State of New Jersey
Department of Environmental Protection
Air, Energy and Materials Sustainability
Division of Air Quality
Bureau of Stationary Sources
401 E. State Street, 2nd Floor, P.O. Box 420, Mail Code 401-02
Trenton, NJ 08625-0420

PHILIP D. MURPHY
Governor

SHEILA Y. OLIVER
Lt. Governor

SHAWN M. LATOURETTE
COMMISSIONER

Air Pollution Control Operating Permit
Renewal

Permit Activity Number: BOP190001 **Program Interest Number: 70871**

Mailing Address	Plant Location
JOHN J FRITSCH DIRECTOR OF FAC. MANAG& PLANT OPS STOCKTON UNIVERSITY 101 VERA KING FARRIS DR - BLDG 70 Galloway, NJ 08205	STOCKTON UNIVERSITY 101 Vera King Farris Dr Galloway Atlantic County

Initial Operating Permit Approval Date: **March 2, 2016**

Operating Permit Approval Date: **DRAFT**

Operating Permit Expiration Date: **TBD**

AUTHORITY AND APPLICABILITY

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

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

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

PERMIT SHIELD

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

COMPLIANCE SCHEDULES

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

COMPLIANCE CERTIFICATIONS AND DEVIATION REPORTS

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

ACCESSING PERMITS

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

HELPLINE

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

RENEWING YOUR OPERATING PERMIT AND APPLICATION SHIELD

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

COMPLIANCE ASSURANCE MONITORING

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

ADMINISTRATIVE HEARING REQUEST

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

If you have any questions regarding this permit approval, please call Warren Smith at (609) 633-1390.

Approved by:

Joel Leon

Enclosure

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

Facility Name: STOCKTON UNIVERSITY
Program Interest Number: 70871
Permit Activity Number: BOP190001

TABLE OF CONTENTS

Section A

Facility Name: STOCKTON UNIVERSITY
Program Interest Number: 70871
Permit Activity Number: BOP190001

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	0.35	32.5	25.4	NA	0.125	0.134	0.134	NA	0.0316	
Batch Process Summary	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Group Summary	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Total Emissions	0.35	32.5	25.4	NA	0.125	0.134	0.134	NA	0.0316	59,422

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	2.00	29.0	23.0	NA	2.50	2.50	2.50	NA	NA
Non-Source Fugitive Emissions	1.00	NA	NA	NA	1.00	1.00	1.00	NA	NA

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

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

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

Section A

Facility Name: STOCKTON UNIVERSITY
Program Interest Number: 70871
Permit Activity Number: BOP190001

POLLUTANT EMISSIONS SUMMARY

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

HAP	TPY
Acrolein	0.00226
Arsenic	0.0000109
Cadmium	0.000292
Dimethylbenz(a)anthracene(7,12-)	0.000000866
Formaldehyde	0.029

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

Other Air Contaminant	TPY
NA	NA

[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: STOCKTON UNIVERSITY
Program Interest Number: 70871
Permit Activity Number: BOP190001

GENERAL PROVISIONS AND AUTHORITIES

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

    b. For situations other than those covered above, an affirmative defense is available for a violation of a provision or condition of the operating permit only if:

        i. The violation occurred as a result of an equipment malfunction, an equipment startup or shutdown, or during the performance of necessary equipment maintenance; and

        ii. The affirmative defense is asserted and established as required by N.J.S.A. 26:2C-19.1 through 19.5 and any implementing rules. [N.J.A.C. 7:27-22.16(l)]

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

20. The operating permit renewal application consists of a RADIUS application and the application attachment available at the Department's website http://www.nj.gov/dep/aqpp/applying.html (Attachment to the RADIUS Operating Permit Renewal Application). Both the RADIUS application and the Application Attachment, along with any other supporting documents must be submitted using the Department's Portal

at: http://njdeponline.com/. The application is considered timely if it is received at least 12 months before the expiration date of the operating permit. To be deemed administratively complete, the renewal application shall include all information required by the application form for the renewal and the information required pursuant to N.J.A.C. 7:27-22.30(d). However, consistent with N.J.A.C. 7:27-22.30(c), the permittee is encouraged to submit the renewal application at least 15 months prior to expiration of the operating permit, so that any deficiencies can be identified and addressed to ensure that the application is administratively complete by the renewal deadline. Only renewal applications which are timely and administratively complete are eligible for an application shield.

21. For all source emissions testing performed at the facility, the phrase "worst case conditions without creating an unsafe condition" used in the enclosed compliance plan is consistent with EPA's National Stack Testing Guidance, dated April 27, 2009, where all source emission testing performed at the facility shall be under the representative (normal) conditions that:

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

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

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

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

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

Section C

Facility Name: STOCKTON UNIVERSITY
Program Interest Number: 70871
Permit Activity Number: BOP190001

STATE-ONLY APPLICABLE REQUIREMENTS

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

STATE-ONLY APPLICABLE REQUIREMENTS

The following applicable requirements are not federally enforceable:

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

Section D

Facility Name: STOCKTON UNIVERSITY
Program Interest Number: 70871
Permit Activity Number: BOP190001

FACILITY SPECIFIC REQUIREMENTS AND INVENTORIES

FACILITY SPECIFIC REQUIREMENTS PAGE INDEX

Subject Item and Name **Page Number**

STOCKTON UNIVERSITY (70871)
BOP190001

Date: 12/1/2022

New Jersey Department of Environmental Protection
Reason for Application

Permit Being Modified

Permit Class: BOP **Number:** 160001

Description of Modifications: This application is for the Title V Operating Permit Five Year Renewal Application for Stockton University, Galloway New Jersey Campus.

1. All general operating permits (for boilers and emergency generators) through BOP220002 were incorporated.

2. HAPS were added to comply with the current NJDEP reporting thresholds.

3. PM-2.5 was added to comply with current NJDEP procedures.

4. SO2 emissions were deleted everywhere (including insignificant sources) because emission rates have become de minimis since the requirement for fuel oil to limit Sulfur to <= 15 ppm.

5. Gasoline Tank E6000 in U6000 was deleted. Several boilers and emergency generators were deleted.

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	Stack testing after permit expiration: If an operating permit has expired, the conditions of the operating permit, including the requirements for stack testing during the expired permit term, remain enforceable until the operating permit is reissued. [N.J.A.C. 7:27-22.30(j)] and [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Subject Item: **IS3 Emergency Generators <1 MMBtu/hr, Fuel Oil Fired**

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)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
3	The emergency generators shall be located at the facility and produce electrical power exclusively for use at the facility. These emergency generators shall be operated only during the performance of normal testing and maintenance procedures, as recommended in writing by the manufacturer and/or as required by a Federal or State statute or regulation, or when the primary source of energy is unavailable as a result of: i. A power disruption that results from construction, repair, or maintenance activity at the facility. Operation of the emergency generator under these conditions is limited to 30 days in any calendar year, not including operation during the performance of normal testing and maintenance procedures, as provided at N.J.A.C. 7:27-19.2(d)1; ii. A power outage or failure of the primary source of mechanical or thermal energy because of an emergency; or iii. 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] and [N.J.A.C. 7:27-19.2(d)1]	None.	Other: The Permittee shall maintain on site and record in a logbook or computer data system, the following information if maximum rated output is 37 kW or greater: 1. Once per month, the total operating time from the generator's hour meter; 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 permittee 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. 7:27-19.11].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
4	These emergency generators shall not be used: 1. For normal testing and maintenance on days when the Department forecasts air quality anywhere in New Jersey to be "unhealthy for sensitive groups," "unhealthy," or "very unhealthy" as defined in the EPA's Air Quality Index at http://airnow.gov/, as supplemented or amended and incorporated herein by reference, unless required in writing by a Federal or State law or regulation. Procedures for determining the air quality forecasts for New Jersey are available at the Department's air quality permitting web site at http://www.state.nj.us/dep/aqpp/aqforecast; and 2. As a source of energy or power after the primary energy or power source has become operable again. If the primary energy or power source is under the control of the owner or operator of the emergency generator, the owner or operator shall make a reasonable, timely effort to repair the primary energy or power source. [N.J.A.C. 7:27-19.2(d)2] and [N.J.A.C. 7:27-19.2(d)3]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Subject Item: **IS8 Fuel Oil Tanks**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	The operating temperature of the tank shall not be greater than 350 degrees F. [N.J.A.C. 7:27-22.1]	None.	None.	None.
2	The vapor pressure of the liquid, excluding the vapor pressure of water, shall be less than 0.02 psia at the liquid's actual temperature or at 70 degrees F, whichever is higher. [N.J.A.C. 7:27-22.1]	None.	None.	None.
3	The tank or vessel shall have no visible emissions, exclusive of water vapor, to the outdoor atmosphere. [N.J.A.C. 7:27-22.1]	None.	None.	None.
4	The tank or vessel shall not emit any air contaminants which may cause an odor detectable outside the property boundaries of the facility. [N.J.A.C. 7:27-22.1]	None.	None.	None.
5	The tank or vessel shall not be subject to any NESHAPS, MACT, or NSPS air pollution control standards. [N.J.A.C. 7:27-22.1]	None.	None.	None.
6	The tank's or vessel's potential to emit each TXS and each HAP shall not exceed the reporting thresholds at N.J.A.C. 7:27-17.9(a). [N.J.A.C. 7:27-22.1]	None.	None.	None.
7	The percentage by weight of all HAPs collectively in the raw material stored in the tank, or mixed or blended in the vessel, shall be less than 1.0 percent. [N.J.A.C. 7:27-22.1]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

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

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1000 Boilers Less Than 5 MMBtu/hr**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	No visible emissions except for a period of not longer than three minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-3.2(a)] &. [N.J.A.C. 7:27- 3.2(c)]	None.	None.	None.
2	Boilers fuel limited to Natural Gas. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	Natural Gas Usage <= 337.7 MMft^3/yr combined, based on 8760 hours/year of operation. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	NOx (Total) <= 16.88 tons/yr based on the natural gas usage limit. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	CO <= 14.18 tons/yr based on the natural gas usage limit. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Cadmium Emissions <= 0.000162 tons/yr based on 8,760 hours per year. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1000 Boilers Less Than 5 MMBtu/hr**

Operating Scenario: **OS1002 Building 42- Boiler #1- 2.71 MMBtu/hr, Natural Gas, OS1003 Building 42- Boiler #2- 2.71 MMBtu/hr, Natural Gas**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	NOx (Total) <= 0.26 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
2	CO <= 0.22 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	Cadmium Emissions <= 0.00000292 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Maximum Gross Heat Input <= 2.71 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1000 Boilers Less Than 5 MMBtu/hr**

Operating Scenario: **OS1004 Building 51- Boiler #1- 2.0 MMBtu/hr, Natural Gas, OS1005 Building 51- Boiler #2- 2.0 MMBtu/hr, Natural Gas, OS1020 Building 53- Boiler #1 - 2 MMBtu/hr (HHV), Boiler Natural Gas Only, OS1021 Building 53- Boiler #2 - 2 MMBtu/hr (HHV), Boiler Natural Gas Only, OS1022 Building 31- Boiler #1- 2 MMBtu/hr (HHV), Boiler Natural Gas Only, OS1023 Building 31- Boiler #2- 2 MMBtu/hr (HHV), Boiler Natural Gas Only, OS1024 Building 31- Boiler #3- 2 MMBtu/hr (HHV), Boiler Natural Gas Only**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	NOx (Total) <= 0.19 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
2	CO <= 0.16 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	Cadmium Emissions <= 0.00000216 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Maximum Gross Heat Input <= 2 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1000 Boilers Less Than 5 MMBtu/hr**
Operating Scenario: **OS1006 Building 31- Roof Top Unit #1- 1.88 MMBtu/hr, Natural Gas**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	NOx (Total) <= 0.18 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
2	CO <= 0.15 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	Cadmium Emissions <= 0.00000203 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Maximum Gross Heat Input <= 1.88 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1000 Boilers Less Than 5 MMBtu/hr**

Operating Scenario: **OS1007 Building 30- Boiler #1- 1.67 MMBtu/hr, Natural Gas, OS1008 Building 30- Boiler #2- 1.67 MMBtu/hr, Natural Gas**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	NOx (Total) <= 0.16 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
2	CO <= 0.14 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	Cadmium Emissions <= 0.0000018 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Maximum Gross Heat Input <= 1.67 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1000 Boilers Less Than 5 MMBtu/hr**

Operating Scenario: **OS1009 Building 39- Boiler #1- 1.54 MMBtu/hr, Natural Gas, OS1010 Building 39- Boiler #2- 1.54 MMBtu/hr, Natural Gas**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	NOx (Total) <= 0.15 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
2	CO <= 0.13 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	Cadmium Emissions <= 0.00000166 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Maximum Gross Heat Input <= 1.54 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1000 Boilers Less Than 5 MMBtu/hr**
Operating Scenario: **OS1012 Building 31- Roof Top Unit #2- 1.25 MMBtu/hr, Natural Gas**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	NOx (Total) <= 0.12 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
2	CO <= 0.1 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	Cadmium Emissions <= 0.00000135 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Maximum Gross Heat Input <= 1.25 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1000 Boilers Less Than 5 MMBtu/hr**
Operating Scenario: **OS1013 Building 75- Boiler #1- 1.22 MMBtu/hr, Natural Gas**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	NOx (Total) <= 0.12 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
2	CO <= 0.1 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	Cadmium Emissions <= 0.00000132 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Maximum Gross Heat Input <= 1.22 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1000 Boilers Less Than 5 MMBtu/hr**
Operating Scenario: **OS1014 Building 32- Roof Top Unit #1- 1.13 MMBtu/hr, Natural Gas**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	NOx (Total) <= 0.11 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
2	CO <= 0.09 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	Cadmium Emissions <= 0.00000122 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Maximum Gross Heat Input <= 1.13 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1000 Boilers Less Than 5 MMBtu/hr**

Operating Scenario: **OS1015 Building 50- Boiler #1- 1.0 MMBtu/hr, Natural Gas, OS1016 Building 50- Boiler #2- 1.0 MMBtu/hr, Natural Gas, OS1017 Building 121- Boiler #1- 1.0 MMBtu/hr, Natural Gas, OS1018 Building 123- Boiler #1- 1.0 MMBtu/hr, Natural Gas, OS1019 Building 125- Boiler #1- 1.0 MMBtu/hr, Natural Gas**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	NOx (Total) <= 0.1 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
2	CO <= 0.082 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	Maximum Gross Heat Input <= 1 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1000 Boilers Less Than 5 MMBtu/hr**

Operating Scenario: **OS1025 Building 33- Boiler #1- 1.5 MMBtu/hr (HHV), Boiler Natural Gas Only, OS1026 Building 33- Boiler #2- 1.5 MMBtu/hr (HHV), Boiler Natural Gas Only**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	NOx (Total) <= 0.147 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
2	CO <= 0.124 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	Cadmium Emissions <= 0.00000162 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Maximum Gross Heat Input <= 1.5 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U2000 Boilers Greater Than or Equal to 5 MMBtu/hr**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	No visible emissions except for a period of not longer than three minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-3.2(a)] &. [N.J.A.C. 7:27- 3.2(c)]	None.	None.	None.
2	The Permittee shall annually adjust combustion process in the same quarter of each calendar year as specified at N.J.A.C. 7:27-19.16. The permittee shall: 1. Inspect the burner, and clean or replace any components of the burner as necessary; 2. Inspect the flame pattern and make any adjustments to the burner necessary to optimize the flame pattern consistent with the manufacturer's specifications; 3. Inspect the system controlling the air-to-fuel ratio, and ensure that it is correctly calibrated and functioning properly; and 4. Minimize total emissions of NOx and CO consistent with the manufacturer's specifications. [N.J.A.C. 7:27-19.16(a)]	Monitored by periodic emission monitoring annually 1. Measure the concentrations in the effluent stream of NOx, CO and O2 in ppmvd, before and after the adjustment is made; and 2. Convert the emission values of the NOx, CO and O2 concentrations to pounds per million BTU (lb/MM BTU) according to the following formula: lb/MM BTU = ppmvd x MW x F dry factor x 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/MM BTU and Residual or fuel oil = 9,190 dscf/MM BTU O2 correction factor: (20.9%) / (20.9% - O2 measured) 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 annually. Records shall contain the following information for each adjustment: 1. The date of the adjustment and the times at which it began and ended; 2. The name, title and affiliation of the person who 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 tests performed after taking any corrective action, including concentrations and converted emission values in pounds per million BTU (lb/MM BTU); and 7. The type and amount of fuel used over the 12 months prior to the annual adjustment. [N.J.A.C. 7:27-19.16(b)]	Submit a report: Annually within 45 days of the adjustment. Reports shall be submitted electronically in the format the department specifies at its website. The report shall contain the following: 1. The concentrations of NOx and CO in the effluent stream in ppmvd, and O2 in percent dry basis, measured before and after the adjustment of the combustion process; 2. The converted emission values in lb/MM BTU for the measurements taken before and after the adjustment of the combustion process; 3. A description of any corrective actions taken as a part of the combustion adjustment; and 4. The type and amount of fuel used over the 12 months prior to the annual adjustment.. [N.J.A.C. 7:27-19.16(c)]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
3	The Permittee shall ensure that the operating parameter settings are established and recorded after the combustion process is adjusted and that the adjusted equipment or source operation is maintained to operate consistent with the annual adjustment. [N.J.A.C. 7:27-19.16(e)]	Other: Monitor and maintain the operating parameter settings that are established after the combustion process is adjusted in order to operate consistent with the annual adjustment.[N.J.A.C. 7:27-22.16(o)].	Other: The owner or operator shall record the operating parameter settings that are established after the combustion process is adjusted.[N.J.A.C. 7:27-19.16(e)].	None.
4	Boilers fuel limited to Natural Gas. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	Natural Gas Usage <= 237 MMft^3/yr combined. [N.J.A.C. 7:27-22.16(a)]	Natural Gas Usage: Monitored by gas use totalizing meter continuously. [N.J.A.C. 7:27-22.16(o)]	Natural Gas Usage: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The permittee shall maintain records of natural gas usage during each calendar month and each consecutive 12-month period. [N.J.A.C. 7:27-22.16(o)]	None.
6	NOx (Total) <= 11.8 tons/yr based on the natural gas usage limit. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	CO <= 9.88 tons/yr based on the natural gas usage limit. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Arsenic Emissions <= 0.0000109 tons/yr based on 8,760 hours per year. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Cadmium Emissions <= 0.00013 tons/yr based on 8,760 hours per year. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
10	Dimethylbenz(a)anthracene (7,12-) <= 8.65E-7 tons/yr based on 8,760 hours per year. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
11	Formaldehyde <= 0.00406 tons/yr based on 8,760 hours per year. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
12	HAPs (Total) <= 0.0042 tons/yr based on 8,760 hours per year. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U2000 Boilers Greater Than or Equal to 5 MMBtu/hr**

Operating Scenario: **OS2000 Building 32- Boiler #1- 6.3 MMBtu/hr, Natural Gas, OS2001 Building 32- Boiler #2- 6.3 MMBtu/hr, Natural Gas**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	NOx (Total) <= 0.61 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
2	CO <= 0.51 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	Arsenic Emissions <= 0.00000124 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Cadmium Emissions <= 0.00000679 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	Dimethylbenz(a)anthracene (7,12-) <= 0.0000000988 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Formaldehyde <= 0.000463 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	Maximum Gross Heat Input <= 6.3 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U2000 Boilers Greater Than or Equal to 5 MMBtu/hr**

Operating Scenario: **OS2002 Building 52- Boiler #1 - 5 MMBtu/hr (HHV), Boiler Natural Gas Only, OS2003 Building 52- Boiler #2 - 5 MMBtu/hr (HHV), Boiler Natural Gas Only, OS2004 Building 52- Boiler #3 - 5 MMBtu/hr (HHV), Boiler Natural Gas Only**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	NOx (Total) <= 0.49 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
2	CO <= 0.412 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	Cadmium Emissions <= 0.00000539 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Maximum Gross Heat Input <= 5 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U3000 Emergency Generators (including fire pumps) - Non-NSPS**
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). [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	The emergency generators shall be located at the facility and produce electrical power exclusively for use at the facility. These emergency generators shall be operated only during the performance of normal testing and maintenance procedures, as recommended in writing by the manufacturer and/or as required by a Federal or State statute or regulation, or when the primary source of energy is unavailable as a result of: i. A power disruption that results from construction, repair, or maintenance activity at the facility. Operation of the emergency generators under these conditions is limited to 30 days in any calendar year, not including operation during the performance of normal testing and maintenance procedures, as provided at N.J.A.C. 7:27-19.2(d)1; ii. A power outage or failure of the primary source of mechanical or thermal energy because of an emergency; or iii. 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] and [N.J.A.C. 7:27-19.2(d)1]	None.	Other: The Permittee shall maintain on site and record in a logbook or computer data system, the following information if maximum rated output is 37 kW or greater: 1. For each time the emergency generator is specifically operated for testing or maintenance: i. The reason for its operation; ii. The date(s) of operation and the start up and shut down time; iii. The total operating time for testing or maintenance based on the generator's hour meter; and iv. The name of the operator; and 2. If a voltage reduction is the reason for the use of the emergency generator, a copy of the voltage reduction notification from PJM or other documentation of the voltage reduction. [N.J.A.C. 7:27-19.11].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
4	Each fire pump shall be located at the facility and produce mechanical power exclusively for use at the facility. The fire pumps shall be operated only: 1. During the performance of normal testing and maintenance procedures, including other fire protection equipment, as recommended in writing by the fire pump or fire protection system manufacturer and/or as required in writing by a Federal or State law or regulation, 2. For fire suppression or protection, or in case of flood. [N.J.A.C. 7:27-19.1], [N.J.A.C. 7:27-19.2(d)1] and [N.J.A.C. 7:27-22.16(a)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system at the approved frequency. The permittee shall maintain on site and record the following information: For each time the fire pump 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; The permittee 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. 7:27-19.11]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
5	These emergency generators and fire pumps 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)2] and [N.J.A.C. 7:27-19.2(d)3]	None.	None.	None.
6	VOC (Total) <= 0.13 tons/yr based on maximum allowable hours of operation for emergency generators and fire pumps. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	NOx (Total) <= 1.86 tons/yr based on maximum allowable hours of operation for emergency generators and fire pumps. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	CO <= 0.353 tons/yr based on maximum allowable hours of operation for emergency generators and fire pumps. [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	TSP <= 0.1065 tons/yr based on maximum allowable hours of operation for emergency generators and fire pumps. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
10	PM-10 (Total) <= 0.1065 tons/yr based on maximum allowable hours of operation for emergency generators and fire pumps. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
11	PM-2.5 (Total) <= 0.1065 tons/yr based on maximum allowable hours of operation for emergency generators and fire pumps. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
12	Formaldehyde <= 0.00177 tons/yr based on maximum allowable hours of operation for emergency generators and fire pumps. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U3000 Emergency Generators (including fire pumps) - Non-NSPS**
Operating Scenario: **OS3000 Bldg 30 Emergency Generator- 2.86 MMBtu/hr, Fuel Oil**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Fuel use is limited to #2 fuel oil. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
2	VOC (Total) <= 1 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	NOx (Total) <= 12.6 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	CO <= 2.71 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	TSP <= 0.89 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	PM-10 (Total) <= 0.89 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	PM-2.5 (Total) <= 0.89 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Hours of Operation <= 100 hr/yr for testing and maintenance procedures. [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 each month during operation. [N.J.A.C. 7:27-19.11(a)1]	None.
9	Maximum Gross Heat Input <= 2.86 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U3000 Emergency Generators (including fire pumps) - Non-NSPS**
Operating Scenario: **OS3001 Bldg 35/Hsg 2&3/Lift 2 Emergency Generator- 2.57 MMBtu/hr, Fuel Oil**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Fuel use is limited to #2 fuel oil. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
2	VOC (Total) <= 0.9 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	NOx (Total) <= 11.34 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	CO <= 2.44 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	TSP <= 0.8 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	PM-10 (Total) <= 0.8 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	PM-2.5 (Total) <= 0.8 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Hours of Operation <= 100 hr/yr for testing and maintenance procedures. [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 each month during operation. [N.J.A.C. 7:27-19.11(a)1]	None.
9	Maximum Gross Heat Input <= 2.57 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U3000 Emergency Generators (including fire pumps) - Non-NSPS**

Operating Scenario: **OS3002 Bldg 31 Emergency Generator- 1.72 MMBtu/hr, Nat. Gas . 4S-RB**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Fuel use is limited to Natural Gas. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
2	VOC (Total) <= 0.2 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	NOx (Total) <= 7.04 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	CO <= 0.55 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	TSP < 0.05 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Formaldehyde <= 0.0353 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	Hours of Operation <= 100 hr/yr for testing and maintenance procedures. [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 each month during operation. [N.J.A.C. 7:27-19.11(a)1]	None.
8	Maximum Gross Heat Input <= 1.72 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U3000 Emergency Generators (including fire pumps) - Non-NSPS**
Operating Scenario: **OS3003 Bldg 71 Emergency Generator- 1.43 MMBtu/hr, Fuel Oil**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Fuel use is limited to #2 fuel oil. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
2	VOC (Total) <= 0.5 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	NOx (Total) <= 6.3 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	CO <= 1.36 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	TSP <= 0.44 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	PM-10 (Total) <= 0.44 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	PM-2.5 (Total) <= 0.44 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Hours of Operation <= 100 hr/yr for testing and maintenance procedures. [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 each month during operation. [N.J.A.C. 7:27-19.11(a)1]	None.
9	Maximum Gross Heat Input <= 1.43 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U4000 Emergency Generators - NSPS Subpart IIII**
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). [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	The emergency generators shall be located at the facility and produce electrical power exclusively for use at the facility. These emergency generators shall be operated only during the performance of normal testing and maintenance procedures, as recommended in writing by the manufacturer and/or as required by a Federal or State statute or regulation, or when the primary source of energy is unavailable as a result of: i. A power disruption that results from construction, repair, or maintenance activity at the facility. Operation of the emergency generators under these conditions is limited to 30 days in any calendar year, not including operation during the performance of normal testing and maintenance procedures, as provided at N.J.A.C. 7:27-19.2(d)1; ii. A power outage or failure of the primary source of mechanical or thermal energy because of an emergency; or iii. 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] and [N.J.A.C. 7:27-19.2(d)1]	None.	Other: The Permittee shall maintain on site and record in a logbook or computer data system, the following information if maximum rated output is 37 kW or greater: 1. For each time the emergency generator is specifically operated for testing or maintenance: i. The reason for its operation; ii. The date(s) of operation and the start up and shut down time; iii. The total operating time for testing or maintenance based on the generator's hour meter; and iv. The name of the operator; and 2. If a voltage reduction is the reason for the use of the emergency generator, a copy of the voltage reduction notification from PJM or other documentation of the voltage reduction. [N.J.A.C. 7:27-19.11].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
4	These emergency generators shall not be used: 1. For normal testing and maintenance on days when the Department forecasts air quality anywhere in New Jersey to be "unhealthy for sensitive groups," "unhealthy," or "very unhealthy" as defined in the EPA's Air Quality Index at http://airnow.gov/, as supplemented or amended and incorporated herein by reference, unless required in writing by a Federal or State law or regulation. Procedures for determining the air quality forecasts for New Jersey are available at the Department's air quality permitting web site at http://www.state.nj.us/dep/aqpp/aqforecast; and 2. As a source of energy or power after the primary energy or power source has become operable again. If the primary energy or power source is under the control of the owner or operator of the emergency generator, the owner or operator shall make a reasonable, timely effort to repair the primary energy or power source. [N.J.A.C. 7:27-19.2(d)2 and [N.J.A.C. 7:27-19.2(d)3]	None.	None.	None.
5	VOC (Total) <= 0.09 tons/yr based on maximum allowable hours of operation for emergency generators. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	NOx (Total) <= 1.595 tons/yr based on maximum allowable hours of operation for emergency generators. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	CO <= 0.36 tons/yr based on maximum allowable hours of operation for emergency generators. [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	TSP <= 0.0155 tons/yr based on maximum allowable hours of operation for emergency generators. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	PM-10 (Total) <= 0.0155 tons/yr based on maximum allowable hours of operation for emergency generators. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
10	PM-2.5 (Total) <= 0.0155 tons/yr based on maximum allowable hours of operation for emergency generators. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
11	NMHC + NOx <= 6.4 g/kW-hr, CO <= 3.5 g/kW-hr, PM <= 0.2 g/kW-hr. [40 CFR 60.4205(b)]	None.	Other: The owner or operator must keep manufacturer certification showing compliance with the applicable emission standards.[40 CFR 60.4211].	None.
12	The permittee 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. [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.
13	The permittee must use diesel fuel 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. [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.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
14	The permittee shall comply with the applicable General Provisions in 40CFR60 Subpart A as listed in Table 8 of 40 CFR Subpart IIII. [40 CFR 60.4218]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U4000 Emergency Generators - NSPS Subpart IIII**
Operating Scenario: **OS4000 Bldg 50 Emergency Generator- 4.17 MMBtu/hr, Fuel Oil**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Fuel use is limited to #2 fuel oil. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
2	VOC (Total) <= 0.24 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	NOx (Total) <= 7.99 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	CO <= 4.33 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	TSP <= 0.25 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	PM-10 (Total) <= 0.25 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	PM-2.5 (Total) <= 0.25 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Hours of Operation <= 100 hr/yr for testing and maintenance. [40 CFR 60.4211(f)(2)(i)]	Hours of Operation: 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)]	Hours of Operation: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The owner or operator must record the time of operation of the emergency engine and the reason the engine was in operation during that time [40 CFR 60.4214(b)] and. [N.J.A.C. 7:27-19.11(a)1]	None.
9	Maximum Gross Heat Input <= 4.17 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U4000 Emergency Generators - NSPS Subpart IIII**
Operating Scenario: **OS4001 Bldg 51 Emergency Generator- 5.54 MMBtu/hr, Fuel Oil**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Fuel use is limited to #2 fuel oil. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
2	VOC (Total) <= 0.32 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	NOx (Total) <= 10.6 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	CO <= 0.59 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	TSP <= 0.06 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	PM-10 (Total) <= 0.06 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	PM-2.5 (Total) <= 0.06 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Hours of Operation <= 100 hr/yr for testing and maintenance. [40 CFR 60.4211(f)(2)(i)]	Hours of Operation: 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)]	Hours of Operation: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The owner or operator must record the time of operation of the emergency engine and the reason the engine was in operation during that time [40 CFR 60.4214(b)] and. [N.J.A.C. 7:27-19.11(a)1]	None.
9	Maximum Gross Heat Input <= 5.54 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U4000 Emergency Generators - NSPS Subpart IIII**

Operating Scenario: **OS4003 Portable 1.04 MMBtu/hr (HHV) Emerg. Gen. (107 kW) Diesel fuel, 100 Hrs/yr**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Fuel use is limited to #2 fuel oil. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
2	NOx (Total) <= 0.55 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	CO <= 0.96 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Hours of Operation <= 100 hr/yr for testing and maintenance. [40 CFR 60.4211(f)(2)(i)]	Hours of Operation: 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)]	Hours of Operation: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The owner or operator must record the time of operation of the emergency engine and the reason the engine was in operation during that time [40 CFR 60.4214(b)] and. [N.J.A.C. 7:27-19.11(a)1]	None.
5	Maximum Gross Heat Input <= 1.04 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U4000 Emergency Generators - NSPS Subpart IIII**
Operating Scenario: **OS4004 Bldg 52 - 8.1 MMBtu/hr (HHV) Emerg. Gen. (750 kW) Diesel fuel, 100 Hrs/yr**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Fuel use is limited to #2 fuel oil. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
2	VOC (Total) <= 1.24 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	NOx (Total) <= 12.3 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	CO <= 1.19 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	Hours of Operation <= 100 hr/yr for testing and maintenance. [40 CFR 60.4211(f)(2)(i)]	Hours of Operation: 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)]	Hours of Operation: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The owner or operator must record the time of operation of the emergency engine and the reason the engine was in operation during that time [40 CFR 60.4214(b)] and. [N.J.A.C. 7:27-19.11(a)1]	None.
6	Maximum Gross Heat Input <= 8.1 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U4000 Emergency Generators - NSPS Subpart IIII**

Operating Scenario: **OS4005 Bldg 42 - 5.59 MMBtu/hr (HHV) Emerg. Gen. (615 kW) Diesel fuel, 100 Hrs/yr**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Fuel use is limited to #2 fuel oil. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
2	NOx (Total) <= 0.461 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	CO <= 0.129 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Hours of Operation <= 100 hr/yr for testing and maintenance. [40 CFR 60.4211(f)(2)(i)]	Hours of Operation: 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)]	Hours of Operation: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The owner or operator must record the time of operation of the emergency engine and the reason the engine was in operation during that time [40 CFR 60.4214(b)] and. [N.J.A.C. 7:27-19.11(a)1]	None.
5	Maximum Gross Heat Input <= 5.59 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U5000 Emergency Generators - NSPS Subpart JJJJ**
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	The emergency generators shall be located at the facility and produce electrical power exclusively for use at the facility. These emergency generators shall be operated only during the performance of normal testing and maintenance procedures, as recommended in writing by the manufacturer and/or as required by a Federal or State statute or regulation, or when the primary source of energy is unavailable as a result of: i. A power disruption that results from construction, repair, or maintenance activity at the facility. Operation of the emergency generators under these conditions is limited to 30 days in any calendar year, not including operation during the performance of normal testing and maintenance procedures, as provided at N.J.A.C. 7:27-19.2(d)1; ii. A power outage or failure of the primary source of mechanical or thermal energy because of an emergency; or iii. 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] and [N.J.A.C. 7:27-19.2(d)1]	None.	Other: The Permittee shall maintain on site and record in a logbook or computer data system, the following information if maximum rated output is 37 kW or greater: 1. For each time the emergency generator is specifically operated for testing or maintenance: i. The reason for its operation; ii. The date(s) of operation and the start up and shut down time; iii. The total operating time for testing or maintenance based on the generator's hour meter; and iv. The name of the operator; and 2. If a voltage reduction is the reason for the use of the emergency generator, a copy of the voltage reduction notification from PJM or other documentation of the voltage reduction. [N.J.A.C. 7:27-19.11].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
3	These emergency generators shall not be used: 1. For normal testing and maintenance on days when the Department forecasts air quality anywhere in New Jersey to be "unhealthy for sensitive groups," "unhealthy," or "very unhealthy" as defined in the EPA's Air Quality Index at http://airnow.gov/, as supplemented or amended and incorporated herein by reference, unless required in writing by a Federal or State law or regulation. Procedures for determining the air quality forecasts for New Jersey are available at the Department's air quality permitting web site at http://www.state.nj.us/dep/aqpp/aqforecast; and 2. As a source of energy or power after the primary energy or power source has become operable again. If the primary energy or power source is under the control of the owner or operator of the emergency generator, the owner or operator shall make a reasonable, timely effort to repair the primary energy or power source. [N.J.A.C. 7:27-19.2(d)2] and [N.J.A.C. 7:27-19.2(d)3]	None.	None.	None.
4	VOC (Total) <= 0.13 tons/yr based on maximum allowable hours of operation for emergency generators. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	NOx (Total) <= 0.27 tons/yr based on maximum allowable hours of operation for emergency generators. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	CO <= 0.54 tons/yr based on maximum allowable hours of operation for emergency generators. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	TSP <= 0.00295 tons/yr based on maximum allowable hours of operation for emergency generators. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	PM-10 (Total) <= 0.0124 tons/yr based on maximum allowable hours of operation for emergency generators. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	PM-2.5 (Total) <= 0.0124 tons/yr based on maximum allowable hours of operation for emergency generators. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
10	Acrolein <= 0.00226 tons/yr based on maximum allowable hours of operation for emergency generators. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
11	Formaldehyde <= 0.0232 tons/yr based on maximum allowable hours of operation for emergency generators. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
12	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. [40 CFR 60.4234]	None.	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.
13	The permittee shall keep the following records: 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. [40 CFR 60.4245(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
14	The permittee 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 notifications 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. [40 CFR 60.4245(a)]	None.	None.	None.
15	The permittee shall comply with the applicable General Provisions in 40 CFR 60 Subpart A as listed in Table 3 in 40 CFR 60 Subpart JJJJ. [40 CFR 60.4246]	None.	None.	None.
16	NOx (Total) <= 2 grams/brake horsepower-hour or <= 160 ppmvd at 15% O2. [40 CFR 60.4233(e)]	None.	Other: The permittee must keep documentation demonstrating compliance with the applicable emission standards.[40 CFR 60.4245(a)(4)].	None.
17	CO <= 4 grams/brake horsepower-hour or <= 540 ppmvd@ 15% O2. [40 CFR 60.4233(e)]	None.	Other: The permittee must keep documentation demonstrating compliance with the applicable emission standards.[40 CFR 60.4245(a)(4)].	None.
18	VOC (Total) <= 1 grams/brake horsepower-hour or <= 86 ppmvd@15% O2. [40 CFR 60.4233(e)]	None.	Other: The permittee 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

Emission Unit: **U5000 Emergency Generators - NSPS Subpart JJJJ**
Operating Scenario: **OS5000 Bldg 32 Emergency Generator- 2.3 MMBtu/hr, Nat. Gas, 4S-LB**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	TSP <= 1.38 lb/hr. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Fuel use is limited to natural gas. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	VOC (Total) <= 0.6 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	NOx (Total) <= 1.21 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	CO <= 2.42 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	TSP < 0.05 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	Acrolein <= 0.0118 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Formaldehyde <= 0.121 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Hours of Operation <= 100 hr/yr. [40 CFR 60.4243(d)]	Hours of Operation: Monitored by hour/time monitor continuously. [40 CFR 60.4245(b)]	Other: The permittee 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.
10	Maximum Gross Heat Input <= 2.3 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U5000 Emergency Generators - NSPS Subpart JJJJ**
Operating Scenario: **OS5001 WTP - 6.47 MMBTU/hr (HHV) Emerg. Gen. (625 kW) Natural Gas, 100 hrs/yr, 4S-LB**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Fuel use is limited to natural gas. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
2	VOC (Total) <= 2.07 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	NOx (Total) <= 4.15 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	CO <= 8.3 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	TSP <= 0.0589 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	PM-10 (Total) <= 0.248 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	PM-2.5 (Total) <= 0.248 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Acrolein <= 0.0333 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Formaldehyde <= 0.342 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
10	Hours of Operation <= 100 hr/yr. [40 CFR 60.4243(d)]	Hours of Operation: Monitored by hour/time monitor continuously. [40 CFR 60.4245(b)]	Other: The permittee 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.
11	Maximum Gross Heat Input <= 6.47 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

STOCKTON UNIVERSITY (70871)
BOP190001

New Jersey Department of Environmental Protection
Facility Profile (General)

Facility Name (AIMS): Stockton University

Facility ID (AIMS): 70871

Street Address: 101 VERA KING FARRIS DR
GALLOWAY, NJ 08205-9441

Mailing Address: 101 VERA KING FARRIS DR
GALLOWAY, NJ 08205-9441

State Plane Coordinates:

X-Coordinate:	484,236
Y-Coordinate:	243,000
Units:	New Jersey State Plane 8
Datum:	NAD83
Source Org.:	DEP-GIS
Source Type:	GPS

County: Atlantic

Location Description: Travel south on the Garden State Parkway to Exit 44. Take Exit 44. At the stop sign at the end of the ramp, turn right onto S. Pomona Road (County Road 575). Travel ½ mile. At the entrance sign for Stockton College, turn left onto Vera King Farris Dr

Industry:

Primary SIC:	8221
Secondary SIC:	
NAICS:	611310

New Jersey Department of Environmental Protection
Facility Profile (General)

Contact Type: Air Permit Information Contact

Organization: Stockton University
Org. Type: State
Name: Chris Corea
NJ EIN: 00222832788
Title: Manager Environmental, Health and Safety
Phone: (609) 652-4496 x
Fax: (609) 626-5522 x
Other: ( ) - x
Type:
Email: chris.corea@stockton.edu
Mailing Address: 101 Vera King Farris Drive
Galloway, NJ 08205-9441

Contact Type: Fees/Billing Contact

Organization: Stockton University
Org. Type: State
Name: Chris Corea
NJ EIN: 00222832788
Title: Manager Environmental, Health and Safety
Phone: (609) 652-4496 x
Fax: (609) 626-5522 x
Other: ( ) - x
Type:
Email: chris.corea@stockton.edu
Mailing Address: 101 Vera King Farris Drive
Galloway, NJ 08205-9441

Contact Type: Responsible Official

Organization: Stockton University
Org. Type: State
Name: John J. Fritsch
NJ EIN: 00222832788
Title: Director of Fac. Manag.& Plant Ops
Phone: (609) 652-6052 x
Fax: (609) 626-5522 x
Other: ( ) - x
Type:
Email: John.Fritsch@stockton.edu
Mailing Address: 101 Vera King Farris Drive
Galloway, NJ 08205-9441

STOCKTON UNIVERSITY (70871)
BOP190001

Date: 12/01/2022

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	Equipment Leaks	Facility-Wide									
Total			1.000				1.000	1.000			

STOCKTON UNIVERSITY (70871)
BOP190001

Date: 12/1/2022

New Jersey Department of Environmental Protection
Insignificant Source Emissions

IS NJID	Source/Group Description	Equipment Type	Location Description	Estimate of Emissions (tpy)								
				VOC (Total)	NOx	CO	SO	TSP	PM-10	Pb	HAPS (Total)	Other (Total)
IS1	Boilers/Heaters Combustion Sources <1 MMBtu/hr	Boiler	Facility-Wide									
IS2	Emergency Generators <1 MMBtu/hr, Nat. Gas Fired	Emergency Generator	Facility-Wide									
IS3	Emergency Generators <1 MMBtu/hr, Fuel Oil Fired	Emergency Generator	Facility-Wide									
IS5	Storage Tanks <2000 gallon capacity	Storage Vessel	Facility-Wide									
IS7	Paint Shops < 0.5 gal/hr coating usage	Surface Coating Equipment (Non-Fabric Material)	Facility-Wide									
IS8	Fuel Oil Tanks	Storage Vessel	Facility-Wide									
IS9	Shop Equipment (< 50 lb/hr raw material usage)	Other Equipment	Facility-Wide									
IS10	Fume Hoods (< 50 lb/hr raw material usage)	Other Equipment	Facility-Wide									
IS11	Cooling Towers (< 50 lb/hr raw material usage)	Other Equipment	Facility-Wide									
Total				2.000	29.000	23.000		2.500	2.500			

STOCKTON UNIVERSITY (70871) Date: 12/1/2022

BOP190001

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
E1002	B42-Blr#1	Building 42- Boiler #1- 2.71 MMBtu/hr, Natural Gas	Boiler			No		
E1003	B42-Blr#2	Building 42- Boiler #2- 2.71 MMBtu/hr, Natural Gas	Boiler			No		
E1004	B51-Blr#1	Building 51- Boiler #1- 2.0 MMBtu/hr, Natural Gas	Boiler			No		
E1005	B51-Blr#2	Building 51- Boiler #2- 2.0 MMBtu/hr, Natural Gas	Boiler			No		
E1006	B31-RTU#1	Building 31- Roof Top Unit #1- 1.88 MMBtu/hr, Natural Gas	Boiler			No		
E1007	B30-Blr#1	Building 30- Boiler #1- 1.67 MMBtu/hr, Natural Gas	Boiler			No		
E1008	B30-Blr#2	Building 30- Boiler #2 - 1.67 MMBtu/hr, Natural Gas	Boiler			No		
E1009	B39-Blr#1	Building 39- Boiler #1- 1.54 MMBtu/hr, Natural Gas	Boiler			No		
E1010	B39-Blr#2	Building 39- Boiler #2- 1.54 MMBtu/hr, Natural Gas	Boiler			No		
E1012	B31-RTU#2	Building 31- Roof Top Unit #2- 1.25 MMBtu/hr, Natural Gas	Boiler			No		
E1013	B75-Blr#1	Building 75- Boiler #1- 1.22 MMBtu/hr, Natural Gas	Boiler			No		
E1014	B32-RTU#1	Building 32- Roof Top Unit #1- 1.13 MMBtu/hr, Natural Gas	Boiler			No		

STOCKTON UNIVERSITY (70871) Date: 12/1/2022
BOP190001

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
E1015	B50-Blr#1	Building 50- Boiler #1- 1.0 MMBtu/hr, Natural Gas	Boiler			No		
E1016	B50-Blr#2	Building 50- Boiler #2- 1.0 MMBtu/hr, Natural Gas	Boiler			No		
E1017	B121-Blr#1	Building 121- Boiler #1- 1.0 MMBtu/hr, Natural Gas	Boiler			No		
E1018	B123-Blr#1	Building 123- Boiler #1- 1.0 MMBtu/hr, Natural Gas	Boiler			No		
E1019	B125-Blr#1	Building 125- Boiler #1- 1.0 MMBtu/hr, Natural Gas	Boiler			No		
E1020	B33-Blr#1	Building 33 - Boiler #1- 1.5 MMBtu/hr, Natural Gas	Boiler	BOP220001	4/30/2022	No		
E1021	B33-Blr#2	Building 33 - Boiler #2- 1.5 MMBtu/hr, Natural Gas	Boiler	BOP220002	4/30/2022	No		
E2000	B32-Blr#1	Building 32- Boiler #1- 6.3 MMBtu/hr, Natural Gas	Boiler			No		
E2001	B32-Blr#2	Building 32- Boiler #2- 6.3 MMBtu/hr, Natural Gas	Boiler			No		
E3000	B30- EG	Bldg 30 Emergency Generator- 2.86 MMBtu/hr, Fuel Oil	Emergency Generator			No		
E3001	B35- EG	Bldg 35/Hsg 2&3/Lift 2 Emergency Generator- 2.57 MMBtu/hr, Fuel Oil	Emergency Generator			No		
E3002	B31- EG	Bldg 31 Emergency Generator- 1.72 MMBtu/hr, Nat. Gas	Emergency Generator			No		

STOCKTON UNIVERSITY (70871) Date: 12/1/2022
BOP190001

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
E3003	B71- EG	Bldg 71 Emergency Generator-1.43 MMBtu/hr, Fuel Oil	Emergency Generator			No		
E4000	B50- EG	Bldg 50 Emergency Generator-4.17 MMBtu/hr, Fuel Oil	Emergency Generator			No		
E4001	B51- EG	Bldg 51 Emergency Generator-5.54 MMBtu/hr, Fuel Oil	Emergency Generator			No		
E5000	B32- EG	Bldg 32 Emergency Generator-2.3 MMBtu/hr, Nat. Gas	Emergency Generator			No		
E7001	Port-Generac	1.04 MMBTU/hr (HHV) Emerg. Gen. (107 kW)	Emergency Generator	BOP170009	10/15/2017	No		
E7002	B52 - EG	Bldg 52 - 8.1 MMBTU/hr (HHV) Emerg. Gen. (750 kW)	Emergency Generator	BOP170011	10/15/2017	No		
E8000	B52-Blr#1	Bldg 52, Boiler 1 - 5 MMBTU/hr (HHV) Boiler	Boiler	BOP170008	10/15/2017	No		
E8001	B52-Blr#2	Bldg 52, Boiler 2 - 5 MMBTU/hr (HHV) Boiler	Boiler	BOP170002	10/15/2017	No		
E8002	B52-Blr#3	Bldg 52, Boiler 3 - 5 MMBTU/hr (HHV) Boiler	Boiler	BOP170010	10/15/2017	No		
E8003	B53-Blr#1	Bldg 53- Boiler 1 - 2 MMBTU/hr (HHV) Boiler	Boiler	BOP170003	10/15/2017	No		
E8004	B53-Blr#2	Bldg 53- Boiler 2 - 2 MMBTU/hr (HHV) Boiler	Boiler	BOP170004	10/15/2017	No		
E8005	B31-Blr#1	Bldg 31- Boiler 1 - 2 MMBTU/hr (HHV) Boiler	Boiler	BOP170005	10/15/2017	No		

STOCKTON UNIVERSITY (70871) Date: 12/1/2022

BOP190001

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
E8006	B31-Blr#2	Bldg 31- Boiler 2 - 2 MMBTU/hr (HHV) Boiler	Boiler	BOP170006	10/15/2017	No		
E8007	B31-Blr#3	Bldg 31- Boiler 3 - 2 MMBTU/hr (HHV) Boiler	Boiler	BOP170007	10/15/2017	No		
E9000	WTP-EG	WTP - 6.47 MMBTU/hr (HHV) Emerg. Gen. (625 kW)	Emergency Generator	BOP210001	8/31/2020	No		
E9001	B42-EG	Bldg 42 - 5.59 MMBTU/hr (HHV) Emerg. Gen. (615 kW)	Emergency Generator	BOP210002	7/27/2019	No		

70871 STOCKTON UNIVERSITY BOP190001 E1002 (Boiler)
Print Date: 12/1/2022

Make:	
Manufacturer:	Weill-McLain
Model:	P-988-W
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	2.71
Boiler Type:	Fire Tube
Utility Type:	Non-Utility
Output Type:	
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:	Hot Water Boiler

70871 STOCKTON UNIVERSITY BOP190001 E1003 (Boiler)
Print Date: 12/1/2022

Make:	
Manufacturer:	Weill-McLain
Model:	P-988-W
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	2.71
Boiler Type:	Fire Tube
Utility Type:	Non-Utility
Output Type:	
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:	Hot Water Boiler

70871 STOCKTON UNIVERSITY BOP190001 E1004 (Boiler)
Print Date: 12/1/2022

Make:	
Manufacturer:	Aerco
Model:	Benchmark 2.0 Low NOx
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	2.00
Boiler Type:	Fire Tube
Utility Type:	Non-Utility
Output Type:	
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:	Hot Water Boiler

70871 STOCKTON UNIVERSITY BOP190001 E1005 (Boiler)
Print Date: 12/1/2022

Make:	
Manufacturer:	Aerco
Model:	Benchmark 2.0 Low NOx
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	2.00
Boiler Type:	Fire Tube
Utility Type:	Non-Utility
Output Type:	
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:	Hot Water Boiler

70871 STOCKTON UNIVERSITY BOP190001 E1006 (Boiler)
Print Date: 12/1/2022

Make:	
Manufacturer:	McQuay
Model:	RPS125CLA
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.88
Boiler Type:	Fire Tube
Utility Type:	Non-Utility
Output Type:	
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:	Roof Top Unit

70871 STOCKTON UNIVERSITY BOP190001 E1007 (Boiler)
Print Date: 12/1/2022

Make:	
Manufacturer:	Cleaver Brooks
Model:	CBH757-40
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.67
Boiler Type:	Fire Tube
Utility Type:	Non-Utility
Output Type:	
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:	Hot Water Boiler

70871 STOCKTON UNIVERSITY BOP190001 E1008 (Boiler)
Print Date: 12/1/2022

Make:	
Manufacturer:	Cleaver Brooks
Model:	CBH757-40
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.67
Boiler Type:	Fire Tube
Utility Type:	Non-Utility
Output Type:	
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:	Hot Water Boiler

70871 STOCKTON UNIVERSITY BOP190001 E1009 (Boiler)
Print Date: 12/1/2022

Make:	
Manufacturer:	Precision Parts Corp.
Model:	PBN 1550
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.54
Boiler Type:	Fire Tube
Utility Type:	Non-Utility
Output Type:	
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:	Hot Water Boiler

70871 STOCKTON UNIVERSITY BOP190001 E1010 (Boiler)
Print Date: 12/1/2022

Make:	
Manufacturer:	Precision Parts Corp.
Model:	PBN 1550
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.54
Boiler Type:	Fire Tube
Utility Type:	Non-Utility
Output Type:	
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:	Hot Water Boiler

70871 STOCKTON UNIVERSITY BOP190001 E1012 (Boiler)
Print Date: 12/1/2022

Make:	
Manufacturer:	McQuay
Model:	RSP105CSA
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.25
Boiler Type:	Fire Tube
Utility Type:	Non-Utility
Output Type:	
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:	Roof Top Unit

70871 STOCKTON UNIVERSITY BOP190001 E1013 (Boiler)
Print Date: 12/1/2022

Make:	
Manufacturer:	Ruud/Rheem
Model:	GBCP-1223
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.22
Boiler Type:	Fire Tube
Utility Type:	Non-Utility
Output Type:	
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:	Hot Water Boiler

70871 STOCKTON UNIVERSITY BOP190001 E1014 (Boiler)
Print Date: 12/1/2022

Make:	
Manufacturer:	York
Model:	YPAL120MVE46BBFX
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.13
Boiler Type:	Fire Tube
Utility Type:	Non-Utility
Output Type:	
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:	Roof Top Unit

70871 STOCKTON UNIVERSITY BOP190001 E1015 (Boiler)
Print Date: 12/1/2022

Make:	
Manufacturer:	Aerco
Model:	
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.00
Boiler Type:	Fire Tube
Utility Type:	Non-Utility
Output Type:	
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:	Hot Water Boiler

70871 STOCKTON UNIVERSITY BOP190001 E1016 (Boiler)
Print Date: 12/1/2022

Make:	
Manufacturer:	Aerco
Model:	
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.00
Boiler Type:	Fire Tube
Utility Type:	Non-Utility
Output Type:	
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:	Hot Water Boiler

70871 STOCKTON UNIVERSITY BOP190001 E1017 (Boiler)
Print Date: 12/1/2022

Make:	
Manufacturer:	Paterson Kelly
Model:	NM-1000
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.00
Boiler Type:	Fire Tube
Utility Type:	Non-Utility
Output Type:	
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:	Hot Water Boiler

70871 STOCKTON UNIVERSITY BOP190001 E1018 (Boiler)
Print Date: 12/1/2022

Make:	
Manufacturer:	Paterson Kelly
Model:	NM-1000
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.00
Boiler Type:	Fire Tube
Utility Type:	Non-Utility
Output Type:	
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:	Hot Water Boiler

70871 STOCKTON UNIVERSITY BOP190001 E1019 (Boiler)
Print Date: 12/1/2022

Make:	
Manufacturer:	Paterson Kelly
Model:	NM-1000
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.00
Boiler Type:	Fire Tube
Utility Type:	Non-Utility
Output Type:	
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:	Hot Water Boiler

70871 STOCKTON UNIVERSITY BOP190001 E1020 (Boiler)
Print Date: 12/1/2022

Make:	AERCO
Manufacturer:	AERCO
Model:	BMK 1500 Benchmark
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.50
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:	9 ppm
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:

70871 STOCKTON UNIVERSITY BOP190001 E1021 (Boiler)
Print Date: 12/1/2022

Make:	AERCO
Manufacturer:	AERCO
Model:	BMK 1500 Benchmark
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.50
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:	9 ppm
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:

70871 STOCKTON UNIVERSITY BOP190001 E2000 (Boiler)
Print Date: 12/1/2022

Make:	
Manufacturer:	Weil-Mclain
Model:	
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	6.30
Boiler Type:	Fire Tube
Utility Type:	Non-Utility
Output Type:	
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:

70871 STOCKTON UNIVERSITY BOP190001 E2001 (Boiler)
Print Date: 12/1/2022

Make:	
Manufacturer:	Weil-Mclain
Model:	
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	6.30
Boiler Type:	Fire Tube
Utility Type:	Non-Utility
Output Type:	
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:

70871 STOCKTON UNIVERSITY BOP190001 E3000 (Emergency Generator)
Print Date: 12/1/2022

Make:	
Manufacturer:	Katolight
Model:	D250FJ4T1
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	2.86
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:	

70871 STOCKTON UNIVERSITY BOP190001 E3001 (Emergency Generator)
Print Date: 12/1/2022

Make:	
Manufacturer:	Caterpillar
Model:	SR4
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	2.57
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:	

70871 STOCKTON UNIVERSITY BOP190001 E3002 (Emergency Generator)
Print Date: 12/1/2022

Make:	
Manufacturer:	Katolight
Model:	N150FRZ4
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	1.72
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:	4 Stroke - Rich Burn

70871 STOCKTON UNIVERSITY BOP190001 E3003 (Emergency Generator)
Print Date: 12/1/2022

Make:	
Manufacturer:	Onan/Cummins
Model:	DGDK5554865
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	1.43
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:	

70871 STOCKTON UNIVERSITY BOP190001 E4000 (Emergency Generator)
Print Date: 12/1/2022

Make:	
Manufacturer:	Cummins
Model:	DFEJ-3276116 - 2012
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	4.17
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:	

70871 STOCKTON UNIVERSITY BOP190001 E4001 (Emergency Generator)
Print Date: 12/1/2022

Make:	
Manufacturer:	MTU Onsite Energy
Model:	DS00600D6SRAH1484 - 2012
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	5.54
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:	

70871 STOCKTON UNIVERSITY BOP190001 E5000 (Emergency Generator)
Print Date: 12/1/2022

Make:	
Manufacturer:	Generac
Model:	SG175
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	2.30
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:	4 Stroke - Lean Burn

70871 STOCKTON UNIVERSITY BOP190001 E7001 (Emergency Generator)
Print Date: 12/1/2022

Make:	Generac
Manufacturer:	Generac (2017)
Model:	MMG130D (2017) Model Year
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	1.04
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:	107 kW 166 HP Displacement per cylinder: 1.1 L

70871 STOCKTON UNIVERSITY BOP190001 E7002 (Emergency Generator)
Print Date: 12/1/2022

Make:	MTU Onsite
Manufacturer:	MTU Onsite (2017)
Model:	DG12V2000-DS750 (2017) Model Year
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	8.10
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:	750 kW 1193 HP Displacement per cylinder: 2 L

70871 STOCKTON UNIVERSITY BOP190001 E8000 (Boiler)
Print Date: 12/1/2022

Make:	Fulton
Manufacturer:	Fulton
Model:	VTG 5000
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	5.00
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:

70871 STOCKTON UNIVERSITY BOP190001 E8001 (Boiler)
Print Date: 12/1/2022

Make:	Fulton
Manufacturer:	Fulton
Model:	VTG 5000
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	5.00
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:

70871 STOCKTON UNIVERSITY BOP190001 E8002 (Boiler)
Print Date: 12/1/2022

Make:	Fulton
Manufacturer:	Fulton
Model:	VTG 5000
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	5.00
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:

70871 STOCKTON UNIVERSITY BOP190001 E8003 (Boiler)
Print Date: 12/1/2022

Make:	Fulton
Manufacturer:	Fulton
Model:	EDR 2000
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:

70871 STOCKTON UNIVERSITY BOP190001 E8004 (Boiler)
Print Date: 12/1/2022

Make:	Fulton
Manufacturer:	Fulton
Model:	EDR 2000
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:

70871 STOCKTON UNIVERSITY BOP190001 E8005 (Boiler)
Print Date: 12/1/2022

Make:	AERCO
Manufacturer:	AERCO
Model:	BMK 2000
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:

70871 STOCKTON UNIVERSITY BOP190001 E8006 (Boiler)
Print Date: 12/1/2022

Make:	AERCO
Manufacturer:	AERCO
Model:	BMK 2000
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:

70871 STOCKTON UNIVERSITY BOP190001 E8007 (Boiler)
Print Date: 12/1/2022

Make:	AERCO
Manufacturer:	AERCO
Model:	BMK 2000
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:

70871 STOCKTON UNIVERSITY BOP190001 E9000 (Emergency Generator)
Print Date: 12/1/2022

Make:	Generac
Manufacturer:	Generac (08/19/2020 Manufacture Date)
Model:	SG625
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	6.47
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:	625 kW 941 HP 4 Stroke - Lean Burn

70871 STOCKTON UNIVERSITY BOP190001 E9001 (Emergency Generator)
Print Date: 12/1/2022

Make:	Volvo-Penta
Manufacturer:	Volvo-Penta (2018)
Model:	TWD1672GE (2018) Model Year
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	5.59
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:	615 kW 836 HP Displacement per cylinder: 2.7 L

STOCKTON UNIVERSITY (70871)
BOP190001

Date: 12/1/2022

New Jersey Department of Environmental Protection
Emission Points Inventory

PT NJID	Facility's Designation	Description	Config.	Equiv. Diam. (in.)	Height (ft.)	Dist. to Prop. Line (ft)	Exhaust Temp. (deg. F)			Exhaust Vol. (acfm)			Discharge Direction	PT Set ID
							Avg.	Min.	Max.	Avg.	Min.	Max.		
PT1002	B42-Blr#1	Building 42- Boiler #1 Stack	Round	26	23	2,712	300.0	70.0	500.0	778.0	0.0	1,000.0	Up	
PT1003	B42-Blr#2	Building 42- Boiler #2 Stack	Round	26	23	2,712	300.0	70.0	500.0	778.0	0.0	1,000.0	Up	
PT1004	B51-Blr#1	Building 51- Boiler #1 Stack	Round	10	72	2,892	300.0	70.0	500.0	573.0	0.0	800.0	Up	
PT1005	B51-Blr#2	Building 51- Boiler #2 Stack	Round	10	72	2,892	300.0	70.0	500.0	573.0	0.0	800.0	Up	
PT1006	B31-RTU#1	Building 31- Roof Top Unit #1 Stack	Rectangle	15	39	2,329	300.0	70.0	500.0	537.0	0.0	800.0	Up	
PT1007	B30-Blr#1	Building 30- Boiler #1 Stack	Round	12	36	2,441	300.0	70.0	500.0	480.0	0.0	600.0	Up	
PT1008	B30-Blr#2	Building 30- Boiler #2 Stack	Round	12	36	2,441	300.0	70.0	500.0	480.0	0.0	600.0	Up	
PT1009	B39-Blr#1	Building 39- Boiler #1 Stack	Round	20	16	2,546	300.0	70.0	500.0	441.0	0.0	600.0	Up	
PT1010	B39-Blr#2	Building 39- Boiler #2 Stack	Round	20	16	2,546	300.0	70.0	500.0	441.0	0.0	600.0	Up	
PT1012	B31-RTU#2	Building 31- Roof Top Unit #2 Stack	Rectangle	13	39	2,416	300.0	70.0	500.0	358.0	0.0	500.0	Up	
PT1013	B75-Blr#1	Building 75- Boiler #1 Stack	Round	16	20	2,029	300.0	70.0	500.0	350.0	0.0	500.0	Up	
PT1014	B32-RTU#1	Building 32- Roof Top Unit #1 Stack	Rectangle	11	47	2,104	300.0	70.0	500.0	322.0	0.0	500.0	Up	
PT1015	B50-Blr#1	Building 50- Boiler #1 Stack	Round	12	38	2,517	300.0	70.0	500.0	287.0	0.0	400.0	Up	
PT1016	B50-Blr#2	Building 50- Boiler #2 Stack	Round	12	38	2,517	300.0	70.0	500.0	287.0	0.0	400.0	Up	
PT1017	B121-Blr#1	Building 121- Boiler #1 Stack	Round	12	38	803	300.0	70.0	500.0	287.0	0.0	400.0	Up	
PT1018	B123-Blr#1	Building 123- Boiler #1 Stack	Round	12	38	475	300.0	70.0	500.0	287.0	0.0	400.0	Up	
PT1019	B125-Blr#1	Building 125- Boiler #1 Stack	Round	12	38	354	300.0	70.0	500.0	287.0	0.0	400.0	Up	
PT1020	B33-Blr#1	Building 33 - Boiler #1 Stack	Round	10	18	2,061	300.0	70.0	425.0	409.0	0.0	500.0	Up	

STOCKTON UNIVERSITY (70871)
BOP190001

Date: 12/1/2022

New Jersey Department of Environmental Protection
Emission Points Inventory

PT NJID	Facility's Designation	Description	Config.	Equiv. Diam. (in.)	Height (ft.)	Dist. to Prop. Line (ft)	Exhaust Temp. (deg. F)			Exhaust Vol. (acfm)			Discharge Direction	PT Set ID
							Avg.	Min.	Max.	Avg.	Min.	Max.		
PT1021	B33-Blr#2	Building 33 - Boiler #2 Stack	Round	10	18	2,061	300.0	70.0	425.0	409.0	0.0	500.0	Up	
PT2000	B32-Blr#1	Building 32- Boiler #1 Stack	Round	30	41	2,254	300.0	70.0	500.0	1,800.0	0.0	2,000.0	Up	
PT2001	B32-Blr#2	Building 32- Boiler #2 Stack	Round	30	41	2,254	300.0	70.0	500.0	1,800.0	0.0	2,000.0	Up	
PT3000	B30- EG	Building 30 Emergency Generator Stack	Round	5	11	2,478	850.0	70.0	1,100.0	4,600.0	0.0	6,000.0	Up	
PT3001	B35- EG	Building 35 Emergency Generator Stack	Round	5	10	2,273	850.0	70.0	1,100.0	4,200.0	0.0	5,500.0	Horizontal	
PT3002	B31- EG	Building 31 Emergency Generator Stack	Round	5	29	2,316	850.0	70.0	1,100.0	2,800.0	0.0	5,000.0	Up	
PT3003	B71- EG	Building 71 Emergency Generator Stack	Round	3	6	702	850.0	70.0	1,100.0	2,300.0	0.0	4,000.0	Up	
PT4000	B50- EG	Building 50 Emergency Generator Stack	Round	7	13	2,577	850.0	70.0	1,100.0	7,800.0	0.0	10,000.0	Up	
PT4001	B51- EG#1	Building 51 Emergency Generator Stack #1	Round	6	12	2,835	850.0	70.0	1,100.0	11,000.0	0.0	15,000.0	Up	
PT4002	B51- EG#2	Building 51 Emergency Generator Stack #2	Round	6	12	2,835	850.0	70.0	1,100.0	11,000.0	0.0	15,000.0	Up	
PT5000	B32- EG	Building 32 Emergency Generator Stack	Round	5	3	2,372	850.0	70.0	1,100.0	3,570.0	0.0	5,000.0	Up	
PT7001	Port-Generac	Emerg. Gen. E7001 Stack	Round	4	8	10	1,100.0	70.0	1,100.0	877.0	0.0	877.0	Up	
PT7002	B52- EG	Building 52 -Emerg. Gen. E7002 Stack	Round	10	12	500	1,076.0	70.0	1,076.0	6,145.0	0.0	6,145.0	Up	
PT8000	B52-Blr#1	Building 52 -Boiler 1 Stack	Round	14	70	2,700	300.0	70.0	350.0	1,433.0	0.0	1,600.0	Up	
PT8001	B52-Blr#2	Building 52 -Boiler 2 Stack	Round	14	70	2,700	300.0	70.0	350.0	1,433.0	0.0	1,600.0	Up	
PT8002	B52-Blr#3	Building 52 -Boiler 3 Stack	Round	14	70	2,700	300.0	70.0	350.0	1,433.0	0.0	1,600.0	Up	

STOCKTON UNIVERSITY (70871)
BOP190001

Date: 12/1/2022

New Jersey Department of Environmental Protection
Emission Points Inventory

PT NJID	Facility's Designation	Description	Config.	Equiv. Diam. (in.)	Height (ft.)	Dist. to Prop. Line (ft)	Exhaust Temp. (deg. F)			Exhaust Vol. (acfm)			Discharge Direction	PT Set ID
							Avg.	Min.	Max.	Avg.	Min.	Max.		
PT8003	B52-Blr#1	Building 53 -Boiler 1 Stack	Round	8	100	1,000	350.0	70.0	350.0	650.0	0.0	650.0	Up	
PT8004	B52-Blr#2	Building 53 -Boiler 2 Stack	Round	8	100	1,000	350.0	70.0	350.0	650.0	0.0	650.0	Up	
PT8005	B31-Blr#1	Building 31 -Boiler 1 Stack	Round	16	36	2,200	350.0	70.0	350.0	650.0	0.0	650.0	Up	
PT8006	B31-Blr#2	Building 31 -Boiler 2 Stack	Round	16	36	2,200	350.0	70.0	350.0	650.0	0.0	650.0	Up	
PT8007	B31-Blr#3	Building 31 -Boiler 3 Stack	Round	16	36	2,200	350.0	70.0	350.0	650.0	0.0	650.0	Up	
PT9000	WWTP-EG	WWTP - Emerg. Gen. E9000 Stack	Round	12	15	2,200	1,100.0	70.0	1,116.0	12,094.0	0.0	12,094.0	Up	
PT9001	B42-EG	Building 42 -Emerg. Gen. E9001 Stack	Round	8	12	2,685	831.0	70.0	831.0	10,589.0	0.0	10,589.0	Up	

STOCKTON UNIVERSITY (70871)
BOP190001

Date: 12/1/2022

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

U 1000 Blr<5MMBtuhr Boilers Less Than 5 MMBtu/hr

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.
OS1002	B42-Blr#1	Building 42- Boiler #1- 2.71 MMBtu/hr, Natural Gas	Normal - Steady State	E1002		PT1002	1-03-006-03	0.0	8,760.0					
OS1003	B42-Blr#2	Building 42- Boiler #2- 2.71 MMBtu/hr, Natural Gas	Normal - Steady State	E1003		PT1003	1-03-006-03	0.0	8,760.0					
OS1004	B51-Blr#1	Building 51- Boiler #1- 2.0 MMBtu/hr, Natural Gas	Normal - Steady State	E1004		PT1004	1-03-006-03	0.0	8,760.0					
OS1005	B51-Blr#2	Building 51- Boiler #2- 2.0 MMBtu/hr, Natural Gas	Normal - Steady State	E1005		PT1005	1-03-006-03	0.0	8,760.0					
OS1006	B31-RTU#1	Building 31- Roof Top Unit #1- 1.88 MMBtu/hr, Natural Gas	Normal - Steady State	E1006		PT1006	1-03-006-03	0.0	8,760.0					
OS1007	B30-Blr#1	Building 30- Boiler #1- 1.67 MMBtu/hr, Natural Gas	Normal - Steady State	E1007		PT1007	1-03-006-03	0.0	8,760.0					
OS1008	B30-Blr#2	Building 30- Boiler #2- 1.67 MMBtu/hr, Natural Gas	Normal - Steady State	E1008		PT1008	1-03-006-03	0.0	8,760.0					
OS1009	B39-Blr#1	Building 39- Boiler #1- 1.54 MMBtu/hr, Natural Gas	Normal - Steady State	E1009		PT1009	1-03-006-03	0.0	8,760.0					
OS1010	B39-Blr#2	Building 39- Boiler #2- 1.54 MMBtu/hr, Natural Gas	Normal - Steady State	E1010		PT1010	1-03-006-03	0.0	8,760.0					
OS1012	B31-RTU#2	Building 31- Roof Top Unit #2- 1.25 MMBtu/hr, Natural Gas	Normal - Steady State	E1012		PT1012	1-03-006-03	0.0	8,760.0					
OS1013	B75-Blr#1	Building 75- Boiler #1- 1.22 MMBtu/hr, Natural Gas	Normal - Steady State	E1013		PT1013	1-03-006-03	0.0	8,760.0					

STOCKTON UNIVERSITY (70871)
BOP190001

Date: 12/1/2022

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

U 1000 Blr<5MMBtuhr Boilers Less Than 5 MMBtu/hr

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.
OS1014	B32-RTU#1	Building 32- Roof Top Unit #1- 1.13 MMBtu/hr, Natural Gas	Normal - Steady State	E1014		PT1014	1-03-006-03	0.0	8,760.0					
OS1015	B50-Blr#1	Building 50- Boiler #1- 1.0 MMBtu/hr, Natural Gas	Normal - Steady State	E1015		PT1015	1-03-006-03	0.0	8,760.0					
OS1016	B50-Blr#2	Building 50- Boiler #2- 1.0 MMBtu/hr, Natural Gas	Normal - Steady State	E1016		PT1016	1-03-006-03	0.0	8,760.0					
OS1017	B121-Blr#1	Building 121- Boiler #1- 1.0 MMBtu/hr, Natural Gas	Normal - Steady State	E1017		PT1017	1-03-006-03	0.0	8,760.0					
OS1018	B123-Blr#1	Building 123- Boiler #1- 1.0 MMBtu/hr, Natural Gas	Normal - Steady State	E1018		PT1018	1-03-006-03	0.0	8,760.0					
OS1019	B125-Blr#1	Building 125- Boiler #1- 1.0 MMBtu/hr, Natural Gas	Normal - Steady State	E1019		PT1019	1-03-006-03	0.0	8,760.0					
OS1020	B53-Blr#1	Building 53- Boiler #1 - 2 MMBtu/hr (HHV), Boiler Natural Gas Only	Normal - Steady State	E8003		PT8003	1-03-006-03	0.0	8,760.0					
OS1021	B53-Blr#2	Building 53- Boiler #2 - 2 MMBtu/hr (HHV), Boiler Natural Gas Only	Normal - Steady State	E8004		PT8004	1-03-006-03	0.0	8,760.0					
OS1022	B31-Blr#1	Building 31- Boiler #1- 2 MMBtu/hr (HHV), Boiler Natural Gas Only	Normal - Steady State	E8005		PT8005	1-03-006-03	0.0	8,760.0					
OS1023	B31-Blr#2	Building 31- Boiler #2- 2 MMBtu/hr (HHV), Boiler Natural Gas Only	Normal - Steady State	E8006		PT8006	1-03-006-03	0.0	8,760.0					
OS1024	B31-Blr#3	Building 31- Boiler #3- 2 MMBtu/hr (HHV), Boiler Natural Gas Only	Normal - Steady State	E8007		PT8007	1-03-006-03	0.0	8,760.0					

STOCKTON UNIVERSITY (70871)
BOP190001

Date: 12/1/2022

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

U 1000 Blr<5MMBtuhr Boilers Less Than 5 MMBtu/hr

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.
OS1025	B33-Blr#1	Building 33- Boiler #1- 1.5 MMBtu/hr (HHV), Boiler Natural Gas Only	Normal - Steady State	E1020		PT1020	1-03-006-03	0.0	8,760.0					
OS1026	B33-Blr#2	Building 33- Boiler #2- 1.5 MMBtu/hr (HHV), Boiler Natural Gas Only	Normal - Steady State	E1021		PT1021	1-03-006-03	0.0	8,760.0					

U 2000 Blr>=5MMBtuh Boilers Greater Than or Equal to 5 MMBtu/hr

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.
OS2000	B32-Blr#1	Building 32- Boiler #1- 6.3 MMBtu/hr, Natural Gas	Normal - Steady State	E2000		PT2000	1-03-006-03	0.0	8,760.0					
OS2001	B32-Blr#2	Building 32- Boiler #2- 6.3 MMBtu/hr, Natural Gas	Normal - Steady State	E2001		PT2001	1-03-006-03	0.0	8,760.0					
OS2002	B52-Blr#1	Building 52- Boiler #1 - 5 MMBtu/hr (HHV), Boiler Natural Gas Only	Normal - Steady State	E8000		PT8000	1-03-006-03	0.0	8,760.0					
OS2003	B52-Blr#2	Building 52- Boiler #2 - 5 MMBtu/hr (HHV), Boiler Natural Gas Only	Normal - Steady State	E8001		PT8001	1-03-006-03	0.0	8,760.0					

STOCKTON UNIVERSITY (70871)
BOP190001

Date: 12/1/2022

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

U 2000 Blr>=5MMBtuh Boilers Greater Than or Equal to 5 MMBtu/hr

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.
OS2004	B52-Blr#3	Building 52- Boiler #3 - 5 MMBtu/hr (HHV), Boiler Natural Gas Only	Normal - Steady State	E8002		PT8002	1-03-006-03	0.0	8,760.0					

U 3000 EGs- nonNSPS Emergency Generators (including fire pumps) - Non-NSPS

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.
OS3000	B30- EG	Bldg 30 Emergency Generator- 2.86 MMBtu/hr, Fuel Oil	Normal - Steady State	E3000		PT3000	2-01-001-02	0.0	100.0					
OS3001	B35- EG	Bldg 35/Hsg 2&3/Lift 2 Emergency Generator- 2.57 MMBtu/hr, Fuel Oil	Normal - Steady State	E3001		PT3001	2-01-001-02	0.0	100.0					
OS3002	B31- EG	Bldg 31 Emergency Generator- 1.72 MMBtu/hr, Nat. Gas . 4S-RB	Normal - Steady State	E3002		PT3002	2-02-002-53	0.0	100.0					
OS3003	B71- EG	Bldg 71 Emergency Generator- 1.43 MMBtu/hr, Fuel Oil	Normal - Steady State	E3003		PT3003	2-01-001-02	0.0	100.0					

STOCKTON UNIVERSITY (70871)
BOP190001

Date: 12/1/2022

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

U 4000 EG-NSPS-FO Emergency Generators - NSPS Subpart 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.
OS4000	B50- EG	Bldg 50 Emergency Generator- 4.17 MMBtu/hr, Fuel Oil	Normal - Steady State	E4000		PT4000	2-01-001-02	0.0	100.0					
OS4001	B51- EG	Bldg 51 Emergency Generator- 5.54 MMBtu/hr, Fuel Oil	Normal - Steady State	E4001		PT4001 PT4002	2-01-001-02	0.0	100.0					
OS4003	Port-Generac	Portable 1.04 MMBtu/hr (HHV) Emerg. Gen. (107 kW) Diesel fuel, 100 Hrs/yr	Normal - Steady State	E7001		PT7001	2-01-001-02	0.0	100.0					
OS4004	B52 - EG	Bldg 52 - 8.1 MMBtu/hr (HHV) Emerg. Gen. (750 kW) Diesel fuel, 100 Hrs/yr	Normal - Steady State	E7002		PT7002	2-01-001-02	0.0	100.0					
OS4005	B42-EG	Bldg 42 - 5.59 MMBtu/hr (HHV) Emerg. Gen. (615 kW) Diesel fuel, 100 Hrs/yr	Normal - Steady State	E9001		PT9001	2-01-001-02	0.0	100.0					

STOCKTON UNIVERSITY (70871)
BOP190001

Date: 12/1/2022

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

U 5000 EG-NSPS-NG Emergency Generators - NSPS Subpart JJJJ

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.
OS5000	B32- EG	Bldg 32 Emergency Generator- 2.3 MMBtu/hr, Nat. Gas, 4S-LB	Normal - Steady State	E5000		PT5000	2-02-002-54	0.0	100.0					
OS5001	WTP-EG	WTP - 6.47 MMBTU/hr (HHV) Emerg. Gen. (625 kW) Natural Gas, 100 hrs/yr, 4S-LB	Normal - Steady State	E9000		PT9000	2-02-002-54	0.0	100.0			12,094.0		1,116.0