natural gas, wood or distillate oil may record and maintain records of the total amount of each steam generating unit fuel delivered to that property during each calendar month. [40 CFR 60.48c(g)(3)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [40 CFR 60.48c(g)(3)]	None.
16	The owner or operator shall maintain all required records for a period of two years following the date of such record. [40 CFR 60.48c(i)]	None.	None.	None.
17	The permittee shall submit to the Administrator all reports required under 40 CFR 60.40, et. seq. each six-month period. [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)]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U5 Emergency Generators - Diesel - No Fed Regs**
Operating Scenario: **OS Summary**

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

New Jersey Department of Environmental Protection
Facility Specific Requirements

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

New Jersey Department of Environmental Protection
Facility Specific Requirements

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

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	Hours of Operation <= 100 hr/yr for testing and maintenance. The limit on the allowable hours for testing and maintenance in accordance with the documentation from manufacturer, the vendor, or the insurance company associated with the engine. [N.J.A.C. 7:27-22.16(a)]	Hours of Operation: Monitored by hour/time monitor continuously. [N.J.A.C. 7:27-22.16(o)]	Hours of Operation: Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The owner or operator shall maintain on site and record the following information: For each time the emergency generator is specifically operated for testing or maintenance: i. The reason for its operation; ii. The date(s) of operation and the start up and shut down time; iii. The total operating time for testing or maintenance based on the generator's hour meter; and iv. The name of the operator. [N.J.A.C. 7:27-19.11]	None.
8	VOC (Total) <= 0.17 tons/yr. Annual emission limit based on the permitted hours per year of operation. [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [None]	VOC (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [None]	None.
9	NOx (Total) <= 2.17 tons/yr. Annual emission limit based on the permitted hours per year of operation. [N.J.A.C. 7:27-22.16(a)]	NOx (Total): Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [None]	NOx (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [None]	None.
10	CO <= 0.47 tons/yr. Annual emission limit based on the permitted hours per year of operation. [N.J.A.C. 7:27-22.16(a)]	CO: Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [None]	CO: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [None]	None.
11	SO2 <= 0.14 tons/yr. Annual emission limit based on the permitted hours per year of operation. [N.J.A.C. 7:27-22.16(a)]	SO2: Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [None]	SO2: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [None]	None.
12	TSP <= 0.15 tons/yr. Annual emission limit based on the permitted hours per year of operation. [N.J.A.C. 7:27-22.16(a)]	TSP: Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [None]	TSP: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [None]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
13	PM-10 (Total) <= 0.15 tons/yr. Annual emission limit based on the permitted hours per year of operation. [N.J.A.C. 7:27-22.16(a)]	PM-10 (Total): Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [None]	PM-10 (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [None]	None.
14	PM-2.5 (Total) <= 0.15 tons/yr. Annual emission limit based on the permitted hours per year of operation. [N.J.A.C. 7:27-22.16(a)]	PM-2.5 (Total): Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [None]	PM-2.5 (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [None]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U5 Emergency Generators - Diesel - No Fed Regs**
Operating Scenario: **OS1 6024 Bartlett Hall 1.12 MMBtu/hr**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.67 lb/hr (PT7). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 1.12 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(e)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	VOC (Total) <= 0.39 lb/hr. Maximum emission rate based on AP-42 emission factor (0.35 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	NOx (Total) <= 4.94 lb/hr. Maximum emission rate based on AP-42 emission factor (4.41 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	CO <= 1.06 lb/hr. Maximum emission rate based on AP-42 emission factor (0.95 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	SO2 <= 0.32 lb/hr. Maximum emission rate based on AP-42 emission factor (0.29 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP <= 0.35 lb/hr. Maximum emission rate based on AP-42 emission factor (0.31 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	PM-10 (Total) <= 0.35 lb/hr. Maximum emission rate based on AP-42 emission factor (0.31 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	PM-2.5 (Total) <= 0.35 lb/hr. Maximum emission rate based on AP-42 emission factor (0.31 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U5 Emergency Generators - Diesel - No Fed Regs**
Operating Scenario: **OS2 6347 C/D Pump House (Foran Hall) 1.41 MMBtu/hr**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.85 lb/hr (PT27). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 1.41 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(e)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	VOC (Total) <= 0.49 lb/hr. Maximum emission rate based on AP-42 emission factor (0.35 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	NOx (Total) <= 6.22 lb/hr. Maximum emission rate based on AP-42 emission factor (4.41 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	CO <= 1.34 lb/hr. Maximum emission rate based on AP-42 emission factor (0.95 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	SO2 <= 0.41 lb/hr. Maximum emission rate based on AP-42 emission factor (0.29 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP <= 0.44 lb/hr. Maximum emission rate based on AP-42 emission factor (0.31 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	PM-10 (Total) <= 0.44 lb/hr. Maximum emission rate based on AP-42 emission factor (0.31 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	PM-2.5 (Total) <= 0.44 lb/hr. Maximum emission rate based on AP-42 emission factor (0.31 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U5 Emergency Generators - Diesel - No Fed Regs**
Operating Scenario: **OS3 6347 Foran Hall (Electrical Room) E Gen 2.1 MMBtu/hr**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.26 lb/hr (PT29). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 2.1 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(e)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	VOC (Total) <= 0.74 lb/hr. Maximum emission rate based on AP-42 emission factor (0.35 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	NOx (Total) <= 9.26 lb/hr. Maximum emission rate based on AP-42 emission factor (4.41 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	CO <= 2 lb/hr. Maximum emission rate based on AP-42 emission factor (0.95 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	SO2 <= 0.61 lb/hr. Maximum emission rate based on AP-42 emission factor (0.29 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP <= 0.65 lb/hr. Maximum emission rate based on AP-42 emission factor (0.31 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	PM-10 (Total) <= 0.65 lb/hr. Maximum emission rate based on AP-42 emission factor (0.31 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	PM-2.5 (Total) <= 0.65 lb/hr. Maximum emission rate based on AP-42 emission factor (0.31 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U5 Emergency Generators - Diesel - No Fed Regs**
Operating Scenario: **OS4 3168 Public Safety Bldg EG 5.2 MMBtu/hr**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 3.12 lb/hr (PT59). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 5.2 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(e)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	VOC (Total) <= 1.82 lb/hr. Maximum emission rate based on AP-42 emission factor (0.35 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	NOx (Total) <= 22.93 lb/hr. Maximum emission rate based on AP-42 emission factor (4.41 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	CO <= 4.94 lb/hr. Maximum emission rate based on AP-42 emission factor (0.95 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	SO2 <= 1.51 lb/hr. Maximum emission rate based on AP-42 emission factor (0.29 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP <= 1.61 lb/hr. Maximum emission rate based on AP-42 emission factor (0.31 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	PM-10 (Total) <= 1.61 lb/hr. Maximum emission rate based on AP-42 emission factor (0.31 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	PM-2.5 (Total) <= 1.61 lb/hr. Maximum emission rate based on AP-42 emission factor (0.31 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U6 Emergency Generators - NG - No Fed Regs**
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	Generator fuel limited to natural gas. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

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

New Jersey Department of Environmental Protection
Facility Specific Requirements

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

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
5	Hours of Operation <= 100 hr/yr for testing and maintenance for each engine. The limit on the allowable hours for testing and maintenance in accordance with the documentation from manufacturer, the vendor, or the insurance company associated with the engine. [N.J.A.C. 7:27-22.16(a)]	Hours of Operation: Monitored by hour/time monitor continuously. [N.J.A.C. 7:27-22.16(o)]	Hours of Operation: Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The owner or operator shall maintain on site and record the following information: For each time the emergency generator is specifically operated for testing or maintenance: i. The reason for its operation; ii. The date(s) of operation and the start up and shut down time; iii. The total operating time for testing or maintenance based on the generator's hour meter; and iv. The name of the operator. [N.J.A.C. 7:27-19.11]	None.
6	The owner or operator shall submit an annual statement certified in accordance with N.J.A.C. 7:27-1.39 and signed by the responsible official, as defined at N.J.A.C. 7:27-1.4. The Responsible Official shall certify annually that the emergency generator is operated as defined in this permit. [N.J.A.C. 7:27-22.16(a)]	None.	None.	Submit an Annual Compliance Certification: Annually to the Department and EPA within 60 days after the end of each calendar year. [N.J.A.C. 7:27-22]
7	VOC (Total) <= 0.093 tons/yr. Annual emission limit based on the permitted hours per year of operation. [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [None]	VOC (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [None]	None.
8	NOx (Total) <= 3.18 tons/yr. Annual emission limit based on the permitted hours per year of operation. [N.J.A.C. 7:27-22.16(a)]	NOx (Total): Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [None]	NOx (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [None]	None.
9	CO <= 0.25 tons/yr. Annual emission limit based on the permitted hours per year of operation. [N.J.A.C. 7:27-22.16(a)]	CO: Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [None]	CO: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [None]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U6 Emergency Generators - NG - No Fed Regs**
Operating Scenario: **OS1 6350 Marine Science EG 1.5 MMBtu/hr**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.9 lb/hr (PT301). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 1.5 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(e)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	VOC (Total) <= 0.18 lb/hr. Maximum emission rate based on AP-42 emission factor (0.12 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	NOx (Total) <= 6.12 lb/hr. Maximum emission rate based on AP-42 emission factor (4.08 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	CO <= 0.48 lb/hr. Maximum emission rate based on AP-42 emission factor (0.317 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	TSP < 0.05 lb/hr (below de minimus). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U6 Emergency Generators - NG - No Fed Regs**
Operating Scenario: **OS2 8311 Hickman Hall EG 1.7 MMBtu/hr**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.02 lb/hr (PT34). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 1.7 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(e)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	VOC (Total) <= 0.2 lb/hr. Maximum emission rate based on AP-42 emission factor (0.12 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	NOx (Total) <= 6.94 lb/hr. Maximum emission rate based on AP-42 emission factor (4.08 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	CO <= 0.54 lb/hr. Maximum emission rate based on AP-42 emission factor (0.317 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	TSP < 0.05 lb/hr (below de minimus). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U6 Emergency Generators - NG - No Fed Regs**
Operating Scenario: **OS3 8333 Neilson Dining Hall EG 2.95 MMBtu/hr**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.77 lb/hr (PT43). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 2.95 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(e)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	VOC (Total) <= 0.35 lb/hr. Maximum emission rate based on AP-42 emission factor (0.12 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	NOx (Total) <= 12.04 lb/hr. Maximum emission rate based on AP-42 emission factor (4.08 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	CO <= 0.94 lb/hr. Maximum emission rate based on AP-42 emission factor (0.317 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	TSP < 0.05 lb/hr (below de minimus). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U6 Emergency Generators - NG - No Fed Regs**
Operating Scenario: **OS4 8394 Willetts Health Center Jameson A-D Em Gen 1.6 MMBtu/hr**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.96 lb/hr (PT45). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 1.6 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(e)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	VOC (Total) <= 0.19 lb/hr. Maximum emission rate based on AP-42 emission factor (0.12 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	NOx (Total) <= 6.53 lb/hr. Maximum emission rate based on AP-42 emission factor (4.08 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	CO <= 0.51 lb/hr. Maximum emission rate based on AP-42 emission factor (0.317 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	TSP < 0.05 lb/hr (below de minimus). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U6 Emergency Generators - NG - No Fed Regs**
Operating Scenario: **OS5 6329 Research Greenhouses & Headhouse College Farm Rd EG 1.65 MMBtu/hr**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.99 lb/hr (PT54). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 1.65 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(e)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	VOC (Total) <= 0.2 lb/hr. Maximum emission rate based on AP-42 emission factor (0.12 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	NOx (Total) <= 6.73 lb/hr. Maximum emission rate based on AP-42 emission factor (4.08 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	CO <= 0.52 lb/hr. Maximum emission rate based on AP-42 emission factor (0.317 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	TSP < 0.05 lb/hr (below de minimus). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U6 Emergency Generators - NG - No Fed Regs**
Operating Scenario: **OS6 8313 Douglass Library EG 1.95 MMBtu/hr**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.17 lb/hr (PT55). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 1.95 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(e)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	VOC (Total) <= 0.23 lb/hr. Maximum emission rate based on AP-42 emission factor (0.12 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	NOx (Total) <= 7.96 lb/hr. Maximum emission rate based on AP-42 emission factor (4.08 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	CO <= 0.62 lb/hr. Maximum emission rate based on AP-42 emission factor (0.317 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	TSP < 0.05 lb/hr (below de minimus). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U6 Emergency Generators - NG - No Fed Regs**
Operating Scenario: **OS7 6405 Endocrine Research EG 2.95 MMBtu/hr**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.77 lb/hr (PT910001). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 2.95 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(e)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	VOC (Total) <= 0.35 lb/hr. Maximum emission rate based on AP-42 emission factor (0.12 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	NOx (Total) <= 12.04 lb/hr. Maximum emission rate based on AP-42 emission factor (4.08 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	CO <= 0.94 lb/hr. Maximum emission rate based on AP-42 emission factor (0.317 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	TSP < 0.05 lb/hr (below de minimus). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U6 Emergency Generators - NG - No Fed Regs**
Operating Scenario: **OS8 6280 Newell Plant EG NG 1.28 MMBtu/hr**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.77 lb/hr (PT71). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 1.28 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	The owner or operator shall keep records of engine manufacturer data for the life of the equipment showing the rated Maximum Gross Heat Input, Maximum Engine Power, and Manufacture Date. [N.J.A.C. 7:27-22.16(a)]	None.	Other: The owner or operator shall keep records of engine manufacturer data for the life of the equipment showing the rated Maximum Gross Heat Input, Maximum Engine Power, and Manufacture Date. [N.J.A.C. 7:27-22.16(o)].	None.
4	The owner or operator shall change the oil and filter per manufacturer’s recommended procedures and maintenance schedule. [N.J.A.C. 7:27-22.16(a)]	None.	Other: The owner or operator must keep records of the date and the hour meter reading at the time of each oil and filter replacement event. All records shall be maintained for a period of no less than five years and made readily accessible to the Department upon request. [N.J.A.C. 7:27-22.16(o)].	None.
5	The owner or operator shall inspect the spark plugs per manufacturer’s recommended procedures and maintenance schedule, and replace as necessary. [N.J.A.C. 7:27-22.16(a)]	None.	Other: The owner or operator must keep records of the date and the hour meter reading at the time of each spark plugs inspection and/or replacement event. All records shall be maintained for a period of no less than five years and made readily accessible to the Department upon request. [N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
6	The owner or operator shall inspect all hoses and belts per manufacturer's recommended procedures and maintenance schedule, and replace as necessary. [N.J.A.C. 7:27-22.16(a)]	None.	Other: The owner or operator must keep records of the date and the hour meter reading at the time of each hoses/belts inspection and/or replacement event. All records shall be maintained for a period of no less than five years and made readily accessible to the Department upon request. [N.J.A.C. 7:27-22.16(o)].	None.
7	VOC (Total) <= 0.15 lb/hr. Maximum emission rate based on emission factor (0.12 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	NOx (Total) <= 5.22 lb/hr. Maximum emission rate based on emission factor (4.08 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	CO <= 0.41 lb/hr. Maximum emission rate based on emission factor (0.317 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
10	TSP < 0.05 lb/hr (below de minimus). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U7 Emergency Generators - Diesel - NSPS IIII**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Summary of Applicable Federal Regulations: 40 CFR 60 Subpart A 40 CFR 60 Subpart IIII [40 CFR Federal Rules Summary]	None.	None.	None.
2	Opacity <= 20 % , exclusive of visible condensed water vapor, except for a period of not longer than 10 consecutive seconds. [N.J.A.C. 7:27- 3.5]	None.	None.	None.
3	Sulfur Content in Fuel <= 15 ppmw (0.0015% by weight). Effective July 1, 2016. [N.J.A.C. 7:27- 9.2(b)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

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

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
5	This emergency generator shall not be used: 1. For normal testing and maintenance on days when the Department forecasts air quality anywhere in New Jersey to be "unhealthy for sensitive groups," "unhealthy," or "very unhealthy" as defined in the EPA's Air Quality Index at http://airnow.gov/, as supplemented or amended and incorporated herein by reference, unless required in writing by a Federal or State law or regulation. Procedures for determining the air quality forecasts for New Jersey are available at the Department's air quality permitting web site at http://www.state.nj.us/dep/aqpp/aqforecast; and 2. As a source of energy or power after the primary energy or power source has become operable again. If the primary energy or power source is under the control of the owner or operator of the emergency generator, the owner or operator shall make a reasonable, timely effort to repair the primary energy or power source. [N.J.A.C. 7:27-19.2(d)]	None.	None.	None.
6	Fuel stored in New Jersey that met the applicable maximum sulfur content standard of Tables 1A or 1B of N.J.A.C. 7:27-9.2 at the time it was stored in New Jersey may be used in New Jersey after the operative date of the applicable standard in Table 1B. [N.J.A.C. 7:27- 9.2(b)]	None.	None.	None.
7	Generator fuel limited to diesel fuel. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
8	Hours of Operation <= 100 hr/yr for testing and maintenance. The limit on the allowable hours for testing and maintenance in accordance with the documentation from manufacturer, the vendor, or the insurance company associated with the engine. [N.J.A.C. 7:27-22.16(a)]	Hours of Operation: Monitored by hour/time monitor continuously. [N.J.A.C. 7:27-22.16(o)]	Hours of Operation: Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The owner or operator shall maintain on site and record the following information: For each time the emergency generator is specifically operated for testing or maintenance: i. The reason for its operation; ii. The date(s) of operation and the start up and shut down time; iii. The total operating time for testing or maintenance based on the generator's hour meter; and iv. The name of the operator. [N.J.A.C. 7:27-19.11]	None.
9	VOC (Total) <= 0.17 tons/yr. Annual emission limit based on the permitted hours per year of operation. [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [None]	VOC (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [None]	None.
10	NOx (Total) <= 1.95 tons/yr. Annual emission limit based on the permitted hours per year of operation. [N.J.A.C. 7:27-22.16(a)]	NOx (Total): Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [None]	NOx (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [None]	None.
11	CO <= 0.5 tons/yr. Annual emission limit based on the permitted hours per year of operation. [N.J.A.C. 7:27-22.16(a)]	CO: Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [None]	CO: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [None]	None.
12	SO2 <= 0.06 tons/yr. Annual emission limit based on the permitted hours per year of operation. [N.J.A.C. 7:27-22.16(a)]	SO2: Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [None]	SO2: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [None]	None.
13	TSP <= 0.11 tons/yr. Annual emission limit based on the permitted hours per year of operation. [N.J.A.C. 7:27-22.16(a)]	TSP: Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [None]	TSP: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [None]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
14	PM-10 (Total) <= 0.11 tons/yr. Annual emission limit based on the permitted hours per year of operation. [N.J.A.C. 7:27-22.16(a)]	PM-10 (Total): Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [None]	PM-10 (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [None]	None.
15	PM-2.5 (Total) <= 0.11 tons/yr. Annual emission limit based on the permitted hours per year of operation. [N.J.A.C. 7:27-22.16(a)]	PM-2.5 (Total): Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [None]	PM-2.5 (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [None]	None.
16	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)]
17	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)]
18	The owner or operator subject to the provisions of 40 CFR Part 60 shall furnish the Administrator written notification or, if acceptable to both the Administrator and the owner or operator of a source, electronic notification, of the date of construction or reconstruction of an affected facility as defined under 40 CFR Part 60 Subpart A. Notification shall be postmarked no later than 30 days after such date. (NSPS Subpart A) [40 CFR 60.7(a)(1)]	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)(1)]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
19	The owner or operator subject to the provisions of 40 CFR Part 60 shall furnish the Administrator written notification or, if acceptable to both the Administrator and the owner or operator of a source, electronic notification, of the actual date of initial startup of an affected facility postmarked within 15 days after such date. (NSPS Subpart A) [40 CFR 60.7(a)(3)]	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)(3)]
20	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)]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
21	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.
22	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.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
23	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.
24	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.
25	The owner and operator of any modified or reconstructed emergency stationary CI ICE subject to NSPS IIII must meet the emission standards applicable to the model year, maximum engine power, and displacement of the modified or reconstructed CI ICE that are specified in 40 CFR 60.4205(a) through (e). Compliance shall be demonstrated, per 40 CFR 60.4211(e), by either (1) Purchasing, or otherwise owning or operating, an engine certified to the emission standards in 40 CFR 60.4204(e) or 40 CFR 60.4205(f), as applicable, or (2) Conducting a performance test to demonstrate initial compliance with the emission standards according to the requirements specified in 40 CFR 60.4212 or 40 CFR 60.4213, as appropriate. The test must be conducted within 60 days after the engine commences operation after the modification or reconstruction. (NSPS Subpart IIII) [40 CFR 60.4205(f)]	Other: Compliance shall be demonstrated as prescribed at 40 CFR 60.4211(e). [40 CFR 60.4211(e)].	Other: The owner or operator of modified or reconstructed engine must keep manufacturer certification showing compliance with the applicable emission standards, for the same model year and maximum engine power or keep the results of the initial performance test demonstrating compliance with the applicable emission limits. [40 CFR 60.4211(e)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
26	Owners and operators of stationary CI internal combustion engines must operate and maintain stationary CI ICE that achieve the emission standards as required in 40 CFR 60.4204 and 60.4205 over the entire life of the engine. (NSPS Subpart IIII) [40 CFR 60.4206]	None.	Other: The owner or operator shall keep the manufacturer's emission-related written instructions over the entire life of the engine. If the manufacturer's emission-related written instructions are not followed, the owner or operator must keep the results of the performance test(s) demonstrating compliance with the applicable emission limits. [40 CFR 60.4206].	None.
27	Beginning October 1, 2010, the CI internal combustion engines with a displacement of less than 30 liters per cylinder subject to NSPS IIII (manufactured after April 1, 2006 or modified or reconstructed after July 11, 2005) that use diesel fuel must use diesel fuel that meets the requirements of 40 CFR 1090.305 that contains the following per gallon standards: 15 ppm (0.0015 percent) maximum sulfur content and either a minimum cetane index of 40 or a maximum aromatic content of 35 volume percent, except that any existing diesel fuel purchased (or otherwise obtained) prior to October 1, 2010, may be used until depleted. (NSPS Subpart IIII) [40 CFR 60.4207(b)]	Monitored by review of fuel delivery records once per bulk fuel shipment. For each diesel delivery received, the owner or operator shall review written documentation of the delivery to ensure the maximum allowable fuel oil sulfur content and either a minimum cetane index or a maximum aromatic content is not being exceeded. Such written documentation can include, but is not limited to: bill of lading, delivery invoice, certificate of analysis. [N.J.A.C. 7:27- 8.13(d)]	Recordkeeping by invoices / bills of lading / certificate of analysis once per bulk fuel shipment. The owner or operator shall keep records of fuel showing oil sulfur content and either a minimum cetane index or a maximum aromatic content for each delivery received. All records must be maintained for a minimum of 2 years following the date of such records per 40 CFR 60.7(f). [N.J.A.C. 7:27- 8.13(d)]	None.
28	After December 31, 2008, owners and operators may not install stationary CI ICE (excluding fire pump engines) that do not meet the applicable requirements for 2007 model year engines, except for engines that have been modified or reconstructed, and except for engines that were removed from one existing location and reinstalled at a new location. (NSPS Subpart IIII) [40 CFR 60.4208]	None.	None.	None.

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Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
29	The owner or operator that must comply with the emission standards specified in NSPS IIII must operate and maintain the stationary CI internal combustion engine and control device, except as permitted under 40 CFR 60.4211(g), according to the manufacturer's emission-related written instructions. In addition, owners and operators may only change emission-related settings that are permitted by the manufacturer. The owner or operator must also meet the requirements of 40 CFR parts 1039, 1042 and/or 1068, as applicable. If the engine and control device is not installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions, or emission-related settings are changed in a way that is not permitted by the manufacturer, the owner or operator must demonstrate compliance as prescribed at 40 CFR 60.4211(g)(1), (2) or (3) depending on the maximum engine power. (NSPS Subpart IIII) [40 CFR 60.4211(a)]	None.	Other: The owner or operator shall keep the manufacturer's emission-related written instructions. If not complying with manufacturer's emission-related written instructions or emission-related settings, the owner or operator shall must keep a maintenance plan, records of conducted maintenance, and conduct a performance test(s), as prescribed at 40 CFR 60.4211(g). [40 CFR 60.4211].	None.
30	The owner or operator of a 2007 model year and later stationary CI internal combustion engine complying with the emission standards specified in 40 CFR 60.4204(b) or 40 CFR 60.4205(b), must comply by purchasing an engine certified to the emission standards in 40 CFR 60.4204(b) or 40 CFR 60.4205(b) as applicable, for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's emission-related specifications, except as permitted in 40 CFR 60.4211(g). (NSPS Subpart IIII) [40 CFR 60.4211(c)]	None.	Other: The owner or operator must keep documentation from the manufacturer, for the life of the equipment, that the engine is certified to meet the emission standards as applicable, for the same model year and maximum engine power. If the engine and control device is not installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions, or emission-related settings are changed in a way that is not permitted by the manufacturer, the owner or operator must demonstrate compliance as prescribed at 40 CFR 60.4211(g)(1), (2) or (3) depending on the maximum engine power. [40 CFR 60.4211(c)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
31	Emergency stationary internal combustion engines may be operated for the purpose of maintenance checks and readiness testing limited to 100 hours per year, provided that those tests are recommended by Federal, State, or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Anyone may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency ICE beyond 100 hours per year. (NSPS Subpart IIII) [40 CFR 60.4211(f)(2)(i)]	Monitored by hour/time monitor continuously. The owner or operator of an emergency stationary internal combustion engine that does not meet the standards applicable to non-emergency engines must install a non-resettable hour meter prior to startup of the engine. [40 CFR 60.4209(a)]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The owner or operator must record the time of operation of the emergency engine and the reason the engine was in operation during that time. Starting with the model year 2011, 2012, or 2013, depending on the maximum engine power as provided in Table 5 in NSPS IIII, the owner or operator must keep records of the operation of the engine in emergency and non-emergency service that are recorded through the non-resettable hour meter if the emergency engine does not meet the standards in 40 CFR 60.4204, applicable to non-emergency engines, in the applicable model year. The emergency engine must comply with the labeling requirements in 40 CFR 60.4210(f). [40 CFR 60.4214(b)]	None.
32	A new or reconstructed stationary RICE located at an area HAP source must meet the requirements of 40 CFR 63 by meeting the requirements of 40 CFR 60 subpart IIII, for compression ignition engines or 40 CFR 60 subpart JJJJ, for spark ignition engines. No further requirements apply for such engines under 40 CFR 63. (NSPS Subpart IIII) [40 CFR 63.6590(c)]	Other: Comply with all applicable provisions at NSPS IIII. [40 CFR 63].	Other: Comply with all applicable provisions at NSPS IIII. [40 CFR 63].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U7 Emergency Generators - Diesel - NSPS IIII**
Operating Scenario: **OS1 8419 Walter Hall EG Diesel 2010 1.63 MMBtu/hr. NSPS Sub IIII**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.98 lb/hr (PT51). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 1.63 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	VOC (Total) <= 0.57 lb/hr. Maximum emission rate based on AP-42 emission factor (0.35 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	NOx (Total) <= 7.19 lb/hr. Maximum emission rate based on AP-42 emission factor (4.41 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	CO <= 1.55 lb/hr. Maximum emission rate based on AP-42 emission factor (0.95 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	SO2 <= 0.47 lb/hr. Maximum emission rate based on AP-42 emission factor (0.29 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP <= 0.51 lb/hr. Maximum emission rate based on AP-42 emission factor (0.31 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	PM-10 (Total) <= 0.51 lb/hr. Maximum emission rate based on AP-42 emission factor (0.31 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	PM-2.5 (Total) <= 0.51 lb/hr. Maximum emission rate based on AP-42 emission factor (0.31 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
10	The owner or operator of a 2007 model year and later emergency generator with a displacement of < 10 liters per cylinder and a maximum engine power >= 37 kW (HP >= 50) and no greater than 3,000HP (<= 2,237 kW) must comply with the certification emissions standards in 40 CFR 1039, Appendix I, and smoke standards in 40 CFR 1039.105 for the same model year and maximum engine power as follows: NMHC + NOx <= 4.0 g/HP-hr, CO <= 3.5 g/HP-hr, PM <= 0.2 g/HP-hr. (NSPS Subpart IIII) [40 CFR 60.4205(b)]	None.	Other: The owner or operator of a 2007 model year or later engine must keep manufacturer certification showing compliance with the applicable emission standards, for the same model year and maximum engine power. [40 CFR 60.4211].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U7 Emergency Generators - Diesel - NSPS IIII**
Operating Scenario: **OS2 6246 Food Science EG Diesel 2011 2.73 MMBtu/hr. NSPS Sub IIII**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.64 lb/hr (PT18). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 2.73 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	VOC (Total) <= 0.96 lb/hr. Maximum emission rate based on AP-42 emission factor (0.35 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	NOx (Total) <= 12.04 lb/hr. Maximum emission rate based on AP-42 emission factor (4.41 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	CO <= 2.59 lb/hr. Maximum emission rate based on AP-42 emission factor (0.95 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	SO2 <= 0.79 lb/hr. Maximum emission rate based on AP-42 emission factor (0.29 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP <= 0.85 lb/hr. Maximum emission rate based on AP-42 emission factor (0.31 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	PM-10 (Total) <= 0.85 lb/hr. Maximum emission rate based on AP-42 emission factor (0.31 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	PM-2.5 (Total) <= 0.85 lb/hr. Maximum emission rate based on AP-42 emission factor (0.31 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
10	The owner or operator of a 2007 model year and later emergency generator with a displacement of < 10 liters per cylinder and a maximum engine power >= 37 kW (HP >= 50) and no greater than 3,000HP (<= 2,237 kW) must comply with the certification emissions standards in 40 CFR 1039, Appendix I, and smoke standards in 40 CFR 1039.105 for the same model year and maximum engine power as follows: NMHC + NOx <= 4.0 g/HP-hr, CO <= 3.5 g/HP-hr, PM <= 0.2 g/HP-hr. (NSPS Subpart IIII) [40 CFR 60.4205(b)]	None.	Other: The owner or operator of a 2007 model year or later engine must keep manufacturer certification showing compliance with the applicable emission standards, for the same model year and maximum engine power. [40 CFR 60.4211].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U7 Emergency Generators - Diesel - NSPS IIII**
Operating Scenario: **OS3 6432 IFNH EG Diesel 2011 5.6 MMBtu/hr. NSPS Sub IIII**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 3.36 lb/hr (PT64). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 5.6 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	VOC (Total) <= 1.07 lb/hr. Maximum emission rate based on manufacturer emission factor (0.54 g/BHP-hr). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	NOx (Total) <= 10.39 lb/hr. Maximum emission rate based on manufacturer emission factor (5.26 g/BHP-hr). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	CO <= 0.59 lb/hr. Maximum emission rate based on manufacturer emission factor (0.3 g/BHP-hr). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	TSP <= 0.06 lb/hr. Maximum emission rate based on manufacturer emission factor (0.03 g/BHP-hr). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	PM-10 (Total) <= 0.06 lb/hr. Maximum emission rate based on manufacturer emission factor (0.03 g/BHP-hr). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	PM-2.5 (Total) <= 0.06 lb/hr. Maximum emission rate based on manufacturer emission factor (0.03 g/BHP-hr). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
9	The owner or operator of a 2007 model year and later emergency generator with a displacement of < 10 liters per cylinder and a maximum engine power >= 37 kW (HP >= 50) and no greater than 3,000HP (<= 2,237 kW) must comply with the certification emissions standards in 40 CFR 1039, Appendix I, and smoke standards in 40 CFR 1039.105 for the same model year and maximum engine power as follows: NMHC + NOx <= 6.4 g/HP-hr, CO <= 3.5 g/HP-hr, PM <= 0.2 g/HP-hr. (NSPS Subpart IIII) [40 CFR 60.4205(b)]	None.	Other: The owner or operator of a 2007 model year or later engine must keep manufacturer certification showing compliance with the applicable emission standards, for the same model year and maximum engine power. [40 CFR 60.4211].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U7 Emergency Generators - Diesel - NSPS IIII**
Operating Scenario: **OS4 5.92 MMBtu/hr (HHV) Emerg. Gen. (600 kW) Diesel fuel, 100 hrs/yr. NSPS Sub IIII**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 3.6 lb/hr (PT78). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 5.92 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	VOC (Total) <= 0.734 lb/hr. Maximum emission rate based on manufacturer emission factor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	NOx (Total) <= 9.464 lb/hr. Maximum emission rate based on manufacturer emission factor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	CO <= 5.18 lb/hr. Maximum emission rate based on manufacturer emission factor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	TSP < 0.298 lb/hr. Maximum emission rate based on manufacturer emission factor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	PM-10 (Total) <= 0.298 lb/hr. Maximum emission rate based on manufacturer emission factor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	PM-2.5 (Total) <= 0.298 lb/hr. Maximum emission rate based on manufacturer emission factor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
9	The owner or operator of a 2007 model year and later emergency generator with a displacement of < 10 liters per cylinder and a maximum engine power >= 37 kW (HP >= 50) and no greater than 3,000HP (<= 2,237 kW) must comply with the certification emissions standards in 40 CFR 1039, Appendix I, and smoke standards in 40 CFR 1039.105 for the same model year and maximum engine power as follows: NMHC + NOx <= 6.4 g/HP-hr, CO <= 3.5 g/HP-hr, PM <= 0.2 g/HP-hr. (NSPS Subpart IIII) [40 CFR 60.4205(b)]	None.	Other: The owner or operator of a 2007 model year or later engine must keep manufacturer certification showing compliance with the applicable emission standards, for the same model year and maximum engine power. [40 CFR 60.4211].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U8 Emergency Generators - NG - NSPS JJJJ**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Summary of Applicable Federal Regulations: 40 CFR 60 Subpart A 40 CFR 60 Subpart JJJJ [40 CFR Federal Rules Summary]	None.	None.	None.
2	Opacity <= 20 % , exclusive of visible condensed water vapor, except for a period of not longer than 10 consecutive seconds. [N.J.A.C. 7:27- 3.5]	None.	None.	None.
3	Generator fuel limited to natural gas. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

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

New Jersey Department of Environmental Protection
Facility Specific Requirements

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

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
6	Hours of Operation <= 100 hr/yr for testing and maintenance for each engine. The limit on the allowable hours for testing and maintenance in accordance with the documentation from manufacturer, the vendor, or the insurance company associated with the engine. [N.J.A.C. 7:27-22.16(a)]	Hours of Operation: Monitored by hour/time monitor continuously. [N.J.A.C. 7:27-22.16(o)]	Hours of Operation: Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The owner or operator shall maintain on site and record the following information: For each time the emergency generator is specifically operated for testing or maintenance: i. The reason for its operation; ii. The date(s) of operation and the start up and shut down time; iii. The total operating time for testing or maintenance based on the generator's hour meter; and iv. The name of the operator. [N.J.A.C. 7:27-19.11]	None.
7	The owner or operator shall submit an annual statement certified in accordance with N.J.A.C. 7:27-1.39 and signed by the responsible official, as defined at N.J.A.C. 7:27-1.4. The Responsible Official shall certify annually that the emergency generator is operated as defined in this permit. [N.J.A.C. 7:27-22.16(a)]	None.	None.	Submit an Annual Compliance Certification: Annually to the Department and EPA within 60 days after the end of each calendar year. [N.J.A.C. 7:27-22]
8	VOC (Total) <= 0.094 tons/yr. Annual emission limit based on the permitted hours per year of operation. [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [None]	VOC (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [None]	None.
9	NOx (Total) <= 0.17 tons/yr. Annual emission limit based on the permitted hours per year of operation. [N.J.A.C. 7:27-22.16(a)]	NOx (Total): Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [None]	NOx (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [None]	None.
10	CO <= 0.32 tons/yr. Annual emission limit based on the permitted hours per year of operation. [N.J.A.C. 7:27-22.16(a)]	CO: Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [None]	CO: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [None]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
11	PM-10 (Total) <= 0.00003 tons/yr. Annual emission limit based on the permitted hours per year of operation. [N.J.A.C. 7:27-22.16]	PM-10 (Total): Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [None]	PM-10 (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [None]	None.
12	PM-2.5 (Total) <= 0.00003 tons/yr. Annual emission limit based on the permitted hours per year of operation. [N.J.A.C. 7:27-22.16(a)]	PM-2.5 (Total): Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [None]	PM-2.5 (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [None]	None.
13	The owner or operator of stationary spark ignition internal combustion engine (SI ICE) must operate and maintain SI ICE that achieve the emission standards as required in 40 CFR 60.4233 over the entire life of the engine. (NSPS Subpart JJJJ) [40 CFR 60.4234]	Other: Monitored by engine manufacturer data. [N.J.A.C. 7:27-22.16(o)] or [N.J.A.C. 7:27- 8.13(a)].	Other: The owner or operator must keep records of the documentation that the engine meets the emission standards. [40 CFR 60.4245(a)(4)].	None.
14	The owner or operator may not install emergency stationary spark ignition internal combustion engine (SI ICE) with a maximum engine power of greater than 19 kW (25 HP) that do not meet the applicable requirements in 40 CFR 60.4233 after January 1, 2011, except for engines that have been modified or reconstructed or for engines that were removed from one existing location and reinstalled at a new location. (NSPS Subpart JJJJ) [40 CFR 60.4236(c)]	Other: Monitored by engine manufacturer data. [N.J.A.C. 7:27-22.16(o)] or [N.J.A.C. 7:27- 8.13(a)].	Other: The owner or operator must keep records of the documentation that the engine meets the emission standards. [40 CFR 60.4245(a)(4)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
15	Emergency stationary spark ignition internal combustion engine (SI ICE) may be operated for the purpose of maintenance checks and readiness testing limited to 100 hours per year, provided that the tests are recommended by Federal, State or local government, the manufacturer, the vendor, or the insurance company associated with the engine. There is no time limit on the use of emergency stationary ICE in emergency situations. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency ICE beyond 100 hours per year. (NSPS Subpart JJJJ) [40 CFR 60.4243(d)(2)(i)]	Other: Monitored by hours of operation. [40 CFR 60.4245(b)].	Other: The owner or operator must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. [40 CFR 60.4245(b)].	None.
16	Owners and operators of all stationary spark ignition internal combustion engines (SI ICE) must keep records of the information in 40 CFR 60.4245(a)(1) through (4) as follows: All notification submitted to comply with 40 CFR 60 Subpart JJJJ and all documentation supporting any notification; maintenance conducted on the engine; for a certified engine, keep documentation from the manufacturer that the engine is certified; if engine is not a certified engine or is a certified engine operating in a non-certified manner, documentation that the engine meets the emission standards. (NSPS Subpart JJJJ) [40 CFR 60.4245(a)]	None.	Other: The owner or operators of all SI ICE must keep records of the information in 40 CFR 60.4245(a)(1) through (4) as follows: (1) All notification submitted to comply with 40 CFR 60 Subpart JJJJ and all documentation supporting any notification; (2) maintenance conducted on the engine; (3) for a certified engine, keep documentation from the manufacturer that the engine is certified; (4) if engine is not a certified engine or is a certified engine operating in a non-certified manner, documentation that the engine meets the emission standards. [40 CFR 60.4245(a)].	None.
17	The owner or operator of stationary spark ignition internal combustion engine (SI ICE) shall comply with the applicable General Provisions in 40 CFR 60 Subpart A as listed in Table 3 in 40 CFR 60 Subpart JJJJ. (NSPS Subpart JJJJ) [40 CFR 60.4246]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
18	A new or reconstructed stationary reciprocating internal combustion engine (RICE) located at an area HAP source must meet the requirements of 40 CFR 63 by meeting the requirements of 40 CFR 60 Subpart IIII, for compression ignition engines or 40 CFR 60 Subpart JJJJ, for spark ignition engines. No further requirements apply for such engines under 40 CFR 63. (NSPS Subpart JJJJ) [40 CFR 63.6590(c)]	Other: Comply with all applicable provisions at NSPS JJJJ. [40 CFR 63].	Other: Comply with all applicable provisions at NSPS JJJJ. [40 CFR 63].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U8 Emergency Generators - NG - NSPS JJJJ**
Operating Scenario: **OS1 7599 ASBII EG NG 2015 2.07 MMBtu/hr. NSPS Sub JJJJ**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.24 lb/hr (PT66). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 2.07 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	VOC (Total) <= 0.47 lb/hr. Maximum emission rate based on manufacturer emission factor (0.7 g/HP-hr). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	NOx (Total) <= 0.67 lb/hr. Maximum emission rate based on manufacturer emission factor (1.0 g/HP-hr). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	CO <= 1.33 lb/hr. Maximum emission rate based on manufacturer emission factor (2.00 g/HP-hr). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	TSP < 0.05 lb/hr (below de minimus). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	PM-10 (Total) <= 0.0002 lb/hr. Maximum emission rate based on AP-42 emission factor (7.71E-05 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	PM-2.5 (Total) <= 0.0002 lb/hr. Maximum emission rate based on AP-42 emission factor (7.71E-05 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
9	The owner or operator of the new emergency stationary spark ignition internal combustion engine (SI ICE) with a maximum engine power of HP >= 130 (kW >= 100) combusting natural gas or lean burn Liquefied Petroleum Gas (LPG), manufactured on or after January 1, 2009 must comply with the emissions standards in Table 1 to 40 CFR 60 Subpart JJJJ as follows, in units either g/HP-hr or ppmvd at 15 percent O2: NOx <= 2.0 g/HP-hr, CO <= 4.0 g/HP-hr, VOC <= 1.0 g/HP-hr or NOx <= 160 ppmvd at 15% O2, CO <= 540 ppmvd at 15% O2, VOC <= 86 ppmvd at 15% O2. (NSPS Subpart JJJJ) [40 CFR 60.4233(e)]	Other: Monitored by engine manufacturer data. [N.J.A.C. 7:27-22.16(o)] or [N.J.A.C. 7:27- 8.13(a)].	Other: The owner or operator of a SI ICE engine must keep documentation demonstrating compliance with the applicable emission standards. [40 CFR 60.4245(a)(4)].	None.
10	Starting on January 1, 2011, if the emergency stationary spark ignition internal combustion engine (SI ICE) that is greater than or equal to 130 HP and less than 500 HP that was built on or after January 1, 2011, does not meet the standards applicable to non-emergency engines, the owner or operator must install a non-resettable hour meter. (NSPS Subpart JJJJ) [40 CFR 60.4237(b)]	Monitored by hour/time monitor continuously. The owner or operator of an emergency stationary internal combustion engine must install a non-resettable hour meter upon startup of the engine. [40 CFR 60.4245(b)]	Other: For all stationary SI emergency ICE greater than or equal to 130 HP and less than 500 HP manufactured on or after July 1, 2011 that do not meet the standards applicable to non-emergency engines, the owner or operator must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. [40 CFR 60.4245(b)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U8 Emergency Generators - NG - NSPS JJJJ**
Operating Scenario: **OS2 8445 RCAAS EG NG 2020 1.05 MMBtu/hr. NSPS Sub JJJJ**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.63 lb/hr (PT72). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 1.051 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	VOC (Total) <= 0.225 lb/hr. Maximum emission rate based on manufacturer emission factor (0.80 g/Hp-hr). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	NOx (Total) <= 0.43 lb/hr. Maximum emission rate based on manufacturer emission factor (1.53 g/HP-hr). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	CO <= 0.25 lb/hr. Maximum emission rate based on manufacturer emission factor (0.88 g/HP-hr). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	TSP < 0.05 lb/hr (below de minimus). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	The owner or operator of the new emergency stationary spark ignition internal combustion engine (SI ICE) with a maximum engine power of 25 < HP < 130 (19 < kW < 100) combusting natural gas or lean burn Liquefied Petroleum Gas (LPG), manufactured on or after January 1, 2009 must comply with the emissions standards in Table 1 to 40 CFR 60 Subpart JJJJ as follows: HC+NOx <= 10 g/HP-hr, CO <= 387 g/HP-hr. (NSPS Subpart JJJJ) [40 CFR 60.4233(d)]	Other: Monitored by engine manufacturer data. [N.J.A.C. 7:27-22.16(o)] or [N.J.A.C. 7:27- 8.13(a)].	Other: The owner or operator of a SI ICE engine must keep documentation demonstrating compliance with the applicable emission standards. [40 CFR 60.4245(a)(4)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
8	The owner or operator of an emergency stationary spark ignition internal combustion engine (SI ICE) that is less than 130 HP, was built on or after July 1, 2008, and does not meet the standards applicable to non-emergency engines, must install a non-resettable hour meter upon startup of the emergency engine. (NSPS Subpart JJJJ) [40 CFR 60.4237(c)]	Monitored by hour/time monitor continuously. The owner or operator of an emergency stationary internal combustion engine must install a non-resettable hour meter upon startup of the engine. [40 CFR 60.4245(b)]	Other: For all stationary SI emergency ICE greater than 25 HP and less than 130 HP manufactured on or after July 1, 2008, that do not meet the standards applicable to non-emergency engines, the owner or operator must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. [40 CFR 60.4245(b)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U8 Emergency Generators - NG - NSPS JJJJ**
Operating Scenario: **OS3 4.38 MMBtu/hr (HHV) Emerg. Gen. (350 kW) Natural Gas, 100 hrs/yr**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 2.63 lb/hr (PT77). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 4.38 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	VOC (Total) <= 1.2 lb/hr. Maximum emission rate based on manufacturer emission factor (1.0 g/HP-hr). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	NOx (Total) <= 2.4 lb/hr. Maximum emission rate based on manufacturer emission factor (2.0 g/HP-hr). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	CO <= 4.8 lb/hr. Maximum emission rate based on manufacturer emission factor (4.0 g/HP-hr). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	TSP < 0.05 lb/hr (below de minimus). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	PM-10 (Total) <= 0.0003 lb/hr. Maximum emission rate based on AP-42 emission factor (7.71E-05 lb/MMBtu). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	PM-2.5 (Total) <= 0.0003 lb/hr. Maximum emission rate based on AP-42 emission factor (7.71E-05 lb/MMBtu). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
9	The owner or operator of the new emergency stationary spark ignition internal combustion engine (SI ICE) with a maximum engine power of HP >= 130 (kW >= 100) combusting natural gas or lean burn Liquefied Petroleum Gas (LPG), manufactured on or after January 1, 2009 must comply with the emissions standards in Table 1 to 40 CFR 60 Subpart JJJJ as follows, in units either g/HP-hr or ppmvd at 15 percent O2: NOx <= 2.0 g/HP-hr, CO <= 4.0 g/HP-hr, VOC <= 1.0 g/HP-hr or NOx <= 160 ppmvd at 15% O2, CO <= 540 ppmvd at 15% O2, VOC <= 86 ppmvd at 15% O2. (NSPS Subpart JJJJ) [40 CFR 60.4233(e)]	Other: Monitored by engine manufacturer data. [N.J.A.C. 7:27-22.16(o)] or [N.J.A.C. 7:27- 8.13(a)].	Other: The owner or operator of a SI ICE engine must keep documentation demonstrating compliance with the applicable emission standards. [40 CFR 60.4245(a)(4)].	None.
10	Starting on July 1, 2010, if the emergency stationary spark ignition internal combustion engine (SI ICE) that is greater than or equal to 500 HP that was built on or after July 1, 2010, does not meet the standards applicable to non-emergency engines, the owner or operator must install a non-resettable hour meter. (NSPS Subpart JJJJ) [40 CFR 60.4237(a)]	Monitored by hour/time monitor continuously. The owner or operator of an emergency stationary internal combustion engine must install a non-resettable hour meter upon startup of the engine. [40 CFR 60.4245(b)]	Other: For all stationary SI emergency ICE greater than or equal to 500 HP manufactured on or after July 1, 2010, that do not meet the standards applicable to non-emergency engines, the owner or operator must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. [40 CFR 60.4245(b)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U9 Underground Storage Tank for Gasoline**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	The transfer of gasoline into an applicable receiving vessel shall be made through a fill pipe whose point of discharge into the receiving vessel is entirely submerged when the liquid level is no more than six inches (15.2 centimeters) above the vessel bottom. [N.J.A.C. 7:27-16.3(c)1i]	None.	None.	None.
2	The transfer of gasoline from any delivery vessel into any applicable stationary storage tank shall only occur if the storage tank meets the requirements of N.J.A.C. 7:27-16.2. [N.J.A.C. 7:27-16.3(d)]	None.	None.	None.
3	The transfer of gasoline from any delivery vessel into any applicable stationary storage tank shall only occur if the tank is equipped and operating with the following Phase I vapor recovery system (VRS) emission control: A Phase I VRS that reduces the total applicable VOC emissions into the outdoor atmosphere by no less than 98% of the concentration of applicable VOC by volume in the air-vapor mixture displaced during the transfer of gasoline. [N.J.A.C. 7:27-16.3(d)1]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system upon request of the Department. The Permittee shall demonstrate the efficiency of the vapor recovery system in accordance with test procedures or documentation approved by the Department. [N.J.A.C. 7:27-16.3(j)10]	None.
4	The transfer of gasoline from any delivery vessel into any applicable stationary storage tank shall only occur if the tank is equipped and operating with the following Phase I vapor recovery system (VRS) emission control: A pressure/vacuum relief valve on each atmospheric vent. [N.J.A.C. 7:27-16.3(d)2]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
5	The transfer of gasoline from any delivery vessel into any applicable stationary storage tank shall only occur if the tank is equipped and operating with the following Phase I vapor recovery system (VRS) emission control: A CARB-certified Phase I Enhanced Vapor Recovery (EVR) system pressure/vacuum relief vent valve. A Phase I VRS installed before December 23, 2017, shall comply with this requirement on or before December 23, 2018. [N.J.A.C. 7:27-16.3(d)3]	None.	None.	None.
6	The transfer of gasoline from any delivery vessel into any applicable stationary storage tank shall only occur if the tank is equipped and operating with the following Phase I vapor recovery system (VRS) emission control: A CARB-certified Phase I EVR system, including a dual point vapor balance system, the components of which shall have been approved in one or more CARB-certified Phase I EVR System executive orders in effect at the time of installation, but the components need not all be approved in the same executive order. A Phase I VRS installed before December 23, 2017, shall comply with this paragraph on or before December 23, 2024. However, a Phase I VRS that is using a single point vapor balance system (coaxial) installed before December 23, 2017, is not required to install • a dual point vapor balance system, • rotatable adapters. [N.J.A.C. 7:27-16.3(d)4]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	The Permittee shall ensure that during the transfer of gasoline into any gasoline-laden vehicular fuel tank, any person refueling a vehicle prevents overfilling and spillage and does not allow the transfer of gasoline to continue after the nozzle automatic shut-off point. [N.J.A.C. 7:27-16.3(g)1]	None.	None.	None.
8	The Permittee shall ensure that at a gasoline dispensing facility that was constructed on or after June 29, 2003, and for which the Department issued a construction permit after June 29, 2003, each dispensing device that dispenses more than one grade of gasoline utilizes a unihose system for dispensing gasoline. [N.J.A.C. 7:27-16.3(g)2]	None.	None.	None.
9	The Permittee shall ensure that at a gasoline dispensing facility without a Phase II vapor recovery system, each nozzle is a CARB-certified enhanced conventional (ECO) nozzles in accordance with CARB certification procedure CP-207, as amended or supplemented. If no nozzle is CARB-certified at the time of the installation, or nozzle replacement, a conventional nozzle may be installed. [N.J.A.C. 7:27-16.3(g)3]	None.	None.	None.
10	The Permittee shall ensure that at a gasoline dispensing facility without a Phase II vapor recovery system, each dispenser hose is a CARB-certified low permeation hose in accordance with CARB certification procedures CP-201, and CP-207 as amended or supplemented. [N.J.A.C. 7:27-16.3(g)4]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
11	The decommissioning of a Phase II vapor recovery system shall be conducted in accordance with the Petroleum Equipment Institute document PEI/RP300-09 "Recommended Practices for Installation and Testing of Vapor-Recovery Systems at Vehicle-Fueling Sites" (available at www.pei.org), incorporated herein by reference, as amended or supplemented. [N.J.A.C. 7:27-16.3(h)1]	None.	None.	None.
12	The decommissioning of a Phase II vapor recovery system shall be conducted or supervised by an individual who is certified by the Department in underground storage tank installation or closure and who also works for a certified firm in accordance with N.J.A.C. 7:14B-13, except neither a certified individual nor a certified firm is required for decommissioning testing performed in accordance with PEI requirements and Table 3A of N.J.A.C. 7:27-16. [N.J.A.C. 7:27-16.3(h)2]	None.	None.	None.
13	All underground piping and/or condensate traps associated with the decommissioned vapor recovery system that are not removed at the time of decommissioning shall be removed at such time in the future that they become exposed as a part of a modification to the gasoline dispensing facility, or if the system fails a static pressure performance test as required in N.J.A.C. 7:27-16.3(j) and the leak is associated with the vapor recovery system underground piping system. [N.J.A.C. 7:27-16.3(h)3]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
14	At least 14 days prior to commencing work to decommission, the owner or operator of the gasoline dispensing facility shall notify the Department by e-mail to 14dayUSTnotice@dep.nj.gov and include the name, address, and registration number of the facility, name and contact information for the owner and operator, the name and contact information of the certified individual and business conducting the decommissioning, and the date on which the decommissioning is scheduled to begin. [N.J.A.C. 7:27-16.3(h)4]	None.	None.	None.
15	Tank contents limited to Gasoline (VP <= 13 psia @ 70 degrees F) [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
16	Vapor Pressure <= 13 psia @ 70 degrees F. [N.J.A.C. 7:27-22.16(e)]	Vapor Pressure: Monitored by review of fuel delivery records per delivery. [N.J.A.C. 7:27-22.16(o)]	Vapor Pressure: Recordkeeping by manual logging of parameter or storing data in a computer data system per delivery of the vapor pressure of all materials to be stored or blended in the tank. [N.J.A.C. 7:27-22.16(o)]	None.
17	Total Material Transferred <= 200,000 gal/yr of Gasoline for the Blacksmith Shop Gasoline Tank (E60422). [N.J.A.C. 7:27-22.16(a)]	Total Material Transferred: Monitored by gas use totalizing meter each month during operation on each pump. [N.J.A.C. 7:27-22.16(o)]	Total Material Transferred: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation of monthly gasoline throughput rates. The permittee shall also record the annual combined total throughput of all materials stored in the tank. [N.J.A.C. 7:27-22.16(o)]	None.
18	VOC (Total) <= 0.919 tons/yr. Annual emission limit for the Blacksmith Shop Gasoline Tank (E60422), including storage and transfer emissions, based on annual throughput. [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis) using the latest version of AP-42 TANKS. [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The facility will retain records of all calculations, including TANKS program input and output. [N.J.A.C. 7:27-22.16(o)]	None.

NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS (18399)
BOP190002

New Jersey Department of Environmental Protection
Facility Profile (General)

Facility Name (AIMS): NJ RUTGERS UNIV COOK/DOUGLAS CA **Facility ID (AIMS):** 18399

Street Address: 51 DUDLEY RD
COOK CAMPUS
NEW BRUNSWICK, NJ 08854

Mailing Address: DUC TRAN
RUTGERS UNIVERSITY
74 ST 1603 BLDG 4116
PISCATAWAY, NJ 08854

State Plane Coordinates:

X-Coordinate:	606,700
Y-Coordinate:	520,879
Units:	New Jersey State Plane 8
Datum:	NAD83
Source Org.:	Other/Unknown
Source Type:	Hard Copy Map

County: Middlesex

Location Description: Provides college education at Rutgers University Cook and Douglass Campuses in New Brunswick, New Jersey

Industry:

Primary SIC:	8221
Secondary SIC:	
NAICS:	611310

New Jersey Department of Environmental Protection
Facility Profile (General)

Contact Type: Air Permit Information Contact

Organization: Rutgers University
Org. Type: State
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Contact Type: Fees/Billing Contact

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Contact Type: Operator

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Org. Type: State
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New Jersey Department of Environmental Protection
Facility Profile (General)

Contact Type: Owner (Current Primary)

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NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS (18399) Date: 07/03/2025
BOP190002

New Jersey Department of Environmental Protection
Non-Source Fugitive Emissions

FG NJID	Description of Activity Causing Emission	Location Description	Reasonable Estimate of Emissions (tpy)								
			VOC (Total)	NOx	CO	SO	TSP (Total)	PM-10	Pb	HAPS (Total)	Other (Total)
FG1	Unpaved Road Emissions	Campus Wide	0.000	0.000	0.000	0.000	1.300	1.300	0.000	0.00000000	0.000
FG2	Fume Hoods	Campus Wide	2.318	0.000	0.000	0.000	0.000	0.000	0.000	0.00000000	0.000
FG3	Cooling Systems (Chillers)	Campus Wide	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.00000000	1.000
FG4	Cooling Towers	Campus Wide	0.000	0.000	0.000	0.000	1.000	1.000	0.000	0.00000000	0.000
Total			2.318	0.000	0.000	0.000	2.300	2.300	0.000	0.00000000	1.000

NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS (18399)
BOP190002

Date: 7/3/2025

New Jersey Department of Environmental Protection
Insignificant Source Emissions

IS NJID	Source/Group Description	Equipment Type	Location Description	Estimate of Emissions (tpy)								
				VOC (Total)	NOx	CO	SO	TSP	PM-10	Pb	HAPS (Total)	Other (Total)
IS1	Boilers (<0.3 MMBTU/hr) Natural gas fired (97)	Boiler	various	0.053	1.001	0.841	0.006	0.076	0.076	0.000	0.00000000	0.000
IS2	Boilers (<1 MMBTU/hr) Natural gas fired (29)	Boiler	various	0.073	1.380	1.160	0.008	0.105	0.105	0.000	0.00000000	0.000
IS3	Clothes Dryers (<1 MMBTU/hr) Natural gas fired (26)	Fuel Combustion Equipment (Other)	various	0.001	0.015	0.012	0.000	0.001	0.001	0.000	0.00000000	0.000
IS4	Hot Water Heaters (<0.3 MMBTU/hr) Natural gas fired ~~(89)~~	Boiler	various	0.032	0.615	0.516	0.004	0.047	0.047	0.000	0.00000000	0.000
IS5	Hot Water Heaters (>0.3 MMBTU/hr) Natural gas fired (19)	Boiler	various	0.058	1.097	0.922	0.007	0.083	0.083	0.000	0.00000000	0.000
IS6	Boilers (< 1 MMBTU/hr) oil Fired #2 (10)	Boiler	various	0.053	0.311	0.078	0.442	0.050	0.050	0.000	0.00000000	0.000
IS7	Emergency Generators (<1 MMBTU/hr) Natural gas fired (11)	Emergency Generator	various	0.000	0.003	0.001	0.000	0.000	0.000	0.000	0.00000000	0.000
IS8	Emergency Generators (< 1 MMBTU/hr) Diesel (2)	Emergency Generator	various	0.001	0.031	0.007	0.002	0.002	0.002	0.000	0.00000000	0.000
IS9	Diesel Fuel USTs (= or< 20,000 gal, VP< 0.02)	Storage Vessel	various	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.00000000	0.000

NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS (18399)
BOP190002

Date: 7/3/2025

New Jersey Department of Environmental Protection
Insignificant Source Emissions

IS NJID	Source/Group Description	Equipment Type	Location Description	Estimate of Emissions (tpy)								
				VOC (Total)	NOx	CO	SO	TSP	PM-10	Pb	HAPS (Total)	Other (Total)
IS10	Wood Working Equipment (7) w/ Dust collector	Other Equipment	Cook / Douglass Campus	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.00000000	0.000
IS11	Above Ground Gasoline Storage Tank (500 gal)	Storage Vessel	various	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.00000000	0.000
Total				0.271	4.453	3.537	0.469	0.364	0.364	0.000	0.00000000	0.000

NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS (18399) Date: 7/3/2025
BOP190002

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
E3	Newell EG	1.28 MMBTU/hr (HHV) Emerg. Gen. (100 kW)	Emergency Generator		11/1/2020		6/1/2006	
E4	RCAAS EG	1.051 MMBTU/hr (HHV) Emerg. Gen. (80 kW)	Emergency Generator		1/1/2021			
E5	6024 B1 ANX	4.11 MMBTU/hr (HHV) Boiler	Boiler		1/1/2018		1/1/2018	
E6	6024 B2 ANX	3.17 MMBTU/hr (HHV) Boiler	Boiler		11/19/2024		11/19/2024	
E7	6025 EG1	4.38 MMBTU/hr (HHV) Emerg. Gen. (350 kW)	Emergency Generator		2/15/2025		2/15/2025	
E8	6330 EG1	5.92 MMBTU/hr (HHV) Emerg. Gen. (600 kW)	Emergency Generator		2/15/2025		2/15/2025	
E6432	IFNH Blr. C	2.0 MMBTU/hr (HHV) Boiler	Boiler		1/25/2024		1/25/2024	
E8000	Cummins1	8000 Endocrine Research EG 2.95 NG	Emergency Generator		7/1/2007		7/1/2007	
E9000	AO Smith 1	Public Safety Bldg 1.26 NG	Boiler	GEN050004	9/1/2005	No	1/7/2016	
E9001	AO Smith 2	Public Safety Bldg 1.26 NG	Boiler	GEN050004	9/1/2005	No	1/7/2016	
E9002	Detroit Dies	Public Safety Bldg 5.2 D	Emergency Generator	GEN050003	9/1/2005	No		
E60001	Burnham 1	6000 Waller Hall (Short Course Bldg) NG 1.738	Boiler	PCP960030	1/1/1993	No	1/1/1993	
E60021	Burnhan1	6002 Florticulture Greenhouses NG 4.474	Boiler	GEN050001	12/1/2004	Yes	1/1/1981	
E60023	Weil McLain1	6002 Florticulture Greenhouses NG 4.113	Boiler	GEN05000	7/31/2005	No		
E60051	Weil McLain1	6005 Blake Hall NG 4.119	Boiler		10/31/2016	No		

New Jersey Department of Environmental Protection
Equipment Inventory

Equip. NJID	Facility's Designation	Equipment Description	Equipment Type	Certificate Number	Install Date	Grand-Fathered	Last Mod. (Since 1968)	Equip. Set ID
E60052	Weil McLain2	6005 Blake Hall NG 3.99	Boiler	BOP100002	7/1/1999	No	9/16/2010	
E60061	Weil McLain1	6006 Martin Hall Cook College Admin Bldg NG 2.396	Boiler	PCP960005	7/1/1955	No	6/8/1996	
E60081	Weil McLain1	6008 Farm Crops Green house NG 1.530 NG	Boiler	GEN030011	7/1/2000	No	1/7/2016	
E60141	Weil McLain1	6014 Plant Physiology Bldg and Green houses 1&2 NG 1.155	Boiler	PCP960028	1/1/1984	No	1/1/1984	
E60241	Cummins1	6024 Bartlett Hall EG D 1.12	Emergency Generator	01970704	7/1/1991	No	7/1/1991	
E60244	Smith1	6024 Bartlett hall (old) NG 2.718	Boiler	PCP960014	9/1/2014	No	9/1/2014	
E60245	PK Thermif1	6024 Bartlett Hall (Old) NG 1.7	Boiler	GEN040005	12/30/2004	No		
E60246	PK Thermif2	6024 Bartlett Hall (Old) NG 1.7	Boiler	GEN040005	12/30/2004	No		
E60251	Smith1	6025 Lipman Hall NG 4.293	Boiler	PCP960021	9/1/2014	No	9/1/2014	
E60254	Weil McLain2	6025 Lipman Hall NG 4.113	Boiler	GEN05000	7/31/2005	No		
E60421	Stage II vap	6042 Blacksmith Shop Gas tank Stage II Vapor Recov	Other Equipment	PCP960011	1/1/1993	No	1/1/1993	
E60422	Gas UST	6042 Blacksmith Shop Gas Tank UST 6000 gal	Storage Vessel	PCP960010	1/1/1993	No	1/1/1993	
E60591	Weil McLain1	6059 Bioresource Engineering 2.382 NG	Boiler	exempt	6/1/2015	No	1/7/2016	
E61091	Cleaver Brks	Labor Education CLv Brks 1.674 NG	Boiler		8/1/2009	No	8/1/2009	

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Equip. NJID	Facility's Designation	Equipment Description	Equipment Type	Certificate Number	Install Date	Grand-Fathered	Last Mod. (Since 1968)	Equip. Set ID
E61092	Cleaver Brks	Labor Education Clv Brks 1.674 NG	Boiler		8/1/2009	No	8/1/2009	
E61161	Smith1	6116 Lab Annex NG 1.773	Boiler	GEN040002	9/1/2014	No	1/1/1977	
E62461	Weil McLain	Weil McLain Blr #1 3.965 NG	Boiler		7/1/2020	No	3/2/2020	
E62462	Weil McLain	Weil McLain Blr #2 3.428 NG	Boiler	exempt	7/1/2020	No	3/2/2020	
E62463	Clvr Brooks3	6246 Food Science Bldg. NG 4.184	Boiler	exempt	1/1/1970	Yes	1/1/1970	
E62464	Cummins1	6246 Food Science EG 2.73 D	Emergency Generator		1/1/2012	No	10/1/2010	
E62465	IFNH blr1	IFNH blr1 2 NG	Boiler		1/1/2014	No	1/1/2014	
E62466	IFNH blr2	IFNH blr2 2 NG	Boiler		1/1/2014	No	1/1/2014	
E62468	IFNH EG	IFNH EG	Emergency Generator	BOP140001	1/31/2014	No		
E62482	Hort Lab	1.26 MMBTU/hr (HHV) Boiler	Boiler		5/31/2024		5/31/2024	
E62781	Weil McLain1	6278 Cook Laundry-Admin-Mail (PAL Bldg) NG 2.219	Boiler	PCP960029	1/1/1976	No	1/7/2016	
E62801	CB 1	6280 Newell Dorms Central Heating Plant 12 NG/FO	Boiler		12/15/2016	No	1/1/1972	
E62802	CB 2	6280 Newell Dorms Central Heating Plant 12 NG/FO	Boiler		12/15/2016	No	1/1/1972	
E62803	Weil McLain1	6280 Newell Dorms Central Heating Plant NG 4.55	Boiler	PCP960009	1/1/1972	No	6/8/1996	

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Equipment Inventory

Equip. NJID	Facility's Designation	Equipment Description	Equipment Type	Certificate Number	Install Date	Grand-Fathered	Last Mod. (Since 1968)	Equip. Set ID
E63291	H.B. Smith1	6329 Research Green-Houses & Headhouse College Farm rd. NG 2.55	Boiler	PCP960019	7/1/1990	No	7/1/1990	
E63292	H.B. Smith2	6329 Research Green-Houses & Headhouse College Farm rd. NG 2.55	Boiler	PCP960019	7/1/1990	No	7/1/1990	
E63293	Kohler	6329 Research 6329 Green-Houses & Headhouse College Farm Rd	Emergency Generator	01970705	7/1/1988	No		
E63301	Clvr Brooks1	6330 Environmental & Natural Resource Science bldg NG 5.23	Boiler	PCP960015	7/1/1988	No	7/1/1988	
E63302	Clvr Brooks2	6330 Environmental & Natural Resource Science bldg NG 3.35	Boiler	PCP960015	7/1/1981	No	7/1/1981	
E63471	Kohler1	6347 C/D pump house (Foran Hall) EG D 1.41	Emergency Generator	01970706	7/1/1993	No	7/1/1993	
E63473	Clvr Brooks2	6347 Foran Hall NG 9.95792	Boiler	BOP050001	1/1/1994	No	1/1/2006	
E63474	Clvr Brooks3	6347 Foran Hall NG 9.95792	Boiler	BOP050001	1/1/1994	No	1/1/2006	
E63475	AO Smith1	6347 Foran Hall NG 1.24	Boiler	PCP960036	1/1/1994	No	1/1/1994	
E63476	Det diesel1	6347 Foran Hall (electrical room) D 2.1	Emergency Generator	PCP960037	1/1/1994	No	1/1/1994	
E63502	Weil McLain1	6350 Marine Sciences Bldg. NG 3.99	Boiler	BOP100002	7/1/2000	No	9/16/2010	
E63503	Weil McLain2	6350 Marine Sciences Bldg. NG 3.99	Boiler	BOP100002	7/1/2000	No	9/16/2010	

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Equip. NJID	Facility's Designation	Equipment Description	Equipment Type	Certificate Number	Install Date	Grand-Fathered	Last Mod. (Since 1968)	Equip. Set ID
E63505	Katolight1	6350 Marine Science Bldg EG NG 1.5	Emergency Generator	01970707	1/1/1991	No	1/1/1991	
E63506	Weil McLain3	6350 Marine Sciences Bldg. NG 3.773	Boiler	BOP100002	7/1/2000	No	9/16/2010	
E75991	PK Thermif1	7599 ASB II NG 2.0	Boiler	GEN040004	12/30/2004	No		
E75992	PK Thermif2	7599 ASB II NG 2.0	Boiler	GEN040004	12/30/2004	No		
E75993	Kohler1	7599 ASBII EG Kohler 2.07 NG	Emergency Generator		7/1/2015	No		
E83021	Weil McLain1	8302 Chemistry Bldg. NG 4.113	Boiler		12/15/2016	No		
E83022	Weil McLain2	8302 Chemistry Bldg NG 3.172	Boiler	BOP100002	4/10/2019	No	9/16/2010	
E83031	Weil McLain1	8303 Ruth Adams Language Arts NG 3.99	Boiler	BOP100002	8/1/1999	No	9/16/2010	
E83032	Weil McLain2	8303 Ruth Adams Language Arts NG 3.99	Boiler	BOP100002	8/1/1999	No	9/16/2010	
E83071	Weil McLain	8307 Voorhees Chapel 4.119	Boiler	exempt	4/15/2018	No		
E83101	Burnham1	8310 Music Bldg (old) 4.718	Boiler	PCP960003	1/1/1991	No	1/7/2016	
E83111	Olympion1	8311 Hickman Hall EG NG 1.7	Emergency Generator	01970708	1/1/1995	No	1/1/1995	
E83131	Kohler 1	8313 Douglass Library EG NG 1.95	Emergency Generator	Gen040001	1/19/2004	No		
E83203	Weil McLain1	8320 Douglass College Center NG 4.113	Boiler	GEN030004	1/1/1992	No	1/1/1992	
E83212	Weil Mclain1	8321 Loree Gym NG 4.119	Boiler	BOP100002	9/1/2014	No	9/1/2014	

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Equip. NJID	Facility's Designation	Equipment Description	Equipment Type	Certificate Number	Install Date	Grand-Fathered	Last Mod. (Since 1968)	Equip. Set ID
E83221	Pacific1	8322 Davison Hall -26 Nichol Ave NG 3.4	Boiler	exempt	1/1/1963	Yes		
E83222	Weil McLain1	8322 Davison Hall -26 Nichol Ave NG 3.99	Boiler	BOP100002	10/1/2003	No	9/16/2010	
E83281	C-B Blr	Facilities Service Building 2.0 MMBTU/hr boiler NG	Boiler	PCP960004	11/1/2020	No	7/31/1995	
E83291	Weil McLain1	8329 Neilson Res Hall-Woodbury Hall NG 3.99	Boiler	BOP100002	1/1/2000	No	9/16/2010	
E83292	Weil McLain2	8329 Neilson Res Hall -Woodbury Hall NG 3.99	Boiler		4/15/2018	No		
E83302	Weil McLain1	8330 Neilson Res Hall - Nicholas Hall NG 3.99	Boiler	BOP100002	1/1/2000	No	9/16/2010	
E83303	Weil McLain2	8330 Neilson Res Hall - Nicholas Hall NG 3.99	Boiler		4/15/2018	No		
E83311	Weil McLain1	8331 Neilson Res Hall-Katzenback Hall NG 3.753	Boiler	exempt	8/1/2014	No	8/1/2014	
E83321	Weil McLain1	8332 Neilson Res Hall-Lippincott Hall NG 3.753	Boiler	exempt	9/1/2014	No	9/1/2014	
E83331	Weil McLain1	8333 Neilson Dining Hall NG 4.113	Boiler		12/15/2016	No		
E83332	Weil McLain2	8333 Neilson Dining Hall 2 NG 4.113	Boiler		12/15/2016	No		
E83333	Caterpillar1	8333 Neilson Dining Hall NG 2.95	Emergency Generator	GEN030013	8/29/2003	No	8/29/2003	

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Equip. NJID	Facility's Designation	Equipment Description	Equipment Type	Certificate Number	Install Date	Grand-Fathered	Last Mod. (Since 1968)	Equip. Set ID
E83341	Weil McLain1	8334 Continuing Ed Center Main Bldg NG 2.31	Boiler	exempt	1/1/1969	Yes	1/1/1969	
E83342	Weil McLain2	8334 Continuing Ed Center Main Bldg NG 2.31	Boiler	exempt	1/1/1969	Yes	1/1/1969	
E83942	Katolight1	8394 Willets Health Cntr - Jameson A-D Em Gen NG 1.6	Emergency Generator	GEN030014		No		
E83961	Weil McLain1	8396 Jameson Auditorium (Suydam St) NG 3.99	Boiler	BOP100002	1/1/1999	No	9/16/2010	
E83962	Weil McLain2	8396 Jameson Auditorium (Suydam St) NG 3.392	Boiler	BOP100002	4/10/2019	No	9/16/2010	
E84081	Weil McLain1	8408 Gibbons Res Hall A NG 3.99	Boiler	BOP100002	1/1/1998	No	9/16/2010	
E84082	Weil McLain2	8408 Gibbons Res Hall B NG 3.969	Boiler	GEN030001	7/1/2000	No		
E84191	Clvr Brooks1	8419 Walters hall NG / 2FO 10.461	Boiler	exempt	1/1/1972	Yes	1/1/1972	
E84192	Clvr Brooks2	8419 Walters hall NG / 2FO 10.461	Boiler	exempt	1/1/1972	Yes	1/1/1972	
E84193	Clvr Brooks3	8419 Walters hall NG / 2FO 10.461	Boiler	exempt	1/1/1972	Yes	1/1/1972	
E84194	Walters EG	Walters Hall EG 1.63 D	Emergency Generator	01970709	7/1/2010	No	3/3/2010	
E84251	Weil Mclain1	Weil McLain blr #1 1.356 NG	Boiler	PCP960033	7/1/2020	No	3/2/2020	
E84252	Weil McLain2	Weil McLAin Blr#2 1.356 NG	Boiler	PCP960033	7/1/2020	No	3/2/2020	
E84341	Nicholas1	Hydro 1 NG blr 1.0	Boiler		12/1/2012	No	3/1/2012	

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Equipment Inventory

Equip. NJID	Facility's Designation	Equipment Description	Equipment Type	Certificate Number	Install Date	Grand-Fathered	Last Mod. (Since 1968)	Equip. Set ID
E84342	Nicholas2	Hydro 2 NG blr 1.0	Boiler		12/1/2012	No	3/1/2012	

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E3 (Emergency Generator)
Print Date: 5/7/2025

Make:	Cummins/Onan
Manufacturer:	Cummins (01/01/2006 Manufacture Date)
Model:	GGHH
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	1.28
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:	100 kW 176 HP

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E4 (Emergency Generator)
Print Date: 5/7/2025

Make:	Cummins
Manufacturer:	Cummins (01/01/2020 Manufacture Date)
Model:	C80N6
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	1.05
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:	80 kW 127.6 HP

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E5 (Boiler)
Print Date: 5/7/2025

Make:	Weil Mclain
Manufacturer:	Weil Mclain
Model:	1388
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	4.11
Boiler Type:	Package
Utility Type:	
Output Type:	
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	

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

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

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

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

Comments:

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E6 (Boiler)
Print Date: 5/7/2025

Make:	Weil Mclain
Manufacturer:	Weil Mclain
Model:	988
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	3.17
Boiler Type:	Package
Utility Type:	
Output Type:	
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	

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

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

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

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

Comments:

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E7 (Emergency Generator)
Print Date: 5/7/2025

Make:	Caterpillar
Manufacturer:	Caterpillar (01/01/2024 Manufacture Date)
Model:	DG350 CG18
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	4.38
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:	350 kW 543 HP

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E8 (Emergency Generator)
Print Date: 5/7/2025

Make:	Caterpillar
Manufacturer:	Caterpillar (2024)
Model:	C18 600 (2024) Model Year
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	5.92
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:	600 kW 900 HP Displacement per cylinder: 3.01 L

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E6432 (Boiler)
Print Date: 5/7/2025

Make:	Patterson Kelley
Manufacturer:	Patterson Kelley
Model:	C2000
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	2.00
Boiler Type:	Package
Utility Type:	
Output Type:	
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	

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

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

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

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

Comments:

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E8000 (Emergency Generator)
Print Date: 5/7/2025

Make:	Cummins
Manufacturer:	Cummins
Model:	GTA855G3
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	2.95
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:	

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E9000 (Boiler)
Print Date: 5/7/2025

Make:	AO Smith
Manufacturer:	AO Smith
Model:	BTP 400-1000
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.26
Boiler Type:	Water Tube
Utility Type:	Non-Utility
Output Type:	Water Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E9001 (Boiler)
Print Date: 5/7/2025

Make:	AO Smith
Manufacturer:	AO Smith
Model:	BTP 400-1000
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.26
Boiler Type:	Water Tube
Utility Type:	Non-Utility
Output Type:	Water Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E9002 (Emergency Generator)
Print Date: 5/7/2025

Make:	
Manufacturer:	Detroit Diesel
Model:	500DS4
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	5.20
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:	

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E60001 (Boiler)
Print Date: 5/7/2025

Make:	
Manufacturer:	Burnham
Model:	
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.74
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Water Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Direct

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

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

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

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

Comments:

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E60021 (Boiler)
Print Date: 5/7/2025

Make:	
Manufacturer:	Burnham
Model:	B23
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	4.47
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E60023 (Boiler)
Print Date: 5/7/2025

Make:	Weil McClain
Manufacturer:	
Model:	1388
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	4.11
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Water Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

Have you attached a diagram showing the location and/or the configuration of this equipment?	
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	
Comments:	Replaced HB Smith 6.5 MMBTU/hr boiler E60022

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E60051 (Boiler)
Print Date: 5/7/2025

Make:	Weil Mclain
Manufacturer:	Weil Mclain
Model:	1388
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	4.12
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Water Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E60052 (Boiler)
Print Date: 5/7/2025

Make:	
Manufacturer:	Weil McLain
Model:	1388
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	3.99
Boiler Type:	Water Tube
Utility Type:	Non-Utility
Output Type:	Water Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E60061 (Boiler)
Print Date: 5/7/2025

Make:	
Manufacturer:	Weil McLain
Model:	
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	2.40
Boiler Type:	Water Tube
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E60081 (Boiler)
Print Date: 5/7/2025

Make:	Weil McLain
Manufacturer:	Weil Mclain
Model:	88
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.53
Boiler Type:	Water Tube
Utility Type:	Non-Utility
Output Type:	Water Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E60141 (Boiler)
Print Date: 5/7/2025

Make:	
Manufacturer:	Weil McLain
Model:	
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.16
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E60241 (Emergency Generator)
Print Date: 5/7/2025

Make:	
Manufacturer:	Cummins
Model:	
Maximum Rated Gross Heat Input (MMBtu/hr):	1.12
Will the equipment be used in excess of 500 hours per year?	no
Have you attached a diagram showing the location and/or configuration of this equipment?	
Have you attached any manufacturer's data or specifications which may aid in the review of this application?	
Comments:	

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E60244 (Boiler)
Print Date: 5/7/2025

Make:	Smith
Manufacturer:	Smith
Model:	28HE-S-9
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	2.72
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Water Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E60245 (Boiler)
Print Date: 5/7/2025

Make:	PK Thermific
Manufacturer:	Patterson Kelly
Model:	N-1700-2
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.70
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E60246 (Boiler)
Print Date: 5/7/2025

Make:	PK Thermific
Manufacturer:	Patterson Kelly
Model:	N-1700-2
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.70
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E60251 (Boiler)
Print Date: 5/7/2025

Make:	Smith
Manufacturer:	Smith
Model:	28HE-S-14
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	4.29
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Water Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E60254 (Boiler)
Print Date: 5/7/2025

Make:	Weil McClain
Manufacturer:	
Model:	1388
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	4.11
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Water Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

Have you attached a diagram showing the location and/or the configuration of this equipment?	
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	
Comments:	Replaced HB Smith 6.5 MMBTU/hr boiler E60252

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E60421 (Other Equipment)
Print Date: 5/7/2025

Make:	
Manufacturer:	
Model:	
Equipment Type:	Underground Storage Tank
Capacity:	6,000.00
Units:	gallons
Description:	

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

- ○ Yes
- ● No

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

- ○ Yes
- ● No

Comments:

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E60422 (Storage Vessel)
Print Date: 5/7/2025

What type of contents is this storage vessel equipped to contain by design?	Liquids Only
Storage Vessel Type:	Tank
Design Capacity:	6,000
Units:	gallons
Ground Location:	Below Ground
Is the Shell of the Equipment Exposed to Sunlight?	No
Shell Color:	
Description (if other):	
Shell Condition:	Light Rust
Paint Condition:	Good
Shell Construction:	Welded
Is the Shell Insulated?	No
Type of Insulation:	
Insulation Thickess (in):	
Thermal Conductivity of Insulation [(BTU)(in)(hr)(ft2)(deg F)]:	
Shape of Storage Vessel:	Cylindrical
Shell Height (From Ground to Roof Bottom) (ft):	
Length (ft):	42.00
Width (ft):	
Diameter (ft):	10.00
Other Dimension	
Description:	
Value:	
Units:	
Fill Method:	Submerged
Description (if other):	
Maximum Design Fill Rate:	100.00
Units:	gal/min
Does the storage vessel have a roof or an open top?	Roof
Roof Type:	Horizontal fixed roof tank
Roof Height (From Roof Bottom to Roof Top) (ft):	10.00
Roof Construction:	
Primary Seal Type:	
Secondary Seal Type:	
Total Number of Seals:	
Roof Support:	
Does the storage vessel have a Vapor Return Loop?	

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E60422 (Storage Vessel)
Print Date: 5/7/2025

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

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E60591 (Boiler)
Print Date: 5/7/2025

Make:	HB Smith
Manufacturer:	HB Smith
Model:	988
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	2.38
Boiler Type:	Water Tube
Utility Type:	Non-Utility
Output Type:	Water Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

Comments:

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E61091 (Boiler)
Print Date: 5/7/2025

Make:	Cleaver Brooks
Manufacturer:	Cleaver brooks
Model:	CBH740
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.67
Boiler Type:	Water Tube
Utility Type:	Non-Utility
Output Type:	Water Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E61092 (Boiler)
Print Date: 5/7/2025

Make:	Cleaver Brooks
Manufacturer:	Cleaver Brooks
Model:	CBH740
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.67
Boiler Type:	Water Tube
Utility Type:	Non-Utility
Output Type:	Water Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

Have you attached a diagram showing the location and/or the configuration of this equipment?	
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	
Comments:	

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E61161 (Boiler)
Print Date: 5/7/2025

Make:	Smith
Manufacturer:	Smith
Model:	28HE-S-6
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.77
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Water Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E62461 (Boiler)
Print Date: 5/7/2025

Make:	Weil McLain
Manufacturer:	Weil McLain
Model:	1488
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	3.97
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Water Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E62462 (Boiler)
Print Date: 5/7/2025

Make:	Weil McLain
Manufacturer:	Weil McLain
Model:	1488
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	3.43
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Water Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E62463 (Boiler)
Print Date: 5/7/2025

Make:	
Manufacturer:	Cleaver Brooks
Model:	
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	4.18
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E62464 (Emergency Generator)
Print Date: 5/7/2025

Make:	Cummins
Manufacturer:	Cummins
Model:	DQDAA
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	2.73
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:	

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E62465 (Boiler)
Print Date: 5/7/2025

Make:	P-K MACH
Manufacturer:	Paterson Kelly
Model:	C2000
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	2.00
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Water Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E62466 (Boiler)
Print Date: 5/7/2025

Make:	P-K MACH
Manufacturer:	Paterson Kelly
Model:	C2000
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	2.00
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Water Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E62468 (Emergency Generator)
Print Date: 5/7/2025

Make:	
Manufacturer:	MTU
Model:	12V1600G80S
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	5.60
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:	

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E62482 (Boiler)
Print Date: 5/7/2025

Make:	Columbia
Manufacturer:	Columbia
Model:	MPH-30
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.26
Boiler Type:	Water Tube
Utility Type:	
Output Type:	
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	

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

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

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

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

Comments:

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E62781 (Boiler)
Print Date: 5/7/2025

Make:	Weil McLain
Manufacturer:	Weil Mclain
Model:	88
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	2.22
Boiler Type:	Water Tube
Utility Type:	Non-Utility
Output Type:	Water Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E62801 (Boiler)
Print Date: 5/7/2025

Make:	Cleaver Brooks
Manufacturer:	Cleaver Brooks
Model:	FLX-1200
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	12.00
Boiler Type:	Field Erected
Utility Type:	Non-Utility
Output Type:	Water Only
Steam Output (lb/hr):	
Fuel Firing Method:	Domestic single chamber with primary burners
Description (if other):	
Draft Type:	Forced
Heat Exchange Type:	Indirect

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

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

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

Comments:

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E62802 (Boiler)
Print Date: 5/7/2025

Make:	Cleaver Brooks
Manufacturer:	Cleaver Brooks
Model:	FLX-1200
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	12.00
Boiler Type:	Field Erected
Utility Type:	Non-Utility
Output Type:	Water Only
Steam Output (lb/hr):	
Fuel Firing Method:	Domestic single chamber with primary burners
Description (if other):	
Draft Type:	Forced
Heat Exchange Type:	Indirect

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

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

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

Comments:

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E62803 (Boiler)
Print Date: 5/7/2025

Make:	
Manufacturer:	Weil McLaine
Model:	
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	4.55
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E63291 (Boiler)
Print Date: 5/7/2025

Make:	
Manufacturer:	H.B. Smith
Model:	913582-H
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	2.55
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E63292 (Boiler)
Print Date: 5/7/2025

Make:	
Manufacturer:	H.B. Smith
Model:	913583-H
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	2.55
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E63301 (Boiler)
Print Date: 5/7/2025

Make:	
Manufacturer:	Cleaver Brooks
Model:	89-2489-H
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	5.23
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E63302 (Boiler)
Print Date: 5/7/2025

Make:	
Manufacturer:	Cleaver Brooks
Model:	81-1971-H
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	3.35
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E63471 (Emergency Generator)
Print Date: 5/7/2025

Make:	
Manufacturer:	Kohler
Model:	395805
Maximum Rated Gross Heat Input (MMBtu/hr):	1.41
Will the equipment be used in excess of 500 hours per year?	
Have you attached a diagram showing the location and/or configuration of this equipment?	
Have you attached any manufacturer's data or specifications which may aid in the review of this application?	
Comments:	

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E63473 (Boiler)
Print Date: 5/7/2025

Make:	
Manufacturer:	Cleaver Brooks
Model:	L-91261
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	9.96
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

Have you attached a diagram showing the location and/or the configuration of this equipment?	
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	
Comments:	De-rated 2006 (BOP050001)

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E63474 (Boiler)
Print Date: 5/7/2025

Make:	
Manufacturer:	Cleaver Brooks
Model:	L-91262
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	9.96
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

Have you attached a diagram showing the location and/or the configuration of this equipment?	
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	
Comments:	De-rated 2006 (BOP050001)

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E63475 (Boiler)
Print Date: 5/7/2025

Make:	
Manufacturer:	A. O. Smith
Model:	892J9217873
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.24
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	

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

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

Have you attached a diagram showing the location and/or the configuration of this equipment?	
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	
Comments:	

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E63476 (Emergency Generator)
Print Date: 5/7/2025

Make:	
Manufacturer:	Detroit Diesel
Model:	2C3998084
Maximum Rated Gross Heat Input (MMBtu/hr):	2.1
Will the equipment be used in excess of 500 hours per year?	No
Have you attached a diagram showing the location and/or configuration of this equipment?	
Have you attached any manufacturer's data or specifications which may aid in the review of this application?	
Comments:	

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E63502 (Boiler)
Print Date: 5/7/2025

Make:	
Manufacturer:	Weil McLAin
Model:	129992458
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	3.99
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Water Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	

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

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

Have you attached a diagram showing the location and/or the configuration of this equipment?	
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	
Comments:	

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E63503 (Boiler)
Print Date: 5/7/2025

Make:	
Manufacturer:	Weil McLain
Model:	1388
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	3.99
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Water Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	

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

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

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

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

Comments:

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E63505 (Emergency Generator)
Print Date: 5/7/2025

Make:	
Manufacturer:	Katolight
Model:	AD202309S
Maximum Rated Gross Heat Input (MMBtu/hr):	1.5
Will the equipment be used in excess of 500 hours per year?	
Have you attached a diagram showing the location and/or configuration of this equipment?	
Have you attached any manufacturer's data or specifications which may aid in the review of this application?	
Comments:	

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E63506 (Boiler)
Print Date: 5/7/2025

Make:	Weil Mclain
Manufacturer:	Weil Mclain
Model:	1288
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	3.77
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Water Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E75991 (Boiler)
Print Date: 5/7/2025

Make:	PK Thermific
Manufacturer:	Patterson Kelly
Model:	N-2000-M
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	2.00
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E75992 (Boiler)
Print Date: 5/7/2025

Make:	PK Thermific
Manufacturer:	Patterson Kelly
Model:	N-2000-M
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	2.00
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E75993 (Emergency Generator)
Print Date: 5/7/2025

Make:	Kohler
Manufacturer:	Kohler
Model:	200REZXB
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	2.07
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:	200 kW; 302 HP; 2,115 ft^3/hr

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E83021 (Boiler)
Print Date: 5/7/2025

Make:	Weil McLain
Manufacturer:	Weil McLain
Model:	1388
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	4.11
Boiler Type:	Field Erected
Utility Type:	Non-Utility
Output Type:	Water Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E83022 (Boiler)
Print Date: 5/7/2025

Make:	Weil McLAin
Manufacturer:	Weil McLAin
Model:	1388
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	3.17
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Water Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E83031 (Boiler)
Print Date: 5/7/2025

Make:	
Manufacturer:	Weil McLain
Model:	CP3601538
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	3.99
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Water Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E83032 (Boiler)
Print Date: 5/7/2025

Make:	
Manufacturer:	Weil McLain
Model:	CO2150691
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	3.99
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Water Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E83071 (Boiler)
Print Date: 5/7/2025

Make:	Weil McLAin
Manufacturer:	Weil McLain
Model:	1388
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	4.12
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Water Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E83101 (Boiler)
Print Date: 5/7/2025

Make:	Burnham
Manufacturer:	Burnham
Model:	92-3317H
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	4.72
Boiler Type:	Water Tube
Utility Type:	Non-Utility
Output Type:	Water Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E83111 (Emergency Generator)
Print Date: 5/7/2025

Make:	
Manufacturer:	Olympian
Model:	CG100
Maximum Rated Gross Heat Input (MMBtu/hr):	1.7
Will the equipment be used in excess of 500 hours per year?	no
Have you attached a diagram showing the location and/or configuration of this equipment?	
Have you attached any manufacturer's data or specifications which may aid in the review of this application?	
Comments:	

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E83131 (Emergency Generator)
Print Date: 5/7/2025

Make:	Kohler
Manufacturer:	Kohler
Model:	150RZD
Maximum Rated Gross Heat Input (MMBtu/hr):	1.95
Will the equipment be used in excess of 500 hours per year?	no
Have you attached a diagram showing the location and/or configuration of this equipment?	
Have you attached any manufacturer's data or specifications which may aid in the review of this application?	
Comments:	

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E83203 (Boiler)
Print Date: 5/7/2025

Make:	
Manufacturer:	Weil McLain
Model:	1388
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	4.11
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E83212 (Boiler)
Print Date: 5/7/2025

Make:	Weil McLain
Manufacturer:	Weil McLain
Model:	BG 1388-S
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	4.12
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Water Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E83221 (Boiler)
Print Date: 5/7/2025

Make:	
Manufacturer:	Pacific
Model:	3645-H
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	3.40
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E83222 (Boiler)
Print Date: 5/7/2025

Make:	Power Flame
Manufacturer:	Weil McLain
Model:	BG-1388
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	3.99
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Water Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E83281 (Boiler)
Print Date: 5/7/2025

Make:	Cleaver Brooks
Manufacturer:	Cleaver Brooks
Model:	CFC-E
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	2.00
Boiler Type:	Water Tube
Utility Type:	Non-Utility
Output Type:	Water Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

Comments:

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E83291 (Boiler)
Print Date: 5/7/2025

Make:	
Manufacturer:	Weil McLain
Model:	1388
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	3.99
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Water Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E83292 (Boiler)
Print Date: 5/7/2025

Make:	Weil McLain
Manufacturer:	Weil McLain
Model:	1388
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	3.99
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Water Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E83302 (Boiler)
Print Date: 5/7/2025

Make:	Weil McLain
Manufacturer:	Weil McLain
Model:	1388
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	3.99
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Water Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E83303 (Boiler)
Print Date: 5/7/2025

Make:	Weil McLain
Manufacturer:	Weil McLain
Model:	1388
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	3.99
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Water Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E83311 (Boiler)
Print Date: 5/7/2025

Make:	Weil McLain
Manufacturer:	Weil McLAin
Model:	1288
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	3.75
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Water Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E83321 (Boiler)
Print Date: 5/7/2025

Make:	Weil McLain
Manufacturer:	Weil McLAin
Model:	1288
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	3.75
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Water Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E83331 (Boiler)
Print Date: 5/7/2025

Make:	Weil McLain
Manufacturer:	Weil McLain
Model:	1388
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	4.11
Boiler Type:	Field Erected
Utility Type:	Non-Utility
Output Type:	Water Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E83332 (Boiler)
Print Date: 5/7/2025

Make:	Weil McLain
Manufacturer:	Weil McLain
Model:	1388
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	4.11
Boiler Type:	Field Erected
Utility Type:	Non-Utility
Output Type:	Water Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E83333 (Emergency Generator)
Print Date: 5/7/2025

Make:	Caterpillar
Manufacturer:	Caterpillar
Model:	DM5429
Maximum Rated Gross Heat Input (MMBtu/hr):	2.95
Will the equipment be used in excess of 500 hours per year?	no
Have you attached a diagram showing the location and/or configuration of this equipment?	no
Have you attached any manufacturer's data or specifications which may aid in the review of this application?	
Comments:	

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E83341 (Boiler)
Print Date: 5/7/2025

Make:	
Manufacturer:	Weil McLain
Model:	70-812-1H
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	2.31
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E83342 (Boiler)
Print Date: 5/7/2025

Make:	
Manufacturer:	Weil McLain
Model:	70-812-2H
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	2.31
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E83961 (Boiler)
Print Date: 5/7/2025

Make:	
Manufacturer:	Weil McLain
Model:	1388
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	3.99
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Water Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E83962 (Boiler)
Print Date: 5/7/2025

Make:	Weil McLAin
Manufacturer:	Weil McLAin
Model:	1388
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	3.39
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Water Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E84081 (Boiler)
Print Date: 5/7/2025

Make:	
Manufacturer:	Weil McLain
Model:	1388
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	3.99
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Water Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E84082 (Boiler)
Print Date: 5/7/2025

Make:	
Manufacturer:	Weil McLain
Model:	
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	3.97
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E84191 (Boiler)
Print Date: 5/7/2025

Make:	
Manufacturer:	Cleaver Brooks
Model:	L-55139
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	10.46
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	
Fuel Firing Method:	Tangential
Description (if other):	
Draft Type:	Forced
Heat Exchange Type:	Indirect

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

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

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

Comments:

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E84192 (Boiler)
Print Date: 5/7/2025

Make:	
Manufacturer:	Cleaver Brooks
Model:	L-68223
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	10.46
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	
Fuel Firing Method:	Tangential
Description (if other):	
Draft Type:	Forced
Heat Exchange Type:	Indirect

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

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

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

Comments:

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E84193 (Boiler)
Print Date: 5/7/2025

Make:	
Manufacturer:	Cleaver Brooks
Model:	L-55138
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	10.46
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	
Fuel Firing Method:	Tangential
Description (if other):	
Draft Type:	Forced
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E84194 (Emergency Generator)
Print Date: 5/7/2025

Make:	Kohler
Manufacturer:	Kohler
Model:	150REOZJD
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	1.63
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:	

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E84251 (Boiler)
Print Date: 5/7/2025

Make:	Weil McLain
Manufacturer:	Weil McLain
Model:	1288
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.36
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Water Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E84252 (Boiler)
Print Date: 5/7/2025

Make:	Weil McLain
Manufacturer:	Weil McLain
Model:	1288
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.36
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Water Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E84341 (Boiler)
Print Date: 5/7/2025

Make:	HydroTherm
Manufacturer:	Paterson Kelly
Model:	N-1000
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.00
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Water Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

18399 NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS BOP190002 E84342 (Boiler)
Print Date: 5/7/2025

Make:	HydroTherm
Manufacturer:	Paterson Kelly
Model:	N-1000
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.00
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Water Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS (18399)
BOP190002

Date: 7/3/2025

New Jersey Department of Environmental Protection
Emission Points Inventory

PT NJID	Facility's Designation	Description	Config.	Equiv. Diam. (in.)	Height (ft.)	Dist. to Prop. Line (ft)	Exhaust Temp. (deg. F)			Exhaust Vol. (acfm)			Discharge Direction	PT Set ID
							Avg.	Min.	Max.	Avg.	Min.	Max.		
PT1	6000	6000 Waller Hall (Short Course Bldg.)	Rectangle	20	52	100	320.0	300.0	350.0	750.0	650.0	1,000.0	Up	
PT2	6002	6002 Florticulture Greenhouses	Round	36	50	210	310.0	300.0	350.0	1,588.0	1,400.0	3,176.0	Up	
PT3	6005	6005 Blake Hall	Rectangle	24	31	150	350.0	300.0	400.0	2,630.0	2,500.0	3,000.0	Up	
PT4	6006	6006 Martin Hall	Round	14	53	250	110.0	100.0	150.0	700.0	625.0	900.0	Up	
PT5	6008	6008 Farm Crops Greenhouse	Round	10	19	250	110.0	100.0	150.0	700.0	625.0	900.0	Up	
PT6	6014	6014 Plant Physiology	Round	14	33	350	450.0	400.0	500.0	465.0	400.0	500.0	Up	
PT7	60241	6024 Bartlett Hall EG	Round	6	8	450	350.0	300.0	400.0	650.0	610.0	690.0	Up	
PT9	60243	Bartlett Hall old	Round	24	45	180	285.0	250.0	300.0	1,210.0	1,000.0	1,500.0	Up	
PT10	6025	6025 Lipman Hall	Round	10	52	160	315.0	300.0	350.0	1,588.0	1,400.0	3,176.0	Up	
PT11	60421	6042 Gasoline UST at Blacksmith Shop	Round	2	12	70	70.0	70.0	70.0	30.0	30.0	30.0	Up	
PT12	60422	6042 Stage II VRS for UST at Blacksmith Shop	Round	2	12	70	70.0	70.0	70.0	30.0	30.0	30.0	Up	
PT13	6059	6059 BioResource Engineering	Round	14	36	1,000	250.0	210.0	300.0	870.0	785.0	900.0	Up	
PT16	6116	6116 Lab Annex	Rectangle	10	20	120	315.0	300.0	350.0	450.0	400.0	500.0	Up	
PT17	62461	Food Science Boilers	Round	24	76	1,500	290.0	250.0	350.0	4,925.0	4,599.0	5,000.0	Up	
PT18	62462	6264 Food Science EG 2.73 D	Round	6	20	1,500	1,000.0	950.0	1,061.0	1,900.0	1,800.0	2,085.0	Up	
PT19	6248	6248 Ornamental Horticulture Lab	Round	12	20	2,000	250.0	200.0	300.0	900.0	800.0	1,000.0	Up	
PT20	6278	Cook Admin (PAL) Bldg	Round	14	14	3,000	370.0	350.0	400.0	1,075.0	980.0	1,300.0	Up	

NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS (18399)
BOP190002

Date: 7/3/2025

New Jersey Department of Environmental Protection
Emission Points Inventory

PT NJID	Facility's Designation	Description	Config.	Equiv. Diam. (in.)	Height (ft.)	Dist. to Prop. Line (ft)	Exhaust Temp. (deg. F)			Exhaust Vol. (acfm)			Discharge Direction	PT Set ID
							Avg.	Min.	Max.	Avg.	Min.	Max.		
PT21	62801	6280 Newell Central Heat Boiler 1	Round	40	29	1,000	550.0	350.0	600.0	5,460.0	4,350.0	6,500.0	Up	
PT22	62802	6280 Newell Central Heat Boiler 2	Round	40	29	1,000	550.0	350.0	600.0	5,460.0	4,350.0	6,500.0	Up	
PT23	62803	6280 Newell Central Heat Boiler 3	Round	24	29	1,000	550.0	350.0	600.0	2,000.0	3,000.0	4,000.0	Up	
PT25	6329	6329 Research Greenhouse Blrs	Round	24	18	210	310.0	300.0	350.0	970.0	500.0	1,000.0	Up	
PT26	6330	6330 Environmental & Nat Resource	Rectangle	14	41	174	275.0	250.0	300.0	2,689.0	2,500.0	3,000.0	Up	
PT27	63471	6347 Foran Hall Pump House Emergency Gen	Round	24	12	1,500	350.0	300.0	400.0	650.0	600.0	700.0	Up	
PT28	63472	6347 Foran Hall Boilers	Round	48	84	1,500	400.0	300.0	500.0	11,500.0	11,000.0	12,000.0	Up	
PT29	63473	6347 Foran Hall Pump Emergency Gen	Round	16	81	1,500	450.0	400.0	500.0	565.0	500.0	600.0	Up	
PT30	6350	Marine Science Boilers	Round	30	66	1,000	280.0	250.0	300.0	5,800.0	5,000.0	6,000.0	Up	
PT31	8302	8302 Chemistry Bldg	Rectangle	43	56	50	350.0	300.0	400.0	2,730.0	2,500.0	3,000.0	Up	
PT32	8303	8303 Ruth Adams	Rectangle	43	56	50	350.0	300.0	400.0	2,730.0	2,500.0	3,000.0	Up	
PT33	8310	8310 Music Bldg (Old)	Rectangle	36	45	200	500.0	400.0	600.0	1,435.0	1,400.0	1,500.0	Up	
PT34	8311	8311 Hickman Hall Emergency gen	Round	6	7	75	350.0	300.0	400.0	650.0	610.0	690.0	Up	
PT35	8320	8320 Douglass College Center	Round	18	36	300	370.0	350.0	400.0	1,600.0	1,400.0	1,800.0	Up	
PT36	8321	8321 Loree gym	Round	14	30	275	220.0	200.0	300.0	3,710.0	3,500.0	4,000.0	Up	
PT37	8322	8322 Davison Hall	Round	38	32	100	400.0	300.0	500.0	2,580.0	2,000.0	3,000.0	Up	

NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS (18399)
BOP190002

Date: 7/3/2025

New Jersey Department of Environmental Protection
Emission Points Inventory

PT NJID	Facility's Designation	Description	Config.	Equiv. Diam. (in.)	Height (ft.)	Dist. to Prop. Line (ft)	Exhaust Temp. (deg. F)			Exhaust Vol. (acfm)			Discharge Direction	PT Set ID
							Avg.	Min.	Max.	Avg.	Min.	Max.		
PT38	8328	8328 Facilities Service Bldg Boiler	Round	10	26	2,000	250.0	200.0	300.0	560.0	500.0	600.0	Up	
PT39	8329 Woodbur	8329 Neilson Res Hall - Woodbury	Rectangle	19	38	900	200.0	150.0	250.0	3,250.0	3,000.0	3,500.0	Up	
PT40	8330 Nichola	8330 Neilson Res Hall - Nicholas	Rectangle	19	38	900	200.0	150.0	250.0	3,250.0	3,000.0	3,500.0	Up	
PT41	8331	Nielson Res Hall - Katzenback Hall	Round	14	47	200	200.0	150.0	250.0	3,250.0	3,000.0	3,500.0	Up	
PT42	8332	Neilson Res Hall - Lippicott Hall	Round	12	50	400	200.0	160.0	250.0	2,100.0	2,000.0	2,500.0	Up	
PT43	8333	8333 Neilson Dinning Hall	Round	24	32	175	350.0	300.0	400.0	2,800.0	2,600.0	3,100.0	Up	
PT44	8334	8334 Continuing Ed	Rectangle	20	35	150	400.0	350.0	450.0	1,665.0	1,500.0	2,000.0	Up	
PT45	8394	8394 Willets health Center (Jameson dorms)	Round	34	68	100	295.0	250.0	300.0	2,685.0	2,500.0	3,000.0	Up	
PT47	84081	8408A Gibbons Hall A	Rectangle	27	32	330	300.0	250.0	350.0	4,100.0	4,000.0	4,500.0	Up	
PT48	84082	8408B Gibbons Hall B	Round	14	39	500	300.0	250.0	350.0	4,100.0	4,000.0	4,500.0	Up	
PT50	8419	8419 Walters Hall Boilers	Round	36	36	5,000	300.0	400.0	500.0	5,500.0	4,400.0	6,500.0	Up	
PT51	Walters EG	Walters Hall EG 1.63 D	Round	4	81	5,000	750.0	500.0	950.0	900.0	600.0	1,197.0	Up	
PT53	84251	Henderson Apartment Boilers	Round	14	44	500	500.0	500.0	500.0	1,200.0	1,200.0	1,200.0	Up	
PT54	6329	6329 Research Green-House	Round	6	16	210	850.0	600.0	1,074.0	800.0	500.0	1,500.0	Up	
PT55	8313	8313 Douglass Library EG	Round	6	15	2,210	850.0	600.0	1,074.0	1,000.0	500.0	1,500.0	Up	
PT56	8307 Vorhees	8307 Vorhees Chapel	Round	44	67	3,000	350.0	250.0	450.0	1,665.0	1,500.0	2,000.0	Up	
PT58	Pub Safety	Public Safety Bldg Boilers	Round	10	41	100	300.0	250.0	350.0	400.0	376.0	700.0	Up	

NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS (18399)
BOP190002

Date: 7/3/2025

New Jersey Department of Environmental Protection
Emission Points Inventory

PT NJID	Facility's Designation	Description	Config.	Equiv. Diam. (in.)	Height (ft.)	Dist. to Prop. Line (ft)	Exhaust Temp. (deg. F)			Exhaust Vol. (acfm)			Discharge Direction	PT Set ID
							Avg.	Min.	Max.	Avg.	Min.	Max.		
PT59	Public Safe	Public Safety Bldg E Gen	Round	8	20	75	450.0	400.0	500.0	4,000.0	4,000.0	4,080.0	Up	
PT61	Labor Ed	6109 Labor Education Clv Brks	Round	24	20	500	180.0	150.0	200.0	2,800.0	2,600.0	3,100.0	Up	
PT62	Nicholas Mus	Nicholas Music Center Blrs	Round	14	50	1,000	200.0	150.0	250.0	500.0	500.0	1,000.0	Up	
PT64	IFNH EG	IFNH EG	Round	4	12	2,000	797.0	797.0	797.0	4,662.0	4,662.0	4,662.0	Up	
PT66	ASBII EG	7599 ASBII EG	Round	3	20	2,000	1,112.0	1,112.0	1,112.0	850.0	850.0	850.0	Up	
PT71	Newell EG	Emerg. Gen. E3 Stack	Round	3	10	1,000	1,184.0	1,184.0	1,184.0	687.0	687.0	687.0	Up	
PT72	RCAAS EG	Emerg. Gen. E4 Stack	Round	4	8	1,000			1,224.0			840.0	Up	
PT73	IFNH Blr. C	Boiler E6432 Stack	Round	10	10	2,500			220.0			611.0	Horizontal	
PT74	Hort Lab	Boiler E62482 Stack	Round	12	20	2,000			300.0			1,000.0	Up	
PT75	6024 B1 ANX	Boiler E5 Stack	Round	14	22	108			440.0			1,588.0	Up	
PT76	6024 B2 ANX	Boiler E6 Stack	Round	14	22	108			450.0			954.0	Up	
PT77	6025 EG1	Emerg. Gen. E7 Stack	Round	8	9	180			1,021.0			3,315.0	Up	
PT78	6330 EG1	Emerg. Gen. E8 Stack	Round	12	11	420			994.0			4,784.0	Up	
PT81	60242	6024 Bartlett Hall Annex Blr 1	Round	8	28	450	400.0	350.0	450.0	975.0	865.0	1,050.0	Up	
PT82	60245	6024 Bartlett Hall Annex Blr 2	Round	8	28	450	400.0	350.0	450.0	975.0	865.0	1,050.0	Up	
PT301	6350 EG	6350 Marine Science EG	Round	6	10	100	973.0	834.0	1,112.0	803.0	688.0	918.0	Horizontal	
PT431	8333 EG	8333 Neilson Dining Hall EG	Round	5	10	150	875.0	750.0	1,000.0	2,150.0	1,843.0	2,458.0	Up	
PT461	83961	8396 Jameson (Suydam St.) blr 1	Round	10	56	50	295.0	250.0	300.0	2,685.0	2,500.0	3,000.0	Up	

NJ RUTGERS UNIV COOK/DOUGLAS CAMPUS (18399)
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New Jersey Department of Environmental Protection
Emission Points Inventory

PT NJID	Facility's Designation	Description	Config.	Equiv. Diam. (in.)	Height (ft.)	Dist. to Prop. Line (ft)	Exhaust Temp. (deg. F)			Exhaust Vol. (acfm)			Discharge Direction	PT Set ID
							Avg.	Min.	Max.	Avg.	Min.	Max.		
PT462	83962	8396 Jameson (Suydam St.) blr 2	Round	10	56	50	295.0	250.0	300.0	2,685.0	2,500.0	3,000.0	Up	
PT571	75991	7599 ASB II blr 1	Round	14	19	3,000	300.0	250.0	350.0	1,000.0	700.0	1,400.0	Up	
PT572	75992	7599 ASB II blr 2	Round	14	19	3,000	300.0	250.0	350.0	1,000.0	700.0	1,400.0	Up	
PT631	IFNH-1	IFNH boiler 1	Round	6	6	5,000	170.0	150.0	194.0	2,000.0	1,000.0	6,000.0	Horizontal	
PT632	IFNH-2	IFNH boiler 2	Round	6	6	5,000	170.0	150.0	194.0	2,000.0	1,000.0	6,000.0	Horizontal	
PT633	IFNH-3	IFNH boiler 3	Round	6	6	5,000	170.0	150.0	194.0	2,000.0	1,000.0	6,000.0	Horizontal	
PT91001	Endocrine-EG	Endocrine Research EG NG 2.95	Round	4	20	1,000	2,000.0	1,500.0	2,328.0	1,200.0	1,100.0	1,350.0	Up	

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

U 1 Blrs 1-5 Boilers 1-5 MMBtu/hr NG

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	AO Smith	Public Safety Building 1.26 MMBtu/hr	Normal - Steady State	E9000		PT58	1-03-006-03				4,000.0	4,080.0	400.0	400.0
OS2	AO Smith	Public Safety Building 1.26 MMBtu/hr	Normal - Steady State	E9001		PT58	1-03-006-03				4,000.0	4,080.0	400.0	400.0
OS3	Burnham1	6000 Waller Halll (Short Course Bldg) 1.738 MMBtu/hr	Normal - Steady State	E60001		PT1	1-03-006-03				650.0	1,000.0	300.0	350.0
OS4	Weil McLain1	6002 Florticulture Greenhouse 4.113 MMbtu/hr	Normal - Steady State	E60023		PT2	1-03-006-03				500.0	1,000.0	300.0	350.0
OS5	Burnham1	6002 Florticulture Greenhouse 4.474 MMBtu/hr	Normal - Steady State	E60021		PT2	1-03-006-03				500.0	1,000.0	300.0	350.0
OS6	Weil McLain1	6005 Blake Hall 4.119 MMBtu/hr	Normal - Steady State	E60051		PT3	1-03-006-03				2,500.0	3,500.0	300.0	400.0
OS7	Weil McLain2	6005 Blake Hall 3.99 MMBtu/hr	Normal - Steady State	E60052		PT3	1-03-006-03				2,500.0	3,500.0	300.0	400.0
OS8	Weil McLain1	6006 Martin Hall Cook College Admin Bldg 2.396 MMBtu/hr	Normal - Steady State	E60061		PT4	1-03-006-03				625.0	900.0	100.0	150.0
OS9	Weil McLain1	6008 Farm Crops Greenhouse 1.53 MMBtu/hr	Normal - Steady State	E60081		PT5	1-03-006-03				625.0	900.0	100.0	150.0
OS10	Weil McLain1	6014 Plant Physiology 1.155 MMBtu/hr	Normal - Steady State	E60141		PT6	1-03-006-03				400.0	500.0	400.0	550.0
OS11	B1 ANX	6024 Bartlett Hall Annex Blr 1 4.11 MMBtu/hr	Normal - Steady State	E5		PT75	1-03-006-03							
OS12	B2 ANX	6024 Bartlett Hall Annex Blr 2 3.17 MMBtu/hr	Normal - Steady State	E6		PT76	1-03-006-03							
OS13	Smith 1	6024 Bartlett Hall (Main Bldg) 2.718 MMBtu/hr	Normal - Steady State	E60244		PT9	1-03-006-03				865.0	1,050.0	350.0	450.0

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

U 1 Blrs 1-5 Boilers 1-5 MMBtu/hr NG

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS14	P-K #1	6024 Bartlett Hall (Main Bldg) 1.7 MMBtu/hr	Normal - Steady State	E60245		PT9	1-03-006-03				865.0	1,050.0	350.0	450.0
OS15	P-K #2	6024 Bartlett Hall (Main Bldg) 1.7 MMBtu/hr	Normal - Steady State	E60246		PT9	1-03-006-03				865.0	1,050.0	350.0	450.0
OS16	Smith1	6025 Lipmann Hall 4.293 MMBtu/hr	Normal - Steady State	E60251		PT10	1-03-006-03				3,000.0	4,000.0	300.0	350.0
OS17	Weil McLain2	6025 Lipmann Hall 4.113 MMBtu/hr	Normal - Steady State	E60254		PT10	1-03-006-03				3,000.0	4,000.0	300.0	350.0
OS18	Weil McLain	Bioresource Engineering 2.382 MMBtu/hr	Normal - Steady State	E60591		PT13	1-03-006-03				785.0	900.0	210.0	300.0
OS19	Labor Ed 1	6109 Llabor Ed Clvr Brooks 1 1.674 MMBtu/hr	Normal - Steady State	E61091		PT61	1-03-006-03				2,600.0	3,100.0	150.0	230.0
OS20	Labor Ed 2	6109 Labor Ed Clvr Brooks 2 1.674 MMBtu/hr	Normal - Steady State	E61092		PT61	1-03-006-03				2,600.0	3,100.0	150.0	230.0
OS21	Smith1	6116 Lab Annex 1.773 MMBtu/hr	Normal - Steady State	E61161		PT16	1-03-006-03				400.0	500.0	300.0	350.0
OS22	Weil McLain1	6246 Food Science Weil McLain Blr 1 NG 3.965 MMBtu/hr	Normal - Steady State	E62461		PT17	1-03-006-03				1,000.0	1,945.0	300.0	350.0
OS23	Weil McLain2	6246 Food Science Weil McLain Blr 2 NG 3.428 MMBtu/hr	Normal - Steady State	E62462		PT17	1-03-006-03				1,000.0	1,945.0	300.0	350.0
OS24	Clvr Brooks3	6246 Food Science 4.184 MMBtu/hr	Normal - Steady State	E62463		PT17	1-03-006-03				4,500.0	5,000.0	250.0	350.0
OS25	Hort Lab	6248 Hort Lab Blr. NG 1.26 MMBtu/hr	Normal - Steady State	E62482		PT19	1-03-006-03							
OS26	Weil McLain1	6278 Cook Admin (PAL Bldg) 2.219 MMBtu/hr	Normal - Steady State	E62781		PT20	1-03-006-03				980.0	1,300.0	350.0	400.0
OS27	Weil McLain1	6280 Newell Central Heating Plant 4.55 MMBtu/hr	Normal - Steady State	E62803		PT23	1-03-006-03				3,000.0	4,000.0	350.0	600.0

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Emission Unit/Batch Process Inventory

U 1 Blrs 1-5 Boilers 1-5 MMBtu/hr NG

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS28	HB Smith1	6329 Research Green House 2.55 MMBtu/hr	Normal - Steady State	E63291		PT25	1-03-006-03				500.0	1,000.0	300.0	350.0
OS29	HB Smith2	6329 Research Green House 2.55 MMBtu/hr	Normal - Steady State	E63292		PT25	1-03-006-03				500.0	1,000.0	300.0	350.0
OS30	Clvr Brooks2	6330 Environmentaal & Natural Resources 3.35 MMBtu/hr	Normal - Steady State	E63302		PT26	1-03-006-03				2,500.0	3,000.0	250.0	300.0
OS31	AO Smith1	6347 Foran Hall 1.24 MMBtu/hr	Normal - Steady State	E63475		PT28	1-03-006-03				2,500.0	3,000.0	250.0	300.0
OS32	Weil McLain1	6350 Marine Sciences Bldg 3.99 MMBtu/hr	Normal - Steady State	E63502		PT30	1-03-006-03				2,500.0	3,000.0	250.0	300.0
OS33	Weil McLain2	6350 Marine Sciences Bldg 3.99 MMBtu/hr	Normal - Steady State	E63503		PT30	1-03-006-03				2,500.0	3,000.0	250.0	300.0
OS34	Weil McLain3	6350 Marine Sciences Bldg 3.773 MMBtu/hr	Normal - Steady State	E63506		PT30	1-03-006-03				2,500.0	3,000.0	250.0	300.0
OS35	IFNH Blr 1	6432 Boiler 1 2 MMBtu/hr	Normal - Steady State	E62465		PT631	1-03-006-03				1,000.0	2,000.0	150.0	194.0
OS36	IFNH Blr 2	6432 Boiler 2 2 MMBtu/hr	Normal - Steady State	E62466		PT632	1-03-006-03				1,000.0	2,000.0	150.0	194.0
OS37	IFNH Blr 3	6432 Boiler 3 2 MMBtu/hr	Normal - Steady State	E6432		PT633	1-03-006-03							
OS38	PK Thermif1	7599 ASB II 2.0 MMBtu/hr	Normal - Steady State	E75991		PT571	1-03-006-03				400.0	510.0	200.0	300.0
OS39	PK Thermif2	7599 ASB II 2.0 MMBtu/hr	Normal - Steady State	E75992		PT572	1-03-006-03				400.0	510.0	200.0	300.0
OS40	Weil McLain1	8302 Chemistry Bldg 4.113 MMBtu/hr	Normal - Steady State	E83021		PT31	1-03-006-03				2,500.0	3,000.0	300.0	400.0
OS41	Weil McLain2	8302 Chemistry Bldg 3.172 MMBtu/hr	Normal - Steady State	E83022		PT31	1-03-006-03				2,500.0	3,000.0	300.0	400.0

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

U 1 Blrs 1-5 Boilers 1-5 MMBtu/hr NG

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS42	Weil McLain1	8303 Ruth Adams Language Arts 3.99 MMBtu/hr	Normal - Steady State	E83031		PT32	1-03-006-03				2,500.0	3,000.0	300.0	400.0
OS43	Weil McLain2	8303 Ruth Adams Language Arts 3.99 MMBtu/hr	Normal - Steady State	E83032		PT32	1-03-006-03				2,500.0	3,000.0	300.0	400.0
OS44	HB Smith1	8307 Voorhees Chapel 4.199 MMBtu/hr	Normal - Steady State	E83071		PT56	1-03-006-03				2,500.0	3,000.0	250.0	300.0
OS45	Burnham1	8310 Music Bldg (old) 4.718 MMBtu/hr	Normal - Steady State	E83101		PT33	1-03-006-03				1,400.0	1,500.0	400.0	600.0
OS46	Weil McLain1	8320 Douglass College Cntr 4.113 MMBtu/hr	Normal - Steady State	E83203		PT35	1-03-006-03				1,400.0	1,800.0	350.0	400.0
OS47	Weil McLain1	8321 Loree Gym 4.119 MMBtu/hr	Normal - Steady State	E83212		PT36	1-03-006-03				3,500.0	4,000.0	200.0	300.0
OS48	Pacific1	8322 Davison Hall 3.4 MMBtu/hr	Normal - Steady State	E83221		PT37	1-03-006-03				2,000.0	3,500.0	150.0	250.0
OS49	Weil McLain1	8322 Davison Hall 3.99 MMBtu/hr	Normal - Steady State	E83222		PT37	1-03-006-03				1,500.0	2,000.0	150.0	250.0
OS50	Cleaver Broo	8328 Facilities Services Building 2.0 MMBtu.hr Blr NG	Normal - Steady State	E83281		PT38	1-03-006-03	2,000.0	8,760.0		500.0	600.0	200.0	300.0
OS51	Weil McLain1	8329 Neilson Res. Hall - Woodbury Hall 3.99 MMBtu/hr	Normal - Steady State	E83291		PT39	1-03-006-03				2,500.0	3,500.0	150.0	250.0
OS52	Weil McLain2	8329 Neilson Res. Hall - Woodbury Hall 3.39 MMBtu/hr	Normal - Steady State	E83292		PT39	1-03-006-03				2,500.0	3,500.0	150.0	250.0
OS53	Weil McLain1	8330 Neilson Res. Hall - Nicholas Hall 3.753 MMBtu/hr	Normal - Steady State	E83302		PT40	1-03-006-03				2,500.0	3,500.0	150.0	250.0

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Emission Unit/Batch Process Inventory

U 1 Blrs 1-5 Boilers 1-5 MMBtu/hr NG

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS54	Weil McLain2	8330 Neilson Res. Hall - Nicholas Hall 3.99 MMBtu/hr	Normal - Steady State	E83303		PT40	1-03-006-03				2,500.0	3,500.0	150.0	250.0
OS55	Weil McLain1	8331 Neilson Res Hall - Katzenback Hall 3.753 MMBtu/hr	Normal - Steady State	E83311		PT41	1-03-006-03				2,000.0	2,500.0	150.0	250.0
OS56	Weil McLain1	8332 Neilson Res Hall - Lippincott Hall 3.753 MMBtu/hr	Normal - Steady State	E83321		PT42	1-03-006-03				2,000.0	2,500.0	150.0	250.0
OS57	Weil McLain1	8333 Neilson Dining Hall 4.113 MMBtu/hr	Normal - Steady State	E83331		PT43	1-03-006-03				2,600.0	3,100.0	300.0	400.0
OS58	Weil McLain2	8333 Neilson Dining Hall 4.113 MMBtu/hr	Normal - Steady State	E83332		PT43	1-03-006-03				2,600.0	3,100.0	300.0	400.0
OS59	Weil McLain1	8334 Continuing Ed 2.31 MMBtu/hr	Normal - Steady State	E83341		PT44	1-03-006-03				1,500.0	2,000.0	350.0	450.0
OS60	Weil McLain2	8334 Continuing Ed 2.31 MMBtu/hr	Normal - Steady State	E83342		PT44	1-03-006-03				1,500.0	2,000.0	350.0	450.0
OS61	Weil McLain1	8396 Jameson Auditorium (Suydam St) 3.99 MMBtu/hr	Normal - Steady State	E83961		PT461	1-03-006-03				2,500.0	3,000.0	250.0	300.0
OS62	Weil McLain2	8396 Jameson Dorm (Suydam St) 3.392 MMBtu/hr	Normal - Steady State	E83962		PT462	1-03-006-03	4,000.0	8,760.0		2,500.0	3,000.0	250.0	300.0
OS63	Weil McLain1	8408 Gibbons Residence Hall A 3.99 MMBtu/hr	Normal - Steady State	E84081		PT47	1-03-006-03				2,500.0	3,000.0	250.0	300.0
OS64	Weil McLain2	8408 Gibbons Residence Hall B 3.969 MMBtu/hr	Normal - Steady State	E84082		PT48	1-03-006-03				2,500.0	3,000.0	250.0	300.0
OS65	Weil McLain1	8425 Henderson Apts Blr #1 NG 1.356 MMBtu/hr	Normal - Steady State	E84251		PT53	1-03-006-03	0.0	8,760.0		1,200.0	1,200.0	500.0	500.0
OS66	Weil McLain2	8425 Henderson Apts Blr #2 NG 1.356 MMBtu/hr	Normal - Steady State	E84252		PT53	1-03-006-03	0.0	8,760.0		1,200.0	1,200.0	500.0	500.0

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Emission Unit/Batch Process Inventory

U 1 Blrs 1-5 Boilers 1-5 MMBtu/hr NG

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS67	Nicholas1	8434 Nicolas Musics Center Blr 1 1 MMBtu/hr	Normal - Steady State	E84341		PT62	1-03-006-03				500.0	500.0	150.0	250.0
OS68	Nicholas2	8434 Nicolas Musics Center Blr 2 1 MMBtu/hr	Normal - Steady State	E84342		PT62	1-03-006-03				500.0	500.0	150.0	250.0

U 2 Blrs 5-10 Boilers 5-10 MMBtu/hr NG

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	Clvr Brooks1	6330 Environmental & Natural Resources 5.23 MMBtu/hr	Normal - Steady State	E63301		PT26	1-03-006-03				2,500.0	3,000.0	250.0	300.0
OS2	Clvr Brook2	6347 Foran Hall 9.95792 MMBtu/hr	Normal - Steady State	E63473		PT28	1-03-006-03				11,000.0	12,000.0	300.0	500.0
OS3	Clvr Brooks3	6347 Foran Hall 9.95792 MMBtu/hr	Normal - Steady State	E63474		PT28	1-03-006-03				11,000.0	12,000.0	300.0	500.0

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U 3 Blrs <50 (1) Boilers 10-50 MMBtu/hr NG

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	Cleaver 1	8419 Walters Hall Blr 1 NG 10.46 MMBtu/hr	Normal - Steady State	E84191		PT50	1-03-006-02				650.0	1,000.0	300.0	350.0
OS2	Cleaver 2	8419 Walters Hall Blr 2 NG 10.46 MMBtu/hr	Normal - Steady State	E84192		PT50	1-03-006-02							
OS3	Cleaver 3	8419 Walters Hall Blr 3 NG 10.46 MMBtu/hr	Normal - Steady State	E84193		PT50	1-03-006-02							

U 4 Blrs <50 (2) Boilers 10-50 MMBtu/hr NG / FO backup

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	Cleaver 1	6280 Newell Central Heating Plant 1 12 MMBtu/hr (NG)	Normal - Steady State	E62801		PT21	1-03-006-02				1,500.0	2,250.0	350.0	600.0
OS2	Cleaver 2	6280 Newell Central Heating Plant 2 12 MMBtu/hr (NG)	Normal - Steady State	E62802		PT22	1-03-006-02				1,500.0	2,250.0	350.0	600.0
OS3	Cleaver 1	6280 Newell Central Heating Plant 1 12 MMBtu/hr (Fuel Oil)	Normal - Steady State	E62801		PT21	1-03-005-01				1,500.0	2,250.0	350.0	600.0
OS4	Cleaver 2	6280 Newell Central Heating Plant 2 12 MMBtu/hr (Fuel Oil)	Normal - Steady State	E62802		PT22	1-03-005-01				1,500.0	2,250.0	350.0	600.0

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Emission Unit/Batch Process Inventory

U 5 EG-D Emergency Generators - Diesel - No Fed Regs

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	Cummins1	6024 Bartlett Hall 1.12 MMBtu/hr	Standby	E60241		PT7	2-03-001-07	24.0	100.0		484.0	569.0	1,154.0	1,203.0
OS2	Kohler1	6347 C/D Pump House (Foran Hall) 1.41 MMBtu/hr	Standby	E63471		PT27	2-03-001-07	24.0	100.0		763.0	897.0	1,154.0	1,203.0
OS3	Detroit Dies	6347 Foran Hall (Electrical Room) E Gen 2.1 MMBtu/hr	Standby	E63476		PT29	2-03-001-07	24.0	100.0		1,137.0	1,337.0	1,154.0	1,203.0
OS4	Detroit Dies	3168 Public Safety Bldg EG 5.2 MMBtu/hr	Standby	E9002		PT59	2-03-001-07	24.0	100.0		4,000.0	4,080.0	450.0	550.0

U 6 EG-NG Emergency Generators - NG - No Fed Regs

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	Katolight1	6350 Marine Science EG 1.5 MMBtu/hr	Standby	E63505		PT301	2-03-002-07	24.0	100.0		812.0	955.0	1,154.0	1,203.0
OS2	Olympion1	8311 Hickman Hall EG 1.7 MMBtu/hr	Standby	E83111		PT34	2-03-002-07	24.0	100.0		920.0	1,082.0	1,154.0	1,203.0
OS3	Caterpillar1	8333 Neilson Dining Hall EG 2.95 MMBtu/hr	Standby	E83333		PT431	2-03-002-07	24.0	100.0		1,000.0	1,749.0	850.0	997.0
OS4	Katolight1	8394 Willetts Health Center Jameson A-D Em Gen 1.6 MMBtu/hr	Standby	E83942		PT45	2-03-002-07	24.0	100.0		2,500.0	3,000.0	250.0	300.0

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U 6 EG-NG Emergency Generators - NG - No Fed Regs

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS5	Kohler1	6329 Research Greenhouses & Headhouse College Farm Rd EG 1.65 MMBtu/hr	Standby	E63293		PT54	2-03-002-07	12.0	100.0		500.0	1,500.0	600.0	1,074.0
OS6	Kohler1	8313 Douglass Library EG 1.95 MMBtu/hr	Standby	E83131		PT55	2-03-002-07	12.0	100.0		500.0	1,500.0	600.0	1,074.0
OS7	Endocrine	6405 Endocrine Research EG 2.95 MMBtu/hr	Standby	E8000		PT91001	2-03-002-07	12.0	100.0		1,500.0	2,328.0	1,100.0	1,350.0
OS8	Newell EG	6280 Newell Plant EG NG 1.28 MMBtu/hr	Standby	E3		PT71	2-03-002-07		100.0			687.0		1,184.0

U 7 EG-D IIII Emergency Generators - Diesel - NSPS IIII

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	Walters EG D	8419 Walter Hall EG Diesel 2010 1.63 MMBtu/hr. NSPS Sub IIII	Standby	E84194		PT51	2-03-001-07	12.0	100.0		600.0	1,197.0	500.0	950.0
OS2	Cummins1	6246 Food Science EG Diesel 2011 2.73 MMBtu/hr. NSPS Sub IIII	Standby	E62464		PT18	2-03-001-07	12.0	100.0		1,800.0	2,085.0	950.0	1,061.0
OS3	IFNH EG	6432 IFNH EG Diesel 2011 5.6 MMBtu/hr. NSPS Sub IIII	Standby	E62468		PT64	2-03-001-07		100.0			4,662.0		797.0

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U 7 EG-D IIII Emergency Generators - Diesel - NSPS IIII

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS4	6330 EG1	5.92 MMBtu/hr (HHV) Emerg. Gen. (600 kW) Diesel fuel, 100 hrs/yr. NSPS Sub IIII	Normal - Steady State	E8		PT78	2-03-001-07		100.0					

U 8 EG-NG JJJJ Emergency Generators - NG - NSPS JJJJ

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	Kohler1	7599 ASBII EG NG 2015 2.07 MMBtu/hr. NSPS Sub JJJJ	Standby	E75993		PT66	2-03-002-07	12.0	100.0					
OS2	RCAAS EG	8445 RCAAS EG NG 2020 1.05 MMBtu/hr. NSPS Sub JJJJ	Standby	E4		PT72	2-03-002-07		100.0			840.0		1,224.0
OS3	6025 EG1	4.38 MMBtu/hr (HHV) Emerg. Gen. (350 kW) Natural Gas, 100 hrs/yr	Normal - Steady State	E7		PT77	2-03-002-07		100.0			3,315.0		1,021.0

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U 9 UST Underground Storage Tank for Gasoline

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS1	UST1	Gasoline Tank 6000 gal at Blacksmith Shop	Normal - Steady State	E60422		PT11	4-04-004-02	8,760.0	8,760.0		0.0	5.0	50.0	100.0
OS2	StageII vap1	Stage II Vapor Recovery system for gasoline tank 6000 gal at Blacksmith shop	Normal - Steady State	E60421		PT12	4-04-004-01	8,760.0	8,760.0		0.0	5.0	50.0	100.0