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: BOP200009 **Program Interest Number: 75499**

Mailing Address	Plant Location
JAMES HAMILTON ASST. ENGINEER IN CHARGE OF MAINTENANCE NJDOC BAYSIDE STATE PRISON 4293 DELSEA DR Leesburg, NJ 08327	BAYSIDE STATE PRISON NJDOC Rt 47 Delsea Dr Leesburg Cumberland County

Initial Operating Permit Approval Date: **June 21, 2001**

Operating Permit Approval Date: **PROPOSED**

Operating Permit Expiration Date:

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 Christopher Schwalje at (609) 292-1192.

Approved by:

_____

Kevin Greener

Enclosure

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

Facility Name: BAYSIDE STATE PRISON NJDOC
Program Interest Number: 75499
Permit Activity Number: BOP200009

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Section A

Facility Name: BAYSIDE STATE PRISON NJDOC
Program Interest Number: 75499
Permit Activity Number: BOP200009

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	7.53	48.3	34.3	1.02	2.81	2.82	2.82	N/A	0.024	
Batch Process Summary	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Group Summary	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Total Emissions	7.53	48.3	34.3	1.02	2.81	2.82	2.82	N/A	0.024	37,398

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

Emissions from all Insignificant Source Operations and Non-Source Fugitive Emissions (tons per year)									
Source Categories	VOC (total)	NO_x	CO	SO_2	TSP (total)	PM_{10} (total)	$PM_{2.5}$[2] (total)	Pb	HAPs (total)
Insignificant Source Operations	1.70	1.17	0.98	0.008	0.088	0.088	N/A	N/A	N/A
Non-Source Fugitive Emissions	1.00	N/A	N/A	N/A	1.20	1.00	N/A	N/A	N/A

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

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

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

Section A

Facility Name: BAYSIDE STATE PRISON NJDOC
Program Interest Number: 75499
Permit Activity Number: BOP200009

POLLUTANT EMISSIONS SUMMARY

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

HAP	TPY
Arsenic	0.00005
Benzene	0.00115
Cadmium	0.000356
Cobalt	0.000023
Dimethylbenz(a)anthracene	0.00000457
Formaldehyde	0.0212
Nickel	0.00053
Polycyclic Organic Matter	0.00067

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

Other Air Contaminant	TPY
N/A	

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

Section B

Facility Name: BAYSIDE STATE PRISON NJDOC
Program Interest Number: 75499
Permit Activity Number: BOP200009

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: BAYSIDE STATE PRISON NJDOC
Program Interest Number: 75499
Permit Activity Number: BOP200009

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: BAYSIDE STATE PRISON NJDOC
Program Interest Number: 75499
Permit Activity Number: BOP200009

FACILITY SPECIFIC REQUIREMENTS AND INVENTORIES

FACILITY SPECIFIC REQUIREMENTS PAGE INDEX

Subject Item and Name **Page Number**

Facility (FC):

Insignificant Sources (IS):

Emission Units (U):

U1009	2, Gas ASTs	2,000 gallon AST with Gasoline and 6,000 gallon AST with Gasoline	82
U6000	Tag Shop	Manufacture of License Plates in the DEPTCOR Tag Shop	90
U10010	Boiler # 1	Clever Brooks Boiler (200 HP, 8.3 MMBTU/hr)	92

BAYSIDE STATE PRISON NJDOC (75499)
BOP200009

Date: 2/6/2023

New Jersey Department of Environmental Protection
Reason for Application

Permit Being Modified

Permit Class: BOP **Number:** 210001

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

1) Updated FC requirements in accordance with NJDEP policy;
2) Added Arsenic, Benzene, Cadmium, Cobalt, Dimethylbenz(a)anthracene (7,12-), Formaldehyde, Nickel, and Polycyclic Organic Matter as HAPs to the permit in accordance with N.J.A.C. 7:27-17 Table 2 thresholds;
3) Added PM-2.5 emissions in accordance with NJDEP policy;
4) Added an 840,000 BTU/hr hot water heater as an insignificant source (IS28);
5) Recalculated potential to emit rates based on natural gas usages; and
6) Updated facility contacts to include only Responsible Official, Fees/Billing Contact, Air Permit Information Contact, Owner, and Operator in accordance with NJDEP policy.

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: **IS12 (1) 500 gallon Gasoline Tank**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	The permittee shall maintain records specifying each VOC stored and the vapor pressure of each VOC at standard conditions. [N.J.A.C. 7:27-16.2(s)]	Other: Storage tank contents.[N.J.A.C. 7:27-22.16(o)].	Other: The permittee shall maintain tank records specifying each VOC stored and the vapor pressure of each VOC at standard conditions. Storage tank records for each VOC shall consist of fuel delivery receipts. [N.J.A.C. 7:27-22.16(o)].	None.
2	Tank's contents limited to gasoline. [N.J.A.C. 7:27-22.16(a)]	Other: Tank contents.[N.J.A.C. 7:27-22.16(o)].	Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing materials delivered. [N.J.A.C. 7:27-22.16(o)]	None.
3	Total Throughput <= 10,000 gal/yr of gasoline. [N.J.A.C. 7:27-22.16(a)]	Other: Permittee shall monitor the annual gasoline throughput in IS12 by tracking the number of 50 gallon drums transferred to IS12 from the gasoline tanks in U1009.[N.J.A.C. 7:27-22.16(o)].	Total Throughput: Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. Permittee shall record the date and number of 50 gallon drums transferred to IS12 from U1009 each time gasoline is transferred to IS12. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Subject Item: **IS13 (1) 500 gallon Diesel Tank, IS14 (1) 500 gallon Kerosene Tank, IS17 (1) 5,000 gallon AST Donkey Boiler #2 Fuel Oil Tank, IS18 (1) 1,000 gallon Diesel Tank for WTTP Emergency Generator, IS19 (1) 4,000 gallon Diesel Tank.02**

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

New Jersey Department of Environmental Protection
Facility Specific Requirements

Subject Item: **IS15 (1) Parts Washer**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	The permittee shall use a tightly fitting working-mode cover that completely covers the machine's opening and that shall be kept closed at all times except when parts are being placed into or being removed from the machine or when solvent is being added or removed. [N.J.A.C. 7:27-16.6(j)1]	Monitored by visual determination upon occurrence of event, based on an instantaneous determination. Monitoring shall occur for each period of inactive use of the machine. [N.J.A.C. 7:27-22.16(o)]	None.	None.
2	The owner or operator of a cold cleaning machine or a heated cleaning machine shall maintain, for not less than two years after the date of purchase of solvent, the information pertaining to the solvent as specified in N.J.A.C. 7:27-16.6(j)4i through 4v, and shall, upon the request of the Department, provide the information to the Department. [N.J.A.C. 7:27-16.6(j)4]	None.	None.	None.
3	The permittee shall use a tightly fitting working-mode cover that completely covers the machine's opening and that shall be kept closed at all times except when parts are being placed into or being removed from the machine or when solvent is being added or removed. [N.J.A.C. 7:27-16.6(j)1]	Monitored by visual determination upon occurrence of event, based on an instantaneous determination. Monitoring shall occur for each period of inactive use of the machine. [N.J.A.C. 7:27-22.16(o)]	None.	None.
4	The owner or operator of a cold cleaning machine or a heated cleaning machine shall maintain, for not less than two years after the date of purchase of solvent, the information pertaining to the solvent as specified in N.J.A.C. 7:27-16.6(j)4i through 4v, and shall, upon the request of the Department, provide the information to the Department. [N.J.A.C. 7:27-16.6(j)4]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Subject Item: **IS20 (3) Grandfathered AST's (1-15K Diesel Tank & 2-20K #2 Fuel Oil Tank), IS21 (2) UST's(1-15K Diesel Tank & 1-12K Diesel Tank)**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Sulfur Content in Fuel <= 15 ppmw (0.0015% by weight). Maximum allowable sulfur content in fuel oil by fuel oil type/viscosity and geographical zone. Effective July 1, 2016. [N.J.A.C. 7:27-9.2(a)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery. [N.J.A.C. 7:27-22.16(o)]	Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	None.
2	Fuel stored in New Jersey that met the applicable maximum sulfur content standard of Tables 1A or 1B of N.J.A.C. 7:27-9.2 at the time the fuel was stored in New Jersey may be used after the effective date of the applicable standard in Table 1B. [N.J.A.C. 7:27- 9.2(a)]	None.	None.	None.
3	The operating temperature shall not be greater than 350 degrees F. [N.J.A.C. 7:27-22.1]	None.	None.	None.
4	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.
5	The tank shall have no visible emissions, exclusive of water vapor, to the outdoor atmosphere. [N.J.A.C. 7:27-22.1]	None.	None.	None.
6	The tank 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.
7	The tank shall be subject to the NSPS requirements to maintain a record of the contents of the tank, the period of storage of these contents, and the maximum true vapor pressure of the liquid stored. The tank shall not be subject to any other NESHAPS, MACT, or NSPS air pollution control standards. [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 tank's potential to emit each TXS and each HAP shall not exceed the de minimis reporting thresholds as specified in N.J.A.C. 7:27-22, Appendix. [N.J.A.C. 7:27-22.1]	None.	None.	None.
9	The percentage by weight of all HAPs collectively in the raw material stored in the tank shall be less than 1.0 percent. [N.J.A.C. 7:27-22.1]	None.	None.	None.
10	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 meets the applicable requirements of Ref. #3 to #9 above and (3) attests that the tank 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

Subject Item: **IS22 Wastewater Treatment Plant (VOC < 3500 ppbw and TXS < 100 ppbw)**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Maximum concentration in the water of TXS shall be less than 100 parts per billion by weight and the total concentration in the water of VOC shall be less than 3,500 parts per billion by weight. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Subject Item: **IS23 Fryer (0.35 MMBTU//hr)**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Maximum Gross Heat Input < 1 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 GOP-002A - Manufacturing and Materials Handling Equipment**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Opacity <= 20 % exclusive of condensed water vapor, except for 3 minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-6.2(d)] &. [N.J.A.C. 7:27- 6.2(e)]	None.	None.	None.
2	Opacity: No Visible Emissions, exclusive of condensed water vapor, except for no more than 3 minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	Each Uncontrolled Piece of Equipment: The maximum emission rate for each air contaminant shall be below the reporting threshold in accordance with N.J.A.C. 7:27-22 and/or N.J.A.C. 7:27-17, as applicable. [N.J.A.C. 7:27-22.16(a)]	Monitored by calculations once initially. The permittee may use emission factors, engineering principles, vendor guarantees or mass balance to calculate the PTE for each air contaminant. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Maintain emission calculation records based on the maximum equipment capacity showing that the PTE for each air contaminant is below the reporting threshold in accordance with N.J.A.C. 7:27-22 and/or N.J.A.C. 7:27-17, as applicable. [N.J.A.C. 7:27-22.16(o)]	None.
4	Raw materials limited to cake batter (OS1) and bread dough (OS2-3). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing raw materials used. [N.J.A.C. 7:27-22.16(o)].	None.
5	Total Material Transferred <= 744.6 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	Other: Maintain records showing the annual tons/yr throughput.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 GOP-002A - Manufacturing and Materials Handling Equipment**
Operating Scenario: **OS1 Bread Mixers, OS2 Cake Mixers, OS3 Proof Boxes**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Total Material Transferred <= 170 lb/hr. Maximum lb/hr throughput rate based on maximum equipment capacity. [N.J.A.C. 7:27-22.16(a)]	None.	Other: Maintain records showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U2 GOP-007-1 Boiler Based on 8,760 Hours per Year Operation**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Opacity: No visible emissions exclusive of condensed water vapor, except for no more than 3 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	Particulate Emissions <= 1.24 lb/hr (PT35). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
3	Boiler fuel limited to natural gas [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Natural Gas Usage <= 17.78 MMft^3/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	Maximum Gross Heat Input <= 2.07 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
6	NOx (Total) <= 0.89 tons/yr. Annual emission limit based on natural gas usage. [N.J.A.C. 7:27-22.16(a)]	NOx (Total): Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	NOx (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.
7	CO <= 0.75 tons/yr. Annual emission limit based on natural gas usage. [N.J.A.C. 7:27-22.16(a)]	CO: Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	CO: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.
8	HAPs <= 0.00001 tons/yr (0.02 lb/yr). Annual emissions based on Cadmium Emissions. [N.J.A.C. 7:27-22.16(a)]	HAPs: Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	HAPs: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.
9	Cadmium Emissions <= 0.00001 tons/yr (0.02 lb/yr). Annual emissions of this HAP based on natural gas usage. [N.J.A.C. 7:27-22.16(a)]	Cadmium Emissions: Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	Cadmium Emissions: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U2 GOP-007-1 Boiler Based on 8,760 Hours per Year Operation**
Operating Scenario: **OS1 2.07 MMBTU/hr (HHV), Boiler Natural Gas Only**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	NOx (Total) <= 0.2 lb/hr. Maximum emission rate based on AP-42 emission factor (100 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
2	CO <= 0.17 lb/hr. Maximum emission rate based on AP-42 emission factor (84 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	TSP < 0.05 lb/hr (below reporting threshold). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Cadmium Emissions <= 0.0000023 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U3 GOP-007-1 Boiler Based on 8,760 Hours per Year Operation**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Opacity: No visible emissions exclusive of condensed water vapor, except for no more than 3 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	Particulate Emissions <= 1.24 lb/hr (PT36). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
3	Boiler fuel limited to natural gas [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Natural Gas Usage <= 17.78 MMft^3/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	Maximum Gross Heat Input <= 2.07 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
6	NOx (Total) <= 0.89 tons/yr. Annual emission limit based on natural gas usage. [N.J.A.C. 7:27-22.16(a)]	NOx (Total): Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	NOx (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.
7	CO <= 0.75 tons/yr. Annual emission limit based on natural gas usage. [N.J.A.C. 7:27-22.16(a)]	CO: Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	CO: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.
8	HAPs <= 0.00001 tons/yr (0.02 lb/yr). Annual emissions based on Cadmium Emissions. [N.J.A.C. 7:27-22.16(a)]	HAPs: Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	HAPs: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.
9	Cadmium Emissions <= 0.00001 tons/yr (0.02 lb/yr). Annual emissions of this HAP based on natural gas usage. [N.J.A.C. 7:27-22.16(a)]	Cadmium Emissions: Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	Cadmium Emissions: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U3 GOP-007-1 Boiler Based on 8,760 Hours per Year Operation**
Operating Scenario: **OS1 2.07 MMBTU/hr (HHV), Boiler Natural Gas Only**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	NOx (Total) <= 0.2 lb/hr. Maximum emission rate based on AP-42 emission factor (100 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
2	CO <= 0.17 lb/hr. Maximum emission rate based on AP-42 emission factor (84 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	TSP < 0.05 lb/hr (below reporting threshold). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Cadmium Emissions <= 0.0000023 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U4 GOP-007-1 Boiler Based on 8,760 Hours per Year Operation**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Opacity: No visible emissions exclusive of condensed water vapor, except for no more than 3 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	Particulate Emissions <= 0.76 lb/hr (PT37). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
3	Boiler fuel limited to natural gas. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Natural Gas Usage <= 10.82 MMft^3/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	Maximum Gross Heat Input <= 1.26 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
6	NOx (Total) <= 0.54 tons/yr. Annual emission limit based on natural gas usage. [N.J.A.C. 7:27-22.16(a)]	NOx (Total): Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	NOx (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.
7	CO <= 0.45 tons/yr. Annual emission limit based on natural gas usage. [N.J.A.C. 7:27-22.16(a)]	CO: Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	CO: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.
8	HAPs <= 0.000006 tons/yr (0.012 lb/yr). Annual emissions based on Cadmium Emissions. [N.J.A.C. 7:27-22.16(a)]	HAPs: Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	HAPs: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.
9	Cadmium Emissions <= 0.000006 tons/yr (0.012 lb/yr). Annual emissions of this HAP based on natural gas usage. [N.J.A.C. 7:27-22.16(a)]	Cadmium Emissions: Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	Cadmium Emissions: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U4 GOP-007-1 Boiler Based on 8,760 Hours per Year Operation**
Operating Scenario: **OS1 1.26 MMBTU/hr (HHV), Boiler Natural Gas Only**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	NOx (Total) <= 0.12 lb/hr. Maximum emission rate based on AP-42 emission factor (100 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
2	CO <= 0.1 lb/hr. Maximum emission rate based on AP-42 emission factor (84 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	TSP < 0.05 lb/hr (below reporting threshold). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Cadmium Emissions <= 0.0000014 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U5 GOP-007-1 Boiler Based on 8,760 Hours per Year Operation**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Opacity: No visible emissions exclusive of condensed water vapor, except for no more than 3 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	Particulate Emissions <= 0.76 lb/hr (PT38). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
3	Boiler fuel limited to natural gas. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Natural Gas Usage <= 10.82 MMft^3/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	Maximum Gross Heat Input <= 1.26 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
6	NOx (Total) <= 0.54 tons/yr. Annual emission limit based on natural gas usage. [N.J.A.C. 7:27-22.16(a)]	NOx (Total): Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	NOx (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.
7	CO <= 0.45 tons/yr. Annual emission limit based on natural gas usage. [N.J.A.C. 7:27-22.16(a)]	CO: Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	CO: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.
8	HAPs <= 0.000006 tons/yr (0.012 lb/yr). Annual emissions based on Cadmium Emissions. [N.J.A.C. 7:27-22.16(a)]	HAPs: Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	HAPs: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.
9	Cadmium Emissions <= 0.000006 tons/yr (0.012 lb/yr). Annual emissions of this HAP based on natural gas usage. [N.J.A.C. 7:27-22.16(a)]	Cadmium Emissions: Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	Cadmium Emissions: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U5 GOP-007-1 Boiler Based on 8,760 Hours per Year Operation**
Operating Scenario: **OS1 1.26 MMBTU/hr (HHV), Boiler Natural Gas Only**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	NOx (Total) <= 0.12 lb/hr. Maximum emission rate based on AP-42 emission factor (100 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
2	CO <= 0.1 lb/hr. Maximum emission rate based on AP-42 emission factor (84 lb/MMft^3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	TSP < 0.05 lb/hr (below reporting threshold). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Cadmium Emissions <= 0.0000014 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U6 EG-004-5 Emergency Generator 480 kW**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Summary of Federal Requirements: 40 CFR 63 Subpart ZZZZ [40 CFR Federal Rules Summary]	None.	None.	None.
2	Opacity <= 20 % exclusive of visible condensed water vapor, except for a period of not longer than 10 consecutive seconds. [N.J.A.C. 7:27- 3.5]	None.	None.	None.
3	Particulate Emissions <= 4.16 lb/hr (PT41). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
4	The owner or operator shall keep records of engine manufacturer data for the life of the equipment showing the rated Maximum Gross Heat Input, Maximum Engine Power, and Manufacture Date. [N.J.A.C. 7:27-22.16(a)]	None.	Other: The owner or operator shall keep records of engine manufacturer data for the life of the equipment showing the rated Maximum Gross Heat Input, Maximum Engine Power, and Manufacture Date. [N.J.A.C. 7:27-22.16(o)].	None.
5	Generator fuel limited to natural gas [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
6	The emergency generator shall be located at the facility and produce mechanical or thermal energy, or electrical power exclusively for use at the facility. This emergency generator shall be operated only: 1. During the performance of normal testing and maintenance procedures, as recommended in writing by the manufacturer and/or as required in writing by a Federal or State law or regulation, 2. When there is power outage or the primary source of mechanical or thermal energy fails because of an emergency, or when the power disruption resulted from construction, repair, or maintenance activity (CRM) at the facility. Operation of the emergency generator under construction, repair, or maintenance activity is limited to 30 days in any calendar year; or 3. When there is a voltage reduction issued by PJM and posted on the PJM internet website (www.pjm.com) under the "emergency procedures" menu. [N.J.A.C. 7:27-19.1]	Monitored by hour/time monitor continuously. The owner or operator shall install, calibrate and maintain a non-resettable hour meter in accordance with the manufacturer's specifications. In addition, the owner or operator shall monitor, once per month, the total operating time from the generator's hour meter; hours of operation for emergency use; hours of operation for testing and maintenance; and the total fuel usage calculated by the following: Fuel Usage (Cubic feet per month) = (Hours of operation per month) x (Maximum emergency generator fuel usage rate in cubic feet per hour). Hours of operation for emergency use (per month) = (The monthly total operating time from the generator's hour meter) - (The monthly total operating time for testing or maintenance). [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system at the approved frequency. The owner or operator shall maintain on site and record the following information: 1. Once per month, the total operating time from the generator's hour meter, the fuel usage (cubic feet per month), and the hours of operation for emergency use (per month), and during power disruption from CRM. Document if the emergency use was due to internal or external loss of primary source of energy, or due to a fire or flood. If internal loss at the facility, document the emergency and/or CRM that occurred, the damages to the primary source of energy and the amount of time needed for repairs. 2. For each time the emergency generator is specifically operated for testing or maintenance: i. The reason for its operation; ii. The date(s) of operation and the start up and shut down time; iii. The total operating time for testing or maintenance based on the generator's hour meter; and iv. The name of the operator; and 3. If a voltage reduction is the reason for the use of the emergency generator, a copy of the voltage reduction notification from PJM or other documentation of the voltage reduction. The owner or operator of an emergency generator shall maintain the above records for a period no less than 5 years after the record was made and shall make the records readily available to the Department or the EPA upon request. [N.J.A.C. 7:27-22.16(o)] & [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
7	This emergency generator shall not be used: 1. For normal testing and maintenance on days when the Department forecasts air quality anywhere in New Jersey to be "unhealthy for sensitive groups," "unhealthy," or "very unhealthy" as defined in the EPA's Air Quality Index at http://airnow.gov/, as supplemented or amended and incorporated herein by reference, unless required in writing by a Federal or State law or regulation. Procedures for determining the air quality forecasts for New Jersey are available at the Department's air quality permitting web site at http://www.state.nj.us/dep/aqpp/aqforecast; and 2. As a source of energy or power after the primary energy or power source has become operable again after emergency or after power disruption resulted from construction, repair, or maintenance activity. Operation of the emergency generator during construction, repair, or maintenance activity shall be limited to no more than 30 days of operation per calendar year. If the primary energy or power source is under the control of the owner or operator of the emergency generator, the owner or operator shall make a reasonable, timely effort to repair the primary energy or power source. [N.J.A.C. 7:27-19.2(d)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
8	The Emergency Generator may be operated at other locations (within the State of New Jersey) only in the event of an emergency, as defined at N.J.A.C. 7:27-19.1. [N.J.A.C. 7:27-22.16(a)]	Monitored by hour/time monitor upon occurrence of event. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. 1. For each time the emergency generator is operated at a location other than the facility for which it is originally permitted in the event of an emergency, the Permittee of the emergency generator shall record the following: i) Document the location (name of facility with address) where the emergency generator is operated; ii) Document the emergency that occurred and describe whether the emergency was due to internal or external loss of primary source of energy at the location; iii) If emergency is due to internal loss at the location, document the damages to the primary source of energy and the amount of time needed for repairs; iv) Document the date(s) of operation and the start up and shut down time on each date; v) Document the total operating time at the location based on the generator's hour meter and the total amount of fuel and fuel type used for the duration of the emergency; vi)The name and contact information of the operator of the emergency generator at the location. 2. If a voltage reduction is the reason for the use of the emergency generator, a copy of the voltage reduction notification from PJM or other documentation of the voltage reduction. The Permittee of the emergency generator shall have the above records on site within 30 days of the occurrence of the emergency event, maintain the record for a period of no less than 5 years after the record was made, and shall make the records readily available to the Department or the EPA upon request. [N.J.A.C. 7:27-22.16(o)]	Submit notification: Upon occurrence of event the Permittee of the emergency generator must submit the Recordkeeping Requirements to the Department within 30 days of the occurrence of the emergency event. [N.J.A.C. 7:27-22.16(o)]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
9	Hours of Operation <= 100 hr/yr for normal testing and maintenance. [N.J.A.C. 7:27-22.16(a)]	Hours of Operation: Monitored by hour/time monitor upon occurrence of event. [N.J.A.C. 7:27-22.16(o)]	Hours of Operation: Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The owner or operator shall maintain on site and record the following information: For each time the emergency generator is specifically operated for testing or maintenance: i. The reason for its operation; ii. The date(s) of operation and the start up and shut down time; iii. The total operating time for testing or maintenance based on the generator's hour meter; and iv. The name of the operator. [N.J.A.C. 7:27-19.11]	None.
10	VOC (Total) <= 0.042 tons/yr. Annual emission limit based on hours of operation. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
11	NOx (Total) <= 1.41 tons/yr. Annual emission limit based on hours of operation. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
12	CO <= 1.29 tons/yr. Annual emission limit based on hours of operation. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
13	TSP <= 0.0032 tons/yr. Annual emission limit based on hours of operation. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
14	PM-10 (Total) <= 0.013 tons/yr. Annual emission limit based on hours of operation. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
15	PM-2.5 (Total) <= 0.013 tons/yr. Annual emission limit based on hours of operation. [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
16	The owner or operator shall change the oil and filter per manufacturer's recommended procedures and maintenance schedule. [N.J.A.C. 7:27-22.16(a)]	None.	Other: The owner or operator must keep records of the date and the hour meter reading at the time of each oil and filter replacement event. All records shall be maintained for a period of no less than five years and made readily accessible to the Department upon request. [N.J.A.C. 7:27-22.16(o)].	None.
17	The owner or operator shall inspect the spark plugs per manufacturer's recommended procedures and maintenance schedule, and replace as necessary. [N.J.A.C. 7:27-22.16(a)]	None.	Other: The owner or operator must keep records of the date and the hour meter reading at the time of each spark plugs inspection and/or replacement event. All records shall be maintained for a period of no less than five years and made readily accessible to the Department upon request. [N.J.A.C. 7:27-22.16(o)].	None.
18	The owner or operator shall inspect all hoses and belts per manufacturer's recommended procedures and maintenance schedule, and replace as necessary. [N.J.A.C. 7:27-22.16(a)]	None.	Other: The owner or operator must keep records of the date and the hour meter reading at the time of each hoses/belts inspection and/or replacement event. All records shall be maintained for a period of no less than five years and made readily accessible to the Department upon request. [N.J.A.C. 7:27-22.16(o)].	None.
19	The owner or operator of an emergency SI RICE constructed or reconstructed before June 12, 2006 shall change oil and filter every 500 hours of operation or annually, whichever comes first, as prescribed in Table 2d, item 5 to Subpart ZZZZ of 40 CFR 63 (MACT Subpart ZZZZ). [40 CFR 63.6603(a)]	Other: The owner or operator shall change oil and filter every 500 hours of operation or annually, whichever comes first. The owner or operator has an option of utilizing an oil analysis program, at the same frequency specified for changing the oil, in order to extend the specified oil change requirement, per 40 CFR 63.6625(j). The owner or operator must develop and follow a maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions, in accordance with Table 6 item 9 to Subpart ZZZZ of 40 CFR 63. [40 CFR 63.6640(a)].	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The owner or operator must keep records of the oil and filter change. Each record must be readily accessible for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.6660(c) and 40 CFR 63.10(b)(1). [40 CFR 63.6655(e)(2)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
20	The owner or operator of an emergency SI RICE constructed or reconstructed before June 12, 2006 shall inspect spark plugs every 1,000 hours of operation or annually, whichever comes first; and inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary, as prescribed in Table 2d, item 5b and 5c to Subpart ZZZZ of 40 CFR 63 (MACT Subpart ZZZZ). [40 CFR 63.6603(a)]	Other: The owner or operator shall inspect spark plugs every 1,000 hours of operation or annually, whichever comes first; and inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, The owner or operator must develop and follow a maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions, in accordance with Table 6 item 9 to Subpart ZZZZ of 40 CFR 63. [40 CFR 63.6640(a)].	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The owner or operator must keep records of the maintenance procedures and spark plugs, belt and hoses replacements events. Each record must be readily accessible for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.6660(c) and 40 CFR 63.10(b)(1). [40 CFR 63.6655(e)(2)]	None.
21	The engine must be in compliance with all applicable emission limitations and operating limitations in Subpart ZZZZ of 40 CFR 63 at all times (MACT Subpart ZZZZ). [40 CFR 63.6605(a)]	None.	None.	None.
22	At all times the owner or operator must operate and maintain a RICE including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions (MACT Subpart ZZZZ). [40 CFR 63.6605(b)]	None.	None.	None.
23	An owner or operator of a stationary emergency RICE must operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or the owner or operator must develop a maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions (MACT Subpart ZZZZ). [40 CFR 63.6625(e)]	Other: Monitored according to the manufacturer's emission-related written instructions or the maintenance plan developed by the owner or operator. [40 CFR 63.6625(e)].	Other: The owner or operator must keep records of the maintenance procedures. Each record must be readily accessible for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.6660(c) and 40 CFR 63.10(b)(1). [40 CFR 63.6655(e)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
24	The owner or operator must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes (MACT Subpart ZZZZ). [40 CFR 63.6625(h)]	Other: The owner or operator must develop and follow a maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions, in accordance with Table 6 item 9 to Subpart ZZZZ of 40 CFR 63. [40 CFR 63.6640(a)].	Other: The owner or operator must keep records of the maintenance procedures and replacements events. Each record must be readily accessible for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.6660(c) and 40 CFR 63.10(b)(1). [40 CFR 63.6655(e)].	None.
25	The owner or operator may operate an emergency stationary RICE for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks and readiness testing of such units is limited to 100 hours per year. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency RICE beyond 100 hours per year (MACT Subpart ZZZZ). [40 CFR 63.6640(f)(2i)]	Monitored by hour/time monitor continuously. The owner or operator of an emergency stationary internal combustion engine must install a non-resettable hour meter if one is not already installed. [40 CFR 63.6625(f)]	Recordkeeping by manual logging of parameter or storing data in a computer data system annually. The owner or operator must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The owner or operator must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. [40 CFR 63.6655(f)(2)]	None.
26	The owner or operator shall comply with the General Provisions as shown in Table 8 to Subpart ZZZZ of 40 CFR 63 that apply to an existing emergency or black start SI RICE constructed or reconstructed before June 12, 2006 and located at an area source of HAP emissions except for a residential, commercial, or institutional emergency stationary RICE (MACT Subpart ZZZZ). [40 CFR 63.6665]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U6 EG-004-5 Emergency Generator 480 kW**
Operating Scenario: **OS1 6.932 MMBTU/hr (HHV) Emerg. Gen. (480 kW) Natural Gas, 100 hrs/yr**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	VOC (Total) <= 0.83 lb/hr. Maximum emission rate based on emission factor (0.12 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
2	NOx (Total) <= 28.28 lb/hr. Maximum emission rate based on emission factor (4.08 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	CO <= 25.79 lb/hr. Maximum emission rate based on emission factor (3.72 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	TSP <= 0.063 lb/hr. Maximum emission rate based on emission factor (0.0091 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	PM-10 (Total) <= 0.27 lb/hr. Maximum emission rate based on emission factor (0.0384 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	PM-2.5 (Total) <= 0.27 lb/hr. Maximum emission rate based on emission factor (0.0384 lb/MMBTU). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U51 Middlbury Marshall Oven**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.5 lb/hr (PT5101). [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
2	Opacity <= 20 % except for emissions which are greater than 20% opacity, exclusive of condensed water vapor, for a period of not longer than three (3) minutes in any consecutive 30-minute period. [N.J.A.C. 7:27- 6.2(d)]	None.	None.	None.
3	Maximum Gross Heat Input <= 1.98 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
4	Hours of Operation <= 2,920 hr/yr based on 2,555 hour/yr of bread loaf production and 365 hr/yr of oven start-up. [N.J.A.C. 7:27-22.16(a)]	Hours of Operation: Monitored by hour/time monitor daily, based on a consecutive 12 month period (rolling 1 month basis). The permittee shall install, calibrate, and maintain the monitor(s) in accordance with the manufacturer's specifications. [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 daily. [N.J.A.C. 7:27-22.16(o)]	None.
5	Total Production Rate <= 1,773.9 tons/yr of bread loaves based on weight per unit (0.00075 tons/unit), daily bread loaf production (6,480 units/day), and 365 days/yr. [N.J.A.C. 7:27-22.16(a)]	Total Production Rate: Monitored by material feed/flow monitoring continuously. [N.J.A.C. 7:27-22.16(o)]	Total Production Rate: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.
6	Natural Gas Usage <= 5.67 MMft^3/yr based on maximum gross heat input (1.98 MMBTU/hr), natural gas content (1,020 BTU/ft^3), and oven hours of operation (2,920 hr/yr). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	Yeast in Dough <= 1.46 % per unit based on yeast weight per unit (0.35 oz) and weight per unit (24 oz). [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	VOC (Total) <= 3.04 tons/yr. Annual emission limit based on VOC lb/hr (2.38 lb/hr) and hours of operation of bread loaf production (2,555 hr/yr). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	NOx (Total) <= 0.28 tons/yr. Annual emission limit based on NOx lb/hr (2.38 lb/hr) and hours of operation of oven (2,920 hr/yr). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U51 Middlbury Marshall Oven**
Operating Scenario: **OS1 Middlebury Marshall Oven**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	VOC (Total) <= 3.5 lb/hr. [N.J.A.C. 7:27-16.16(c)]	VOC (Total): Monitored by calculations once initially, based on a 1 hour block average [N.J.A.C. 7:27-16.16(g)1ii]	VOC (Total): Recordkeeping by manual logging of parameter once initially. For each different kind of batch or continuous process for which the source operation is used the permittee shall record the following information in accordance with the Procedure for Using Table 16A: 1.The chemical name and vapor pressure of each VOC used, 2. The percent concentration by volume of VOC in the source gas, 3. The volumetric gas flow rate, 4. The source gas range classification, 5. The maximum allowable emission rate, 6. The maximum actual emission rate for each process and maintain the calculations and any test data used to determine the actual emission rate for each process, 7. Record the dates on which the source operation is used for each process. Alternatively, the permittee shall maintain process records sufficient to demonstrate whether the VOC emission rate from actual operations after any control does not exceed the VOC emission rate under worst case operating conditions. [N.J.A.C. 7:27-16.16(g)1]	None.
2	VOC (Total) <= 3.432 lb/ton of bread loaf units. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	VOC (Total) <= 2.38 lb/hr. Maximum emission rate based on bread loaf units per day (6,480 unit/day), weight per unit (0.00075 ton/unit), VOC emissions in lb per ton of unit (3.432 lb/ton), and hr/day of bread loaf production (7 hr/day). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
4	NOx (Total) <= 0.19 lb/hr. Maximum emission rate based on AP-42 emission factor (100 lb/MMft^3) and hourly natural gas usage (0.001941176 MMft^3/hr). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	TSP < 0.05 lb/hr (below reporting threshold). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U52 Revent Oven**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.5 lb/hr. [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
2	Opacity <= 20 % except for emissions which are greater than 20% opacity, exclusive of condensed water vapor, for a period of not longer than three (3) minutes in any consecutive 30-minute period. [N.J.A.C. 7:27- 6.2(d)]	None.	None.	None.
3	Maximum Gross Heat Input <= 0.5 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
4	Hours of Operation <= 2,920 hr/yr based on 2,555 hour/yr of roll production and 365 hr/yr of oven start-up. [N.J.A.C. 7:27-22.16(a)]	Hours of Operation: Monitored by hour/time monitor daily, based on a consecutive 12 month period (rolling 1 month basis). The permittee shall install, calibrate, and maintain the monitor(s) in accordance with the manufacturer's specifications. [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 daily. [N.J.A.C. 7:27-22.16(o)]	None.
5	Total Production Rate <= 258.7 tons/yr of rolls based on weight per unit (0.0000625 tons/unit), daily roll production (11,340 units/day), and 365 days/yr. [N.J.A.C. 7:27-22.16(a)]	Total Production Rate: Monitored by material feed/flow monitoring continuously. [N.J.A.C. 7:27-22.16(o)]	Total Production Rate: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.
6	Natural Gas Usage <= 1.43 MMft^3/yr based on maximum gross heat input (0.5 MMBTU/hr), natural gas content (1,020 BTU/ft^3), and oven hours of operation (2,920 hr/yr). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	Yeast in Dough <= 1.75 % per unit based on yeast weight per unit (0.035 oz) and weight per unit (2 oz). [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	VOC (Total) <= 0.48 tons/yr. Annual emission limit based on VOC lb/hr (0.38 lb/hr) and hours of operation of roll production (2,555 hr/yr). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U52 Revent Oven**
Operating Scenario: **OS1 Revent Oven**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	VOC (Total) <= 3.5 lb/hr. [N.J.A.C. 7:27-16.16(c)]	VOC (Total): Monitored by calculations once initially, based on a 1 hour block average [N.J.A.C. 7:27-16.16(g)1ii]	VOC (Total): Recordkeeping by manual logging of parameter once initially. For each different kind of batch or continuous process for which the source operation is used the permittee shall record the following information in accordance with the Procedure for Using Table 16A: 1.The chemical name and vapor pressure of each VOC used, 2. The percent concentration by volume of VOC in the source gas, 3. The volumetric gas flow rate, 4. The source gas range classification, 5. The maximum allowable emission rate, 6. The maximum actual emission rate for each process and maintain the calculations and any test data used to determine the actual emission rate for each process, 7. Record the dates on which the source operation is used for each process. Alternatively, the permittee shall maintain process records sufficient to demonstrate whether the VOC emission rate from actual operations after any control does not exceed the VOC emission rate under worst case operating conditions. [N.J.A.C. 7:27-16.16(g)1]	None.
2	VOC (Total) <= 3.709 lb/ton of roll units. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	VOC (Total) <= 0.38 lb/hr. Maximum emission rate based on roll units per day (11,340 unit/day), weight per unit (0.0000625 ton/unit), VOC emissions in lb per ton of unit (3.709 lb/ton), and hr/day of roll production (7 hr/day). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	TSP < 0.05 lb/hr (below reporting threshold). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U53 Cutler Oven**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.5 lb/hr. [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
2	Opacity <= 20 % except for emissions which are greater than 20% opacity, exclusive of condensed water vapor, for a period of not longer than three (3) minutes in any consecutive 30-minute period. [N.J.A.C. 7:27- 6.2(d)]	None.	None.	None.
3	Maximum Gross Heat Input <= 0.73 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
4	Hours of Operation <= 2,920 hr/yr based on 2,555 hour/yr of roll production and 365 hr/yr of oven start-up. [N.J.A.C. 7:27-22.16(a)]	Hours of Operation: Monitored by hour/time monitor daily, based on a consecutive 12 month period (rolling 1 month basis). The permittee shall install, calibrate, and maintain the monitor(s) in accordance with the manufacturer's specifications. [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 daily. [N.J.A.C. 7:27-22.16(o)]	None.
5	Total Production Rate <= 402.4 tons/yr of rolls based on weight per unit (0.0000625 tons/unit), daily roll production (17,640 units/day), and 365 days/yr. [N.J.A.C. 7:27-22.16(a)]	Total Production Rate: Monitored by material feed/flow monitoring continuously. [N.J.A.C. 7:27-22.16(o)]	Total Production Rate: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.
6	Natural Gas Usage <= 2.09 MMft^3/yr based on maximum gross heat input (0.73 MMBTU/hr), natural gas content (1,020 BTU/ft^3), and oven hours of operation (2,920 hr/yr). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	Yeast in Dough <= 1.75 % per unit based on yeast weight per unit (0.035 oz) and weight per unit (2 oz). [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	VOC (Total) <= 0.75 tons/yr. Annual emission limit based on VOC lb/hr (0.58 lb/hr) and hours of operation of roll production (2,555 hr/yr). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	NOx (Total) <= 0.1 tons/yr. Annual emission limit based on NOx lb/hr (0.07 lb/hr) and hours of operation of oven (2,920 hr/yr). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U53 Cutler Oven**
Operating Scenario: **OS1 Cutler Oven**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	VOC (Total) <= 3.5 lb/hr. [N.J.A.C. 7:27-16.16(c)]	VOC (Total): Monitored by calculations once initially, based on a 1 hour block average [N.J.A.C. 7:27-16.16(g)1ii]	VOC (Total): Recordkeeping by manual logging of parameter once initially. For each different kind of batch or continuous process for which the source operation is used the permittee shall record the following information in accordance with the Procedure for Using Table 16A: 1.The chemical name and vapor pressure of each VOC used, 2. The percent concentration by volume of VOC in the source gas, 3. The volumetric gas flow rate, 4. The source gas range classification, 5. The maximum allowable emission rate, 6. The maximum actual emission rate for each process and maintain the calculations and any test data used to determine the actual emission rate for each process, 7. Record the dates on which the source operation is used for each process. Alternatively, the permittee shall maintain process records sufficient to demonstrate whether the VOC emission rate from actual operations after any control does not exceed the VOC emission rate under worst case operating conditions. [N.J.A.C. 7:27-16.16(g)1]	None.
2	VOC (Total) <= 3.709 lb/ton of roll units. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	VOC (Total) <= 0.58 lb/hr. Maximum emission rate based on roll units per day (17,640 unit/day), weight per unit (0.0000625 ton/unit), VOC emissions in lb per ton of unit (3.709 lb/ton), and hr/day of roll production (7 hr/day). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
4	NOx (Total) <= 0.07 lb/hr. Maximum emission rate based on AP-42 emission factor (100 lb/MMft^3) and hourly natural gas usage (0.000715686 MMft^3/hr). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	TSP < 0.05 lb/hr (below reporting threshold). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1002 Ten Emergency Generators, subject to NSPS Subpart IIII**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Summary of Federal Requirements: 40 CFR 60 Subpart A 40 CFR 60 Subpart IIII [40 CFR Federal Rules Summary]	None.	None.	None.
2	Opacity <= 20 % , exclusive of visible condensed water vapor, except for a period of not longer than 10 consecutive seconds. [N.J.A.C. 7:27- 3.5]	None.	None.	None.
3	Opacity <= 10 % , exclusive of visible condensed water vapor, except for a period of not longer than 10 consecutive seconds. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
4	Sulfur Content in Fuel <= 15 ppmw (0.0015% by weight). [N.J.A.C. 7:27-9.2(b)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	None.
5	Fuel stored in New Jersey that met the applicable maximum sulfur content standard of Tables 1A or 1B of N.J.A.C. 7:27-9.2 at the time it was stored in New Jersey may be used in New Jersey after the operative date of the applicable standard in Table 1B. [N.J.A.C. 7:27- 9.2(b)]	None.	None.	None.
6	Generator fuel limited to diesel fuel. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	FOR OPERATING PERMITS ONLY Each emergency generator shall be located at the facility and produce mechanical or thermal energy, or electrical power exclusively for use at the facility. This emergency generator shall be operated only: 1. During the performance of normal testing and maintenance procedures, as recommended in writing by the manufacturer and/or as required in writing by a Federal or State law or regulation, 2. When there is power outage or the primary source of mechanical or thermal energy fails because of an emergency, or when the power disruption resulted from construction, repair, or maintenance activity (CRM) at the facility. Operation of the emergency generator under construction, repair, or maintenance activity is limited to 30 days in any calendar year; or 3. When there is a voltage reduction issued by PJM and posted on the PJM internet website (www.pjm.com) under the "emergency procedures" menu. [N.J.A.C. 7:27-19.1]	Monitored by hour/time monitor continuously. In addition, the owner or operator shall monitor, once per month, the total operating time from the generator's hour meter; hours of operation for emergency use; hours of operation for testing and maintenance; hours of operation during power disruption resulted from construction, repair and maintenance activity (CRM) at the facility; and the total fuel usage calculated by the following: Fuel Usage (Gallons per month) = (Hours of operation per month) x (Maximum emergency generator fuel usage rate in gallons per hour). Hours of operation for emergency use (per month) = (The monthly total operating time from the generator's hour meter) - (The monthly total operating time for testing and maintenance) – (The monthly total operating time due to power disruption resulted from construction, repair, or maintenance activity not counting operation during the performance of normal testing and maintenance procedures). [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system at the approved frequency. Record the following information: 1. Once per month, the total operating time from the generator's hour meter, the fuel usage (gallons per month), and the monthly hours of operation for emergency use and during power disruption from CRM. Document if the emergency use was due to internal or external loss of primary source of energy, or due to a fire or flood. If internal loss at the facility, document the emergency and/or CRM that occurred, the damages to the primary source of energy and the amount of time needed for repairs. 2. For each time the emergency generator is specifically operated for testing or maintenance: i. The reason for its operation; ii. The date(s) of operation and the start up and shut down time; iii. The total operating time for testing or maintenance based on the generator's hour meter; and iv. The name of the operator; and 3. If a voltage reduction is the reason for the use of the emergency generator, a copy of the voltage reduction notification from PJM or other documentation of the voltage reduction. The owner or operator of shall maintain the above records for at least 5 years after the record was made and shall make the records readily available to the Department or the EPA. [N.J.A.C. 7:27-22.16(o)] and [N.J.A.C. 7:27-19.11]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

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

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
9	The Emergency Generator may be operated at other locations (within the State of New Jersey) only in the event of an emergency, as defined at N.J.A.C. 7:27-19.1. [N.J.A.C. 7:27-22.16(a)]	Monitored by hour/time monitor upon occurrence of event. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. 1. For each time the emergency generator is operated at a location other than the facility for which it is originally permitted in the event of an emergency, the Permittee of the emergency generator shall record the following: i) Document the location (name of facility with address) where the emergency generator is operated; ii) Document the emergency that occurred and describe whether the emergency was due to internal or external loss of primary source of energy at the location; iii) If emergency is due to internal loss at the location, document the damages to the primary source of energy and the amount of time needed for repairs; iv) Document the date(s) of operation and the start up and shut down time on each date; v) Document the total operating time at the location based on the generator's hour meter and the total amount of fuel and fuel type used for the duration of the emergency; vi)The name and contact information of the operator of the emergency generator at the location. 2. If a voltage reduction is the reason for the use of the emergency generator, a copy of the voltage reduction notification from PJM or other documentation of the voltage reduction. The Permittee of the emergency generator shall have the above records on site within 30 days of the occurrence of the emergency event, maintain the record for a period of no less than 5 years after the record was made, and shall make the records readily available to the Department or the EPA upon request. [N.J.A.C. 7:27-22.16(o)]	Submit notification: Upon occurrence of event the Permittee of the emergency generator must submit the Recordkeeping Requirements to the Regional Enforcement Office within 30 days of the occurrence of the emergency event. [N.J.A.C. 7:27-22.16(o)]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
10	Hours of Operation <= 100 hr/yr for testing and maintenance. The limit on the allowable hours for testing and maintenance in accordance with the documentation from manufacturer, the vendor, or the insurance company associated with the engine. [N.J.A.C. 7:27-22.16(a)]	Hours of Operation: Monitored by hour/time monitor continuously. [N.J.A.C. 7:27-22.16(o)]	Hours of Operation: Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The owner or operator shall maintain on site and record the following information: For each time the emergency generator is specifically operated for testing or maintenance: i. The reason for its operation; ii. The date(s) of operation and the start up and shut down time; iii. The total operating time for testing or maintenance based on the generator's hour meter; and iv. The name of the operator. [N.J.A.C. 7:27-19.11]	None.
11	VOC (Total) <= 0.35 tons/yr. Annual emission limit based on the permitted hours per year of operation. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
12	NOx (Total) <= 13.89 tons/yr. Annual emission limit based on the permitted hours per year of operation. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
13	CO <= 3.69 tons/yr. Annual emission limit based on the permitted hours per year of operation. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
14	SO2 <= 0.44 tons/yr. Annual emission limit based on the permitted hours per year of operation. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
15	TSP <= 0.63 tons/yr. Annual emission limit based on the permitted hours per year of operation. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
16	PM-10 (Total) <= 0.63 tons/yr. Annual emission limit based on the permitted hours per year of operation. [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
17	PM-2.5 (Total) <= 0.63 tons/yr. Annual emission limit based on the permitted hours per year of operation. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
18	HAPs (Total) <= 0.0011 tons/yr. Annual emission limit based on Benzene. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
19	Benzene <= 0.0011 tons/yr (2.2 lb/yr). Annual emission limit of this HAP based on permitted hours per year (OS501 and OS801). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
20	All requests, reports, applications, submittals, and other communications to the Administrator pursuant to Part 60 shall be submitted in duplicate to United States Environmental Protection Agency. Submit information to: Region II Air Compliance Branch 290 Broadway New York, New York 10007-1866. (NSPS Subpart A) [40 CFR 60.4(a)]	None.	None.	Submit a report: As per the approved schedule to EPA Region II as required by 40 CFR 60. [40 CFR 60.4(a)]
21	Copies of all information submitted to EPA pursuant to 40 CFR Part 60, must also be submitted to the Southern Regional Enforcement Office of NJDEP, located at One Port Center, 2 Riverside Drive, Camden New Jersey 08162. (NSPS Subpart A) [40 CFR 60.4(b)]	None.	None.	Submit a report: As per the approved schedule to the Southern Regional Enforcement Office of NJDEP, as required by 40 CFR 60. [40 CFR 60.4(b)]
22	No owner or operator subject to NSPS standards in Part 60, shall build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere. (NSPS Subpart A) [40 CFR 60.12]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
23	The owner or operator shall notify the Administrator of the proposed replacement of components. (NSPS Subpart A) [40 CFR 60.15]	None.	None.	Submit notification: At a common schedule agreed upon by the operator and the Administrator. The notification shall include information listed under 40 CFR Part 60.15(d). The notification shall be postmarked 60 days (or as soon as practicable) before construction of the replacements is commenced. [40 CFR 60.15(d)]
24	Changes in time periods for submittal of information and postmark deadlines set forth in this subpart, may be made only upon approval by the Administrator and shall follow procedures outlined in 40 CFR Part 60.19. (NSPS Subpart A) [40 CFR 60.19]	None.	None.	None.
25	The owner or operator of a pre-2007 model year emergency generator with a displacement of < 10 liters per cylinder and a maximum engine power of equal to or more than 175 HP (>= 130 kW) must comply with the emissions standards in table 1 to NSPS IIII as follows: NOx <= 6.9 g/HP-hr. (NSPS Subpart IIII) [40 CFR 60.4205(a)]	Other: Monitored by engine manufacturer data.[40 CFR 60.4211(b)(3)].	Other: The owner or operator of a pre 2007 model year engine must keep documentation demonstrating compliance with the applicable emission standards, for the same model year and maximum engine power. [40 CFR 60.4211].	None.
26	The owner or operator of a pre-2007 model year emergency generator with a displacement of < 10 liters per cylinder and a maximum engine power of equal to or more than 175 HP (>= 130 kW) must comply with the emissions standards in table 1 to NSPS IIII as follows: HC <= 1.0 g/HP-hr. (NSPS Subpart IIII) [40 CFR 60.4205(a)]	Other: Monitored by engine manufacturer data.[40 CFR 60.4211(b)(3)].	Other: The owner or operator of a pre 2007 model year engine must keep documentation demonstrating compliance with the applicable emission standards, for the same model year and maximum engine power. [40 CFR 60.4211].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
27	The owner or operator of a pre-2007 model year emergency generator with a displacement of < 10 liters per cylinder and a maximum engine power of equal to or more than 175 HP (>= 130 kW) must comply with the emissions standards in table 1 to NSPS IIII as follows: CO <= 8.5 g/HP-hr. (NSPS Subpart IIII) [40 CFR 60.4205(a)]	Other: Monitored by engine manufacturer data.[40 CFR 60.4211(b)(3)].	Other: The owner or operator of a pre 2007 model year engine must keep documentation demonstrating compliance with the applicable emission standards, for the same model year and maximum engine power. [40 CFR 60.4211].	None.
28	The owner or operator of a pre-2007 model year emergency generator with a displacement of < 10 liters per cylinder and a maximum engine power of equal to or more than 175 HP (>= 130 kW) must comply with the emissions standards in table 1 to NSPS IIII as follows: PM <= 0.40 g/HP-hr. (NSPS Subpart IIII) [40 CFR 60.4205(a)]	Other: Monitored by engine manufacturer data.[40 CFR 60.4211(b)(3)].	Other: The owner or operator of a pre 2007 model year engine must keep documentation demonstrating compliance with the applicable emission standards, for the same model year and maximum engine power. [40 CFR 60.4211].	None.
29	Owners and operators of stationary CI internal combustion engines must operate and maintain stationary CI ICE that achieve the emission standards as required in 40 CFR 60.4204 and 60.4205 according to the manufacturer's written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer, over the entire life of the engine. (NSPS Subpart IIII) [40 CFR 60.4206]	None.	Other: The owner or operator shall keep the manufacturer's written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer, over the entire life of the engine[40 CFR 60.4206].	None.
30	Beginning October 1, 2007, the CI internal combustion engines subject to NSPS IIII (manufactured after April 1, 2006 or modified or reconstructed after July 11, 2005) that use diesel fuel must use diesel fuel that meets the requirements of 40 CFR 80.510(a) that contains the following per gallon standards: 500 ppm (0.05 percent) maximum sulfur content and either a minimum cetane index of 40 or a maximum aromatic content of 35 volume percent. (NSPS Subpart IIII) [40 CFR 60.4207(a)]	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. 7:27-22.16(o)]	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. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
31	Beginning October 1, 2010, the CI internal combustion engines with a displacement of less than 30 liters per cylinder subject to NSPS IIII (manufactured after April 1, 2006 or modified or reconstructed after July 11, 2005) that use diesel fuel must use diesel fuel that meets the requirements of 40 CFR 80.510(b) 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. (NSPS Subpart IIII) [40 CFR 60.4207(b)]	Monitored by review of fuel delivery records once per bulk fuel shipment. For each diesel delivery received, the owner or operator shall review written documentation of the delivery to ensure the maximum allowable fuel oil sulfur content and either a minimum cetane index or a maximum aromatic content is not being exceeded. Such written documentation can include, but is not limited to: bill of lading, delivery invoice, certificate of analysis. [N.J.A.C. 7:27-22.16(o)]	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. 7:27-22.16(o)]	None.
32	The owner or operator that must comply with the emission standards specified in NSPS IIII must operate and maintain the stationary CI internal combustion engine and control device according to the manufacturer's written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer. In addition, owners and operators may only change those settings that are permitted by the manufacturer. The owner or operator must also meet the requirements of 40 CFR parts 89, 94 and/or 1068, as applicable. (NSPS Subpart IIII) [40 CFR 60.4211(a)]	None.	Other: The owner or operator shall keep the manufacturer's written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer.[N.J.A.C. 7:27-22.16(o)].	None.
33	The owner or operator of a pre 2007 model year engine which was manufactured after April 1, 2006 or modified or reconstructed after July 11, 2005 must comply with emissions standards in 40 CFR 60.4204(a) or 60.4205(a) and must demonstrate compliance by purchasing an engine certified according to 40 CFR part 89 or 40 CFR part 94, as applicable, for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's specifications. (NSPS Subpart IIII) [40 CFR 60.4211(b)(1)]	Other: Monitored by engine manufacturer data.[40 CFR 60.4211(b)(3)].	Other: The owner or operator must keep documentation for the life of the equipment from the manufacturer that the engine is certified to meet the emission standards.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
34	Emergency stationary ICE may be operated for the purpose of maintenance checks and readiness testing, provided the tests are recommended by Federal, State, or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks and readiness testing of such units is limited to 100 hours per year. There is no time limit on the use of emergency stationary ICE in emergency situations. Anyone may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency ICE beyond 100 hours per year. For owners and operators of emergency engines meeting the standards under 40 CFR 60.4205 but not 40 CFR 60.4204, any operation other than emergency operation, and maintenance and testing as permitted in 40 CFR Subpart IIII, is prohibited (NSPS Subpart IIII). [40 CFR 60.4211(e)]	Monitored by hour/time monitor continuously. The owner or operator shall install a non-resettable hour meter prior to startup of the engine. [40 CFR 60.4209(a)]	Recordkeeping by manual logging of parameter or storing data in a computer data system at the approved frequency. The owner or operator shall maintain on site and record in a logbook or computer data system each time the emergency generator is specifically operated for testing or maintenance, the following information: i. The reason for its operation; ii. The date(s) of operation and the start up and shut down time; iii. The total operating time for testing or maintenance based on the generator's hour meter; and iv. The name of the operator. [N.J.A.C. 7:27-22.16(o)]	None.
35	A new or reconstructed stationary RICE located at an area HAP source must meet the requirements of 40 CFR 63 by meeting the requirements of 40 CFR 60 subpart IIII, for compression ignition engines or 40 CFR 60 subpart JJJJ, for spark ignition engines. No further requirements apply for such engines under 40 CFR 63. [40 CFR 63.6590(c)]	Other: Comply with all applicable provisions at NSPS IIII. [40 CFR 63].	Other: Comply with all applicable provisions at NSPS IIII. [40 CFR 63].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1002 Ten Emergency Generators, subject to NSPS Subpart IIII**
Operating Scenario: **OS501 Diesel Fuel, OS801 Diesel Fuel**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 6.96 lb/hr (PT5 & PT8, each). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 14.8 MMBTU/hr (HHV) (each). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	VOC (Total) <= 1.21 lb/hr (each). Maximum emission rate based on AP-42 emission factor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	NOx (Total) <= 47.36 lb/hr (each). Maximum emission rate based on AP-42 emission factor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	CO <= 12.58 lb/hr (each). Maximum emission rate based on AP-42 emission factor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	SO2 <= 1.49 lb/hr (each). Maximum emission rate based on AP-42 emission factor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP <= 1.48 lb/hr (each). Maximum emission rate based on AP-42 emission factor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	PM-10 (Total) <= 1.48 lb/hr (each). Maximum emission rate based on AP-42 emission factor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	PM-2.5 (Total) <= 1.48 lb/hr (each). Maximum emission rate based on AP-42 emission factor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
10	Benzene <= 0.011 lb/hr (each). Maximum emission rate of this HAP based on AP-42 emission factor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1002 Ten Emergency Generators, subject to NSPS Subpart IIII**

Operating Scenario: **OS2101 Diesel Fuel, OS2201 Diesel Fuel, OS2301 Diesel Fuel, OS2401 Diesel Fuel, OS2501 Diesel Fuel, OS2701 Diesel Fuel, OS2801 Diesel Fuel**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 4.62 lb/hr (PT21-25 & PT27-28, each). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 7.7 MMBTU/hr (HHV) (each). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	VOC (Total) <= 0.63 lb/hr (each). Maximum emission rate based on AP-42 emission factor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	NOx (Total) <= 24.64 lb/hr (each). Maximum emission rate based on AP-42 emission factor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	CO <= 6.5 lb/hr (each). Maximum emission rate based on AP-42 emission factor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	SO2 <= 0.78 lb/hr (each). Maximum emission rate based on AP-42 emission factor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP <= 0.77 lb/hr (each). Maximum emission rate based on AP-42 emission factor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	PM-10 (Total) <= 0.77 lb/hr (each). Maximum emission rate based on AP-42 emission factor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	PM-2.5 (Total) <= 0.77 lb/hr (each). Maximum emission rate based on AP-42 emission factor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1002 Ten Emergency Generators, subject to NSPS Subpart IIII**
Operating Scenario: **OS2802 One - 3.29 MMBTU/hr Emer. Gen. (E2601)**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.97 lb/hr (PT26). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 3.29 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	VOC (Total) <= 0.26 lb/hr. Maximum emission rate based on AP-42 emission factor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	NOx (Total) <= 10.53 lb/hr. Maximum emission rate based on AP-42 emission factor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	CO <= 2.8 lb/hr. Maximum emission rate based on AP-42 emission factor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	SO2 <= 0.33 lb/hr. Maximum emission rate based on AP-42 emission factor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP <= 0.33 lb/hr. Maximum emission rate based on AP-42 emission factor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	PM-10 (Total) <= 0.33 lb/hr. Maximum emission rate based on AP-42 emission factor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	PM-2.5 (Total) <= 0.33 lb/hr. Maximum emission rate based on AP-42 emission factor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1004 Two Boilers (33.5 MMBTU/hr each), firing Natural Gas and #2 Fuel Oil (Separate Stacks)**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Summary of Federal Requirements: 40 CFR 60 Subpart A 40 CFR 60 Subpart Dc 40 CFR 63 Subpart A 40 CFR 63 Subpart JJJJJJ [40 CFR Federal Rules Summary]	None.	None.	None.
2	Particulate Emissions <= 9.4 lb/hr (PT6 & PT15, each). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.

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Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
3	The owner or operator of an industrial/commercial/institutional boiler or other indirect heat exchanger with a gross heat input of at least five million BTU per hour or more shall adjust the combustion process annually in the same quarter of each calendar year. If the source is not operated during the quarter of the calendar year in which the annual adjustment is to be performed, the owner or operator shall perform the adjustment within seven days after the boiler or other indirect heat exchanger is next operated. The adjustment of the combustion process shall be done in accordance with the procedure set forth at N.J.A.C. 7:27-19.16. [N.J.A.C. 7:27-16.8(b)], [N.J.A.C. 7:27-16.8(c)] and [N.J.A.C. 7:27-19.7(g)]	Monitored by periodic emission monitoring annually. The owner or operator shall perform the adjustment of the combustion process in accordance with the combustion adjustment monitoring procedures specified in NJDEP Technical Manual 1005 and the procedure at N.J.A.C. 7:27-19.16(a) as follows: 1.Inspect the burner, and clean or replace any components of the burner as necessary; 2. Inspect the flame pattern and make any adjustments to the burner necessary to optimize the flame pattern consistent with the manufacturer's specifications; 3. Inspect the system controlling the air-to-fuel ratio, and ensure that it is correctly calibrated and functioning properly; 4. Minimize the total emissions of NOx and CO consistent with the manufacturer's specifications; 5. Measure the concentrations in the effluent stream of NOx and CO in ppmvd and O2 in percent, before and after the adjustment is made; and 6. Convert the measured emission values of NOx, CO and O2 concentrations to lb/MMBTU according to the following formula: Lb/MMBTU = ppmvd * MW * F dry factor * O2 correction factor/387,000,000, where: ppmvd is the concentration in parts per million by volume, dry basis, of NOx or CO; MW is the Molecular Weight for NOx=46 lb/lb-mole, CO=28 lb/lb-mole; F Dry factor for: Natural Gas = 8,710 dscf/MMBTU, Residual or fuel oil = 9,190 dscf/MMBTU; O2 correction factor: (20.9%)/(20.9% - O2 measured), where O2 measured is percent oxygen on a dry basis. [N.J.A.C. 7:27-19.16(a)]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon performing combustion adjustment of the following information for each adjustment: 1. The date of the adjustment and the times at which it began and ended; 2. The name, title and affiliation of the person who made the adjustment; 3. The NOx and CO concentrations in the effluent stream, in ppmvd, before and after each actual adjustment was made; 4. The concentration of O2 (in percent dry basis) at which the CO and NOx concentrations were measured; 5. A description of any corrective action taken; 6. Results from any subsequent test performed after taking any corrective action, including concentrations and converted emission values in (lb/MMBTU); 7. The type and amount of fuel used over the 12 months prior to the annual adjustment; 8. Any other information which the Department or the EPA has required as a condition of approval of any permit or certificate issued for the source operation. The records must be retained for a minimum of five years and to be made readily accessible to the Department upon request. [N.J.A.C. 7:27-19.16(b)]	Submit a report: Annually. The owner or operator shall submit an annual adjustment combustion process report to the department within 45 days after the adjustment of the combustion process is completed. The report shall be submitted electronically to: www.njdeponline.com. Instructions for submitting this report online are specified at: http://www.nj.gov/dep/aqpp/adjustment.htm. [N.J.A.C. 7:27-19.16(d)] and [N.J.A.C. 7:27-19.16(c)]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
4	The owner or operator of the adjusted equipment or source operation shall ensure that the operating parameter settings are established and recorded after the combustion process is adjusted and that the adjusted equipment or source operation is maintained to operate consistent with the annual adjustment. [N.J.A.C. 7:27-19.16(e)]	Other: Monitored by the operating parameter settings that are established after the combustion process is adjusted in order to operate consistent with the annual adjustment. [N.J.A.C. 7:27-19.16(e)].	Other: The owner or operator shall record the operating parameter settings that are established after the combustion process is adjusted and retain until the next annual adjustment, to be made readily accessible to the Department upon request. [N.J.A.C. 7:27-19.16(e)].	None.
5	The boilers are equipped with Low NOx Burner with flue gas recirculation for both Natural gas and No. 2 fuel oil. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Operate the flue gas recirculation system when the boiler is operating. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	The control of the FGR (flue gas recirculation) system shall be accomplished by the opening and closing of the mechanical flue gas control dampers. The control of the damper shall be through the burner firing rate (natural gas or No. 2 fuel oil) control system which will concurrently increase or decrease the combustion air supply. At start-up of the system, the FGR damper position shall be set to minimize CO, Volatile Organic Compounds and NOx emissions. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by the burner firing rate and mechanical damper positioning. The damper settings shall be set during installation and recalibrated on an annual basis to ensure optimum performance.[N.J.A.C. 7:27-22.16(o)].	Other: Record damper setting once initially, and after annual recalibration.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
8	Natural Gas Usage <= 503.4 MMft^3/yr (total for both boilers). [N.J.A.C. 7:27-22.16(e)]	Natural Gas Usage: Monitored by fuel flow/firing rate instrument continuously. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of monthly fuel use and consecutive 12-month fuel use for each boiler in readily available facility records or computer files. Each month during operation. Cubic feet per any consecutive 12-month period shall be calculated by the sum of the cubic feet consumed during any one month added to the sum of the cubic feet consumed during the preceding 11 months. Natural Gas Usage: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.
9	Fuel Oil Usage <= 406,996 gal/yr (total for both boilers). [N.J.A.C. 7:27-22.16(e)]	Fuel Oil Usage: Monitored by fuel flow/firing rate instrument continuously. [N.J.A.C. 7:27-22.16(o)]	Fuel Oil Usage: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation Recordkeeping by manual logging of monthly fuel use and consecutive 12-month fuel use for each boiler in readily available facility records or computer files. Each month during operation. Gallons per any consecutive 12-month period shall be calculated by the sum of the gallons consumed during any one month added to the sum of the gallons consumed during the preceding 11 months. [N.J.A.C. 7:27-22.16(o)]	None.
10	Maximum Gross Heat Input <= 33.5 MMBTU/hr (HHV) (each). [N.J.A.C. 7:27-22.16(e)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
11	VOC (Total) <= 1.38 tons/yr. Annual emission limit based on maximum annual fuel use. [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.
12	NOx (Total) <= 25.17 tons/yr. Annual emission limit based on maximum annual fuel use. [N.J.A.C. 7:27-22.16(a)]	NOx (Total): Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	NOx (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.

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Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
13	CO <= 23.04 tons/yr. Annual emission limit based on maximum annual fuel use. [N.J.A.C. 7:27-22.16(a)]	CO: Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	CO: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. Record annual emissions. [N.J.A.C. 7:27-22.16(o)]	None.
14	SO2 <= 0.58 tons/yr. Annual emission limit based on maximum annual fuel use. [N.J.A.C. 7:27-22.16(a)]	SO2: Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	SO2: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.
15	TSP <= 1.91 tons/yr. Annual emission limit based on maximum annual fuel use. [N.J.A.C. 7:27-22.16(a)]	TSP: Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	TSP: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.
16	PM-10 (Total) <= 1.91 tons/yr. Annual emission limit based on maximum annual fuel use. [N.J.A.C. 7:27-22.16(a)]	PM-10 (Total): Monitored by calculations each week during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	PM-10 (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.
17	PM-2.5 (Total) <= 1.91 tons/yr. Annual emission limit based on maximum annual fuel use. [N.J.A.C. 7:27-22.16(a)]	PM-2.5 (Total): Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	PM-2.5 (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.
18	HAPs (Total) <= 0.02 tons/yr (39.6 lb/yr). Annual emission limit based on Arsenic Emissions, Cadmium Emissions, Cobalt Emissions, Dimethylbenz(a)anthracene (7,12-), Formaldehyde, and Nickel Emissions. [N.J.A.C. 7:27-22.16(a)]	HAPs (Total): Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	HAPs (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.
19	Arsenic Emissions <= 0.00005 tons/yr (0.1 lb/yr). Annual emission limit of this HAP. [N.J.A.C. 7:27-22.16(a)]	Arsenic Emissions: Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	Arsenic Emissions: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.
20	Cadmium Emissions <= 0.00028 tons/yr (0.55 lb/yr). Annual emission limit of this HAP. [N.J.A.C. 7:27-22.16(a)]	Cadmium Emissions: Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	Cadmium Emissions: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
21	Cobalt Emissions <= 0.000021 tons/yr (0.042 lb/yr). Annual emission limit of this HAP. [N.J.A.C. 7:27-22.16(a)]	Cobalt Emissions: Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	Cobalt Emissions: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.
22	Dimethylbenz(a)anthracene (7,12-) <= 0.000004 tons/yr (0.0081 lb/yr). Annual emissions of this HAP. [N.J.A.C. 7:27-22.16(a)]	Dimethylbenz(a)anthracene (7,12-): Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	Dimethylbenz(a)anthracene (7,12-): Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.
23	Formaldehyde <= 0.019 tons/yr (37.8 lb/yr). Annual emission limit of this HAP. [N.J.A.C. 7:27-22.16(a)]	Formaldehyde: Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	Formaldehyde: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.
24	Nickel Emissions <= 0.00053 tons/yr (1.06 lb/yr). Annual emission limit of this HAP. [N.J.A.C. 7:27-22.16(a)]	Nickel Emissions: Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	Nickel Emissions: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.
25	All requests, reports, applications, submittals, and other communications to the Administrator pursuant to Part 60 shall be submitted in duplicate to the Regional Office of US Environmental Protection Agency. Submit information to: Director, Division of Enforcement & Compliance Assistance, US EPA, Region 2, 290 Broadway, New York, NY 10007-1866. (NSPS Subpart A) [40 CFR 60.4(a)]	None.	None.	Submit a report: As per the approved schedule to EPA Region 2 as required by 40 CFR 60. [40 CFR 60.4(a)]
26	Copies of all information submitted to EPA pursuant to 40 CFR Part 60, must also be submitted to the appropriate Regional Enforcement Office of NJDEP. (NSPS Subpart A) [40 CFR 60.4(b)]	None.	None.	Submit a report: As per the approved schedule to the appropriate Regional Enforcement Office of NJDEP as required by 40 CFR 60. NSPS Subpart A. [40 CFR 60.4(b)]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
27	The owner or operator subject to the provisions of 40 CFR Part 60 shall furnish the Administrator written notification or, if acceptable to both the Administrator and the owner or operator of a source, electronic notification, of the date of construction or reconstruction of an affected facility as defined under 40 CFR Part 60 Subpart A. Notification shall be postmarked no later than 30 days after such date. (NSPS Subpart A) [40 CFR 60.7(a)(1)]	None.	None.	Submit notification: Upon occurrence of event to EPA Region II and the appropriate Regional Enforcement Office of NJDEP as required by 40 CFR 60.7. NSPS Subpart A. [40 CFR 60.7(a)(1)]
28	The owner or operator subject to the provisions of 40 CFR Part 60 shall furnish the Administrator written notification or, if acceptable to both the Administrator and the owner or operator of a source, electronic notification, of the actual date of initial startup of an affected facility postmarked within 15 days after such date. (NSPS Subpart A) [40 CFR 60.7(a)(3)]	None.	None.	Submit notification: Upon occurrence of event to EPA Region II and the appropriate Regional Enforcement Office of NJDEP as required by 40 CFR 60.7. NSPS Subpart A. [40 CFR 60.7(a)(3)]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
29	The owner or operator subject to the provisions of 40 CFR Part 60 shall furnish the Administrator written notification or, if acceptable to both the Administrator and the owner or operator of a source, electronic notification, of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless that change is specifically exempted under an applicable subpart or in section 60.14(e). The notification shall include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of facility before and after the change and the expected completion date of the change. Notification shall be postmarked within 60 days or as soon as practicable before any change is commenced. The Administrator may request additional relevant information subsequent to this notice. (NSPS Subpart A) [40 CFR 60.7(a)(4)]	None.	None.	Submit notification: Upon occurrence of event to EPA Region II and the appropriate Regional Enforcement Office of NJDEP as required by 40 CFR 60.7. NSPS Subpart A. [40 CFR 60.7(a)(4)]
30	The owner or operator subject to the provisions of 40 CFR Part 60 shall furnish the Administrator written notification or, if acceptable to both the Administrator and the owner or operator of a source, electronic notification, of the anticipated date for conducting opacity observations required by paragraph 60.11(e)(1) of 40 CFR 60. The notification shall also include, if appropriate, a request for the Administrator to provide a visible emissions reader during a performance test. The notification shall be postmarked not less than 30 days prior to such date. (NSPS Subpart A) [40 CFR 60.7(a)(6)]	None.	None.	Submit notification: Upon occurrence of event to EPA Region II and the appropriate Regional Enforcement Office of NJDEP as required by 40 CFR 60.7. [40 CFR 60.7(a)(6)]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
31	The owner or operator shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility, any malfunction of air pollution control equipment or any periods during which continuous monitoring system or monitoring device is inoperative. (NSPS Subpart A) [40 CFR 60.7(b)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The records should be kept in a permanent form suitable for inspections. NSPS Subpart A. [40 CFR 60.7(b)]	None.
32	The owner or operator shall maintain a file, suitable for inspection, of all monitoring measurements as indicated in Recordkeeping Requirement column. (NSPS Subpart A) [40 CFR 60.7(f)]	None.	Other: The file shall include all measurements (including continuous monitoring system, monitoring device, and performance testing measurements), all continuous monitoring system performance evaluations, all continuous monitoring system or monitoring device calibration checks, all adjustments/maintenance performed on these systems or devices, and all other information required by 40 CFR Part 60 recorded in a permanent form suitable for inspection. NSPS Subpart A.[40 CFR 60.7(f)].	None.
33	Within 60 days after achieving the maximum production rate at which the affected facility will operate, but not later than 180 days after initial startup of the facility, the owner or operator shall conduct performance test(s) and shall furnish the Administrator a written report of the results. (NSPS Subpart A) [40 CFR 60.8(a)]	None.	None.	Submit a report: At a common schedule agreed upon by the operator and the Administrator. The owner or operator shall submit results of the performance test(s) to the Administrator and the appropriate Regional Enforcement Office of NJDEP. NSPS Subpart A. [40 CFR 60.8(a)]
34	Performance tests shall be conducted and data reduced in accordance with the test methods and procedures contained in each applicable subpart, unless otherwise specified and approved by the Administrator. (NSPS Subpart A) [40 CFR 60.8(b)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
35	Performance tests shall be conducted under conditions the Administrator specifies to the plant operator based on representative performance of the affected facility. Operations during periods of startup, shutdown and malfunction shall not constitute representative conditions for the purpose of the performance test nor shall emissions in excess of the level of the applicable emission limit be considered a violation of the applicable emission limit unless otherwise specified in the applicable standard. (NSPS Subpart A) [40 CFR 60.8(c)]	None.	None.	None.
36	The owner or operator shall provide the Administrator at least 30 days prior notice of any performance test and shall provide adequate performance testing facilities as specified in 40 CFR Part 60.8(e). (NSPS Subpart A) [40 CFR 60.8(d)]	None.	None.	None.
37	Unless otherwise specified in the applicable subpart, each performance test shall consist of three separate runs using the applicable test method. (NSPS Subpart A) [40 CFR 60.8(f)]	None.	None.	None.
38	Compliance with NSPS standards specified in this permit, other than opacity, shall be determined only by performance tests established by 40 CFR 60.8, unless otherwise specified in NSPS. (NSPS Subpart A) [40 CFR 60.11(a)]	None.	None.	None.
39	The owner or operator shall demonstrate compliance with NSPS opacity standards specified in 40 CFR Part 60. (NSPS Subpart A) [40 CFR 60.11(b)]	Monitored by visual determination once initially, based on 6 minute blocks. Testing shall be conducted using Reference Method 9 in Appendix A of NSPS. For purposes of determining initial compliance, the minimum total time of observations shall be 3 hours for the performance test. NSPS Subpart A. [40 CFR 60.11(b)]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The owner or operator shall maintain records of opacity of emissions based on Method 9 observations. NSPS Subpart A. [40 CFR 60.11(e)(2)]	Submit a report: At a common schedule agreed upon by the operator and the Administrator. The owner or operator shall submit results of Method 9 observation data to the Administrator. NSPS Subpart A. [40 CFR 60.11(e)(2)]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
40	The NSPS opacity standard shall apply at all times except during periods of startup, shutdown, malfunctions and as otherwise specified in this permit. (NSPS Subpart A) [40 CFR 60.11(c)]	None.	None.	None.
41	At all times, including periods of start-up, shutdown, and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, opacity observations, review of operation and maintenance procedures, and inspection of the source. (NSPS Subpart A) [40 CFR 60.11(d)]	None.	None.	None.
42	For the purpose of demonstrating initial compliance, opacity observations shall be conducted concurrently with the initial performance test required in 40 CFR Part 60.8. If no performance test is required to be performed, then opacity observations shall be conducted within 60 days after achieving the maximum production rate at which the affected facility will be operated but no later than 180 days after initial startup of the facility. (NSPS Subpart A) [40 CFR 60.11(e)(1)]	None.	None.	Submit notification: As per the approved schedule. The owner or operator shall notify the Administrator of the anticipated date for conducting the opacity observation. The notification shall also include, if appropriate, a request for the Administrator to provide a visible emissions reader during the performance test. The notification shall be postmarked not less than 30 days prior to such a date. NSPS Subpart A. [40 CFR 60.7(a)(6)]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
43	No owner or operator subject to NSPS standards in Part 60, shall build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere. (NSPS Subpart A) [40 CFR 60.12]	None.	None.	None.
44	All continuous monitoring systems or monitoring devices shall be installed such that representative measurements of emissions or process parameters from the affected facility are obtained. Procedures for location of continuous monitoring systems contained in the applicable Performance Specifications of Appendix B of 40 CFR Part 60 shall be used. (NSPS Subpart A) [40 CFR 60.13(f)]	None.	None.	None.
45	Changes in time periods for submittal of information and postmark deadlines set forth in this subpart, may be made only upon approval by the Administrator and shall follow procedures outlined in 40 CFR Part 60.19. (NSPS Subpart A) [40 CFR 60.19]	None.	None.	None.
46	Sulfur Content in Fuel <= 0.5 weight % for affected facility that combusts oil. (NSPS Subpart Dc). [40 CFR 60.42c(d)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records once per bulk fuel shipment. [40 CFR 60.44c(h)]	Sulfur Content in Fuel: Recordkeeping by fuel supplier certifications pursuant to 40 CFR Part 60.48c(f) once per bulk fuel shipment. Records of the name of the oil supplier, a statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil as specified at 40 CFR 60.41c, and the sulfur content of the oil shall be maintained. [40 CFR 60.48c(e)(11)]	Submit a report: Semi-annually beginning on the 30th day of the 6th month following initial performance tests. The owner or operator shall submit fuel supplier certifications, and the owner/operator certification that the fuel supplier's certifications submitted represent all of the fuel combusted during the reporting period. [40 CFR 60.48c(e)(11)]

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Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
47	Opacity <= 20 % except for one 6-minute period per hour of not more than 27% opacity. This opacity standard does not apply during periods of startup, shutdown or malfunction. (NSPS Subpart Dc). [40 CFR 60.43c(c)]	Opacity: Monitored by visual determination at the approved frequency, based on 6 minute blocks. An initial performance test shall be conducted as required at 40 CFR 60.8 and 40 CFR 60.11 using test Method 9 specified at 40 CFR 60.45c(a)(8). The subsequent performance tests shall be conducted according to the applicable schedule in 40 CFR 60.47c(a)(1) as follows: per (a)(1)(i), if no visible emissions are observed during the most recent test a subsequent Method 9 performance test shall be completed within 12 calendar months from the date that the most recent test was conducted or, per (a)(1)(ii through iv), if visible emissions are observed during the most recent test, the frequency of subsequent testing shall be either 6 calendar months, 3 calendar months, or 30 calendar days depending on the results of the most recent test. Per 40 CFR 60.47c(a)2, if the maximum 6-min opacity is less than 10 percent during the most recent Method 9 test, the subsequent performance tests may be conducted, as an alternative to Method 9, by Method 22 on operating days the boiler fires fuel oil for which an opacity standard is applicable. Per 40 CFR 60.47c(a)3, if the maximum 6-min opacity is less than 10 percent during the most recent Method 9 test, the subsequent performance tests may be conducted, as an alternative to Method 9, by a digital opacity compliance system according to a site-specific monitoring plan approved by the EPA Administrator. [40 CFR 60.47c(a)]	Other: Opacity: Recordkeeping by manual logging of visual determination at the approved frequency. If applicable, a copy of the site-specific monitoring plan for a digital opacity compliance system approved by the EPA Administrator per 40 CFR 60.47c(a)(3) shall be kept on site.[40 CFR 60.45c(a)].	Submit a report: Upon occurrence of event. The owner or operator shall submit to the Administrator the performance test data from the initial and any subsequent performance tests. [40 CFR 60.48c(b)]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
48	Opacity <= 20 % except for one 6-minute period per hour of not more than 27% opacity. This opacity standard does not apply during periods of startup, shutdown or malfunction. (NSPS Subpart Dc). [40 CFR 60.43c(c)]	Other: Owners and operators of an affected facilities that burn only distillate oil that contains no more than 0.5 weight percent sulfur and/or liquid or gaseous fuels with potential sulfur dioxide emission rates of 0.060 lb/MMBtu heat input or less and that do not use a post-combustion technology to reduce SO2 or PM emissions and that are subject to an opacity standard in 40 CFR 60.43c(c) shall follow the applicable procedures in 40 CFR 60.48c(f) for fuel certification.[40 CFR 60.47c(c)].	Other: The owner or operator shall comply with the recordkeeping requirements for fuel oil certification. [40 CFR 60.48c(f)].	None.
49	For affected facilities subject to 60.42c(h)(1), (2), or (3), where the owner or operator seeks to demonstrate compliance with SO2 standards based on fuel supplier certification, the performance test shall consist of the certification from the fuel supplier as described under 40 CFR 60.48c(f)(1), (2), or (3), as applicable. (NSPS Subpart Dc) [40 CFR 60.44c(h)]	None.	None.	None.
50	The owner or operator of each affected facility shall submit notification of the date of construction or reconstruction, anticipated startup, and actual startup, as provided by 40 CFR 60.7. This notification shall include information specified in 40 CFR 60.48c(a)1 through (a)4. NSPS Subpart Dc. [40 CFR 60.48c(a)]	None.	None.	Submit a report: Upon occurrence of event. [40 CFR 60.48c(a)]
51	The owner or operator of each affected facility subject to the SO2 emission limits or fuel oil sulfur limits, or percent reduction requirements under 40 CFR 60.42c shall maintain records, and report to the Administrator, all information specified at 40 CFR 60.48c(e). (NSPS Subpart Dc) [40 CFR 60.48c(d)]	None.	Other: The owner or operator shall record all applicable information specified at 40 CFR 60.48c(e)(1) through (e)(11). [40 CFR 60.48c(d)].	Submit a report: Semi-annually beginning on the 30th day of the 6th month following initial performance tests. The owner or operator shall report to the Administrator all applicable information specified at 40 CFR 60.48c(e)(1) through (11). [40 CFR 60.48c(d)]
52	The owner or operator shall record the amount of each fuel combusted in the boiler each operating day. (NSPS Subpart Dc) [40 CFR 60.48c(g)]	Other: Fuel Flow/Firing Rate Instrument. Continuously.[40 CFR 60.48c(g)].	Other: Manual logging of the amounts of fuel combusted each day in a permanently bound logbook. Daily.[40 CFR 60.48c(g)].	None.

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Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
53	The owner or operator shall maintain all required records for a period of two years following the date of such record. (NSPS Subpart Dc) [40 CFR 60.48c(i)]	None.	Recordkeeping by other recordkeeping method (provide description) annually Please note that the Department requires a minimum record-keeping period of five years. [N.J.A.C. 7:27-22.16(e)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1004 Two Boilers (33.5 MMBTU/hr each), firing Natural Gas and #2 Fuel Oil (Separate Stacks)**
Operating Scenario: **OS601 Natural Gas Fuel, OS1501 Natural Gas Fuel**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Opacity: No visible emissions except for a period of not longer than three minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-3.2(a)] & [N.J.A.C. 7:27- 3.2(c)]	None.	None.	None.
2	Fuel type limited to natural gas [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	VOC (Total) <= 0.18 lb/hr (each). Maximum emission rate based on AP-42 emission factor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	NOx (Total) <= 0.12 lb/MMBTU. The owner or operator of an industrial/commercial/institutional boiler or other indirect heat exchanger, with a maximum gross heat input rate of at least 25 million BTU per hour, but less than 50 million BTU per hour, burning natural gas with a dual fuel burner shall cause the boiler or other indirect heat exchanger to emit NOx at a rate no greater than the applicable maximum allowable NOx emission rate specified above. [N.J.A.C. 7:27-19.7(i)]	None.	None.	None.
5	NOx (Total) <= 3.28 lb/hr (each). Maximum emission rate based on AP-42 emission factor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	CO <= 2.76 lb/hr (each). Maximum emission rate based on AP-42 emission factor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP <= 0.249 lb/hr (each). Maximum emission rate based on AP-42 emission factor. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
8	PM-10 (Total) <= 0.249 lb/hr (each). Maximum emission rate based on AP-42 emission factor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
9	PM-2.5 (Total) <= 0.249 lb/hr (each). Maximum emission rate based on AP-42 emission factor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
10	Arsenic Emissions <= 0.0000066 lb/hr (each). Maximum emission rate of this HAP based on AP-42 emission factor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
11	Cadmium Emissions <= 0.000036 lb/hr (each). Maximum emission rate of this HAP based on AP-42 emission factor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
12	Cobalt Emissions <= 0.0000028 lb/hr (each). Maximum emission rate of this HAP based on AP-42 emission factor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
13	Dimethylbenz(a)anthracene (7,12-) <= 5.25E-7 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
14	Formaldehyde <= 0.0025 lb/hr (each). Maximum emission rate of this HAP based on AP-42 emission factor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
15	Nickel Emissions <= 0.0000099 lb/hr (each). Maximum emission rate of this HAP based on AP-42 emission factor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1004 Two Boilers (33.5 MMBTU/hr each), firing Natural Gas and #2 Fuel Oil (Separate Stacks)**
Operating Scenario: **OS602 Number 2 Fuel Oil, OS1502 Number 2 Fuel Oil**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Opacity: No visible emissions except for a period of not longer than three minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-3.2(a)] & [N.J.A.C. 7:27- 3.2(c)]	Opacity: Monitored by visual determination each week during operation when burning #2 fuel oil. The permittee shall conduct visual opacity inspections during daylight hours. Visual inspections shall consist of a visual survey to identify if the stack has visible emissions (other than condensed water vapor) greater than the prescribed standard. If visible emissions are observed, the permittee shall do the following: (1) Verify that the equipment and /or control device causing the emission is operating according to manufacturer's specifications and the operating permit compliance plan. If the equipment or control device is not operating properly, the permittee shall take corrective action immediately to eliminate the excess emissions, The permittee must report any permit violation to NJDEP pursuant to N.J.A.C. 7:27- 22.19. (2) If the corrective action taken in step one does not correct the opacity problem within 24 hours, the permittee shall perform a check via a certified opacity reader, in accordance with N.J.A.C. 7:27B-2. Such a test shall be conducted once per day until corrective action is taken to successfully correct the opacity problem. The permittee must report any continuing permit violation to NJDEP pursuant to N.J.A.C. 7:27-22.19. [N.J.A.C. 7:27-22.16(o)]	Opacity: Recordkeeping by manual logging of parameter or storing data in a computer data system each week during operation when burning #2 fuel oil. The permittee must retain the following records; (1) Date and time of inspection; (2) Emission Point number; (3) Operational status of equipment; (4) Observed results and conclusions; (5) Description of corrective action taken if needed; (6) Date and time opacity problem was solved, if applicable; (7) N.J.A.C. 7:27B-2 results if conducted; and (8) Name of person(s) conducting inspection. [N.J.A.C. 7:27-22.16(o)]	Other (provide description): Upon occurrence of event the permittee must report any permit violation to NJDEP pursuant to N.J.A.C. 7:27-22.19. [N.J.A.C. 7:27- 3.2(a)]
2	Sulfur Content in Fuel <= 15 ppmw (0.0015% by weight). Maximum allowable sulfur content in fuel oil by fuel oil type/viscosity and geographical zone. Effective July 1, 2016. [N.J.A.C. 7:27-9.2(b)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery. [N.J.A.C. 7:27-22.16(o)]	Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
3	Fuel stored in New Jersey that met the applicable maximum sulfur content standard of Tables 1A or 1B of N.J.A.C. 7:27-9.2 at the time the fuel was stored in New Jersey may be used in New Jersey after the operative date of the applicable standard in Table 1B. [N.J.A.C. 7:27- 9.2(b)]	None.	None.	None.
4	Fuel type limited to #2 fuel oil [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	VOC (Total) <= 0.08 lb/hr (each). Maximum emission rate based on AP-42 emission factor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	NOx (Total) <= 0.12 lb/MMBTU. The owner or operator of an industrial/commercial/institutional boiler or other indirect heat exchanger, with a maximum gross heat input rate of at least 25 million BTU per hour, but less than 50 million BTU per hour, burning natural gas with a dual fuel burner shall cause the boiler or other indirect heat exchanger to emit NOx at a rate no greater than the applicable maximum allowable NOx emission rate specified above. [N.J.A.C. 7:27-19.7(i)]	None.	None.	None.
7	NOx (Total) <= 4.72 lb/hr (each). Maximum emission rate based on AP-42 emission factor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	CO <= 1.18 lb/hr (each). Maximum emission rate based on AP-42 emission factor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	SO2 <= 0.67 lb/hr (each). Maximum emission rate based on AP-42 emission factor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
10	TSP <= 0.254 lb/hr (each). Maximum emission rate based on AP-42 emission factor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
11	PM-10 (Total) <= 0.254 lb/hr (each). Maximum emission rate based on AP-42 emission factor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
12	PM-2.5 (Total) <= 0.254 lb/hr (each). Maximum emission rate based on AP-42 emission factor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
13	Formaldehyde <= 0.014 lb/hr (each). Maximum emission rate of this HAP based on AP-42 emission factor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
14	Polycyclic organic matter <= 0.000778 lb/hr (each). Maximum emission rate of this HAP based on AP-42 emission factor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
15	No owner or operator subject to the provisions of MACT Subpart A in 40 CFR 63 shall build, erect, install, or use any article, machine, equipment, or process to conceal an emission that would otherwise constitute noncompliance with a relevant standard. Such concealment includes, but is not limited to: (1) The use of diluents to achieve compliance with a relevant standard based on the concentration of a pollutant in the effluent discharged to the atmosphere; (2) The use of gaseous diluents to achieve compliance with a relevant standard for visible emissions. (MACT Subpart A) [40 CFR 63.4(b)]	None.	None.	None.
16	The owner and operator must not use fragmentation or phasing of reconstruction activities (i.e., intentionally dividing reconstruction into multiple parts for purposes of avoiding new source requirements) to avoid becoming subject to new source requirements. (MACT Subpart A) [40 CFR 63.4(c)]	None.	None.	None.
17	The owner or operator of an affected source shall conduct monitoring as specified in the relevant standard, unless otherwise specified by the Administrator. (MACT Subpart A) [40 CFR 63.8(b)(1)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
18	The owner or operator of an affected source shall notify the Administrator that the source becomes subject to a relevant standard. The notification shall include the information as specified in 40 CFR 63.9(b)(2). (MACT Subpart A) [40 CFR 63.9(b)(2)]	None.	Recordkeeping by other recordkeeping method (provide description) upon occurrence of event. Notification records shall be maintained and recorded in a form suitable and readily available for expeditious inspection and review for at least 5 years following the date of each record. At minimum, the most recent two years of data shall be retained on site. The remaining 3 years of data may be retained off site. Such files may be maintained on microfilm, on a computer, on a computer floppy disks, on magnetic tape disks, or on microfiche. [40 CFR 63.10(b)(1)]	Submit notification: As per the approved schedule. Within 120 calendar days after the source becomes subject to the relevant standard, if initial startup of the affected source is before the effective date of the standard. [40 CFR 63.9(b)(2)]
19	After a title V permit has been issued, the owner or operator shall comply with all requirements for compliance status reports contained in the source's title V permit, including reports required under 40 CFR 63. After a title V permit has been issued to the owner or operator of an affected source, and each time a notification of compliance status is required under this part, the owner or operator of such source shall submit the notification of compliance status to the appropriate permitting authority following completion of the relevant compliance demonstration activity specified in the relevant standard. (MACT Subpart A) [40 CFR 63.9(h)(3)]	None.	Recordkeeping by other recordkeeping method (provide description) upon occurrence of event. Notification records shall be maintained for at least 5 years following the date of each record. At minimum, the most recent two years of data shall be retained on site. The remaining 3 years of data may be retained off site. Such files may be maintained on microfilm, on a computer, on a computer floppy disks, on magnetic tape disks, or on microfiche. [40 CFR 63.10(b)(1)]	Submit notification: As per the approved schedule. The notification shall must be sent before the close of business on the 60th day following the completion of the relevant compliance demonstration to NJDEP. [40 CFR 63.9(h)(3)]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
20	The owner or operator shall submit all information required under 40 CFR 63 to the Regional Enforcement Office of NJDEP. In addition, per 40 CFR 63.9(a)(4)(ii), the owner or operator shall send a copy of each report submitted to NJDEP under 40 CFR 63 to Director, Air and Waste Management Division, USEPA Region 2, 290 Broadway, New York, NY 10007-1866. (MACT Subpart A) [40 CFR 63.10(a)(4)(ii)]	None.	Other: The owner or operator of an affected source subject to the provisions of this part shall maintain files of all information (including all reports and notifications) required by this part recorded in a form suitable and readily available for expeditious inspection and review. The files shall be retained for at least 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent 2 years of data shall be retained on site. The remaining 3 years of data may be retained off site. Such files may be maintained on microfilm, on a computer, on computer floppy disks, on magnetic tape disks, or on microfiche. [40 CFR 63.10(b)(1)].	Other (provide description): As per the approved schedule. Submit reports and notifications as required by 40 CFR 63 to EPA Region 2 and NJDEP. [40 CFR 63.13(b)]
21	The permittee at all times must operate and maintain any affected source, including associated air pollution control equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. (MACT Subpart JJJJJJ) [40 CFR 63.11205(a)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The permittee shall keep records of the occurrence and duration of each malfunction of the boiler, or of the associated air pollution control and monitoring equipment. The permittee shall keep records of actions taken during periods of malfunction to minimize emissions in accordance with the general duty to minimize emissions in 40 CFR 63.11205(a), including corrective actions to restore the malfunctioning boiler, air pollution control, or monitoring equipment to its normal or usual manner of operation. [40 CFR 63.11225(c)]	None.

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Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
22	The permittee shall conduct an initial tuneup no later than March 21, 2012 and subsequent biennial tune-ups no more than 25 months after the previous tune-up. The tune-ups shall be conducted, as required in Table 2 to 40 CFR Part 63, Subpart JJJJJJ, and in accordance with 40 CFR 63.11223(b) as follows: (1) As applicable, inspect the burner, and clean or replace any components of the burner as necessary (the burner inspection may be delayed until the next scheduled unit shutdown, but each burner must be inspected at least once every 36 months). (2) Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available. (3) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly. (4) Optimize total emissions of carbon monoxide. This optimization should be consistent with the manufacturer's specifications, if available. As per 40 CFR 63.11223(b)(7), if the unit is not operating on the required date for a tune-up, the tune-up must be conducted within one week of startup. (MACT Subpart JJJJJJ) [40 CFR 63.11214(b)]	Monitored by periodic emission monitoring once initially and biennially. Measure the concentrations in the effluent stream of carbon monoxide (CO) in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). [40 CFR 63.11223(b)(5)]	Recordkeeping by manual logging of parameter or storing data in a computer data system once initially and biennially. The permittee shall keep the following records for a period of 5 years following the date of each recorded action as per 40 CFR 63.11225(d) to document conformance with the biennial tune-up: (i) Records identifying each boiler, the date of tune-up, the procedures followed for tune-ups and the manufacturer's specifications to which the boiler was tuned. (ii) Records documenting the fuel type(s) used monthly by each boiler, including, but not limited to a description of the fuel and the total fuel usage amount with units of measure. Per 40 CFR 63.11223(b)(6), the permittee must maintain the following information on site: (i) The concentrations of CO in the effluent stream in parts per million, by volume, and oxygen in volume percent, measured before and after the tune-up of the boiler. (ii) A description of any corrective actions taken as a part of the tune-up of the boiler. (iii) The type and amount of fuel used over the 12 months prior to the biennial tune-up of the boiler. [40 CFR 63.11225(c)(2)]	Submit notification: Once initially. Submit a Notification of Compliance status by July 19, 2012 to the Administrator, EPA Region II, certified by the Responsible Official containing the following certifications: "This facility complies with the requirements in 40 CFR 63.11214 to conduct an initial tune-up of boiler." The Notification of Compliance status shall contain the information required by 40 CFR 63.11223(b)(6). The permittee may use the forms provided on the EPA web page http://www.epa.gov/ttn/atw/boiler/imptools/area_tuneup_noc.docx. [40 CFR 63.11225(a)(4)]

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
23	The permittee must have a one-time energy assessment performed by a qualified energy assessor, no later than March 21, 2014. An energy assessment completed on or after January 1, 2008, that meets or is amended to meet the energy assessment requirements in Table 2 to 40 CFR 63 MACT JJJJJJ satisfies the energy assessment requirement. The energy assessment must include the following, per Table 2 to 40 CFR 63 MACT JJJJJJ: (1) A visual inspection of the boiler system, (2) An evaluation of operating characteristics of the facility, specifications of energy using systems, operating and maintenance procedures, and unusual operating constraints, (3) Inventory of major systems consuming energy from affected boiler(s), (4) A review of available architectural and engineering plans, facility operation and maintenance procedures and logs, and fuel usage, (5) A list of major energy conservation measures, (6) A list of the energy savings potential of the energy conservation measures identified, (7) A comprehensive report detailing the ways to improve efficiency, the cost of specific improvements, benefits, and the time frame for recouping those investments. [40 CFR 63.11214(c)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. The permittee must keep a copy of the energy assessment report on site for a period of 5 years. [40 CFR 63.11225(d)]	Submit a report: Once initially. Submit a Notification of Compliance status by July 19, 2014 to the Administrator, EPA Region II, certified by the Responsible Official containing the following certifications: "This facility has had an energy assessment performed according to 40 CFR 63.11214(c)." The permittee may use the forms provided on the EPA web page http://www.epa.gov/ttn/atw/boiler/imptools/area_tuneup_noc.docx. [40 CFR 63.11225(a)(4)]
24	The permitte must submit the Initial Notification of Applicability no later than September 17, 2011. (MACT Subpart JJJJJJ) [40 CFR 63.11225(a)(2)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Maintain a copy of the Initial Notification for a period of 5 years. [40 CFR 63.11225(d)]	Submit notification: Once initially by September 17, 2011 to the Administrator, EPA Region II, certified by the Responsible Official. The permittee may use instructions and the forms provided on the EPA website http://www.epa.gov/ttn/atw/boiler/area_initial_notification.doc [40 CFR 63.11225]

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
25	Prepare a biennial compliance certification report by March 1 of every other year and submit to the delegated authority upon request, a compliance certification report for the previous calendar years containing the following information: (1) Company name and address (2) Statement by responsible official, with the official's name, title, phone number, e-mail address, and signature, certifying the truth, accuracy and completeness of the notification and statement of whether the source has complied with all the relevant standards and other requirements of 40 CFR Part 63, Subpart JJJJJJ. (3) If the source experiences any deviations from the applicable requirements during the reporting period, include a description of deviations, the time periods during which the deviations occurred, and the corrective actions taken. The first compliance report shall be prepared by March 1, 2015. (MACT Subpart JJJJJJ) [40 CFR 63.11225(b)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system at the approved frequency. The permittee shall keep the records prescribed at 40 CFR 63.11225(b)(1) through (b)(3) on site. [40 CFR 63.11225(b)]	None.
26	The permittee must provide a 30 days notice, if the permittee intends to switch fuels that may result in the applicability of a different subcategory or a switch out of 40 CFR Part 63, MACT Subpart JJJJJJ due to a switch to 100 percent natural gas. (MACT Subpart JJJJJJ) [40 CFR 63.11225(g)]	None.	None.	Submit notification: Upon occurrence of event. Submit a written notification to the Administrator, EPA Region II. The notification must identify: (1) The name and owner or operator of the affected source, the location of the source, the boiler(s) that will switch fuel, and the date of the notice. (2) The currently applicable subcategory under 40 CFR Part 63, Subpart JJJJJJ. (3) The date on which the permittee became subject to the currently applicable standards. (4) The date upon which the permittee will commence the fuel switch. [40 CFR 63.11225(g)]

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Facility Specific Requirements

Emission Unit: **U1009 2,000 gallon AST with Gasoline and 6,000 gallon AST with Gasoline**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	No person shall cause, suffer, allow, or permit the storage of any applicable VOC in any stationary storage tank that has a maximum capacity of 2,000 gallons (7,570 liters) or greater and is exposed to the rays of the sun unless the external surface of the tank is painted and maintained white, except that this provision shall not apply to words and logograms applied to the external surface of the storage tank for purposes of identification provided such symbols do not cover more than 20 percent of the external surface area of the tank's sides and top or more than 200 square feet (18.6 square meters), whichever is less. [N.J.A.C. 7:27-16.2(b)1]	Monitored by visual determination twice a year. The permittee shall visually inspect the exterior condition of the tank(s) every 6 months. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system at the approved frequency (the date when the exterior of the tank(s) is repainted). [N.J.A.C. 7:27-22.16(o)]	Repair equipment: Upon occurrence of event. The permittee shall paint the exterior of the tank(s) white if the visual inspection indicates that 30% or greater of the exterior conditions needs to be repainted. [N.J.A.C. 7:27-22.16(o)]
2	The owner or operator shall maintain on-site, for each tank, for the time period specified at N.J.A.C. 7:27-16.22(a), records that specify each VOC stored and the vapor pressure of each VOC at standard conditions [N.J.A.C. 7:27-16.2(s)1]	Other: Storage tank contents.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain the required records for a period of no less than five years and make those records available upon the request of the Department or the EPA, or any duly authorized representative of the Department or the EPA. Maintain tank records (consisting of fuel delivery receipts) specifying each VOC stored and the vapor pressure of each VOC at standard conditions. [N.J.A.C. 7:27-16.22(a)] &[N.J.A.C. 7:27-22.16(o)].	None.
3	The transfer of gasoline into an applicable receiving vessel shall be made through a fill pipe whose point of discharge into the receiving vessel is entirely submerged when the liquid level is no more than six inches (15.2 centimeters) above the vessel bottom. [N.J.A.C. 7:27-16.3(c)1i]	None.	None.	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
4	The transfer of gasoline from any delivery vessel into any applicable stationary storage tank shall only occur if the storage tank meets the requirements of N.J.A.C. 7:27-16.2. [N.J.A.C. 7:27-16.3(d)]	None.	None.	None.
5	The transfer of gasoline from any delivery vessel into any applicable stationary storage tank shall only occur if the tank is equipped and operating with the following Phase I vapor recovery system (VRS) emission control: A Phase I VRS that reduces the total applicable VOC emissions into the outdoor atmosphere by no less than 98% of the concentration of applicable VOC by volume in the air-vapor mixture displaced during the transfer of gasoline. [N.J.A.C. 7:27-16.3(d)1]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system upon request of the Department. The Permittee shall demonstrate the efficiency of the vapor recovery system in accordance with test procedures or documentation approved by the Department. [N.J.A.C. 7:27-16.3(j)10]	None.
6	The transfer of gasoline from any delivery vessel into any applicable stationary storage tank shall only occur if the tank is equipped and operating with the following Phase I vapor recovery system (VRS) emission control : A pressure/vacuum relief valve on each atmospheric vent. [N.J.A.C. 7:27-16.3(d)2]	None.	None.	None.
7	The transfer of gasoline from any delivery vessel into any applicable stationary storage tank shall only occur if the tank is equipped and operating with the following Phase I vapor recovery system (VRS) emission control: A CARB-certified Phase I Enhanced Vapor Recovery (EVR) system pressure/vacuum relief vent valve. A Phase I VRS installed before December 23, 2017, shall comply with this requirement on or before December 23, 2018. [N.J.A.C. 7:27-16.3(d)3]	None.	None.	None.

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Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
8	The transfer of gasoline from any delivery vessel into any applicable stationary storage tank shall only occur if the tank is equipped and operating with the following Phase I vapor recovery system (VRS) emission control: A CARB-certified Phase I EVR system, including a dual point vapor balance system, the components of which shall have been approved in one or more CARB-certified Phase I EVR System executive orders in effect at the time of installation, but the components need not all be approved in the same executive order. A Phase I VRS installed before December 23, 2017, shall comply with this paragraph on or before December 23, 2024. However, a Phase I VRS that is using a single point vapor balance system (coaxial) installed before December 23, 2017, is not required to install • a dual point vapor balance system, • rotatable adapters. [N.J.A.C. 7:27-16.3(d)4]	None.	None.	None.
9	The Permittee shall ensure that during the transfer of gasoline into any gasoline-laden vehicular fuel tank, any person refueling a vehicle prevents overfilling and spillage and does not allow the transfer of gasoline to continue after the nozzle automatic shut-off point [N.J.A.C. 7:27-16.3(g)1]	None.	None.	None.
10	The Permittee shall ensure that at a gasoline dispensing facility that was constructed on or after June 29, 2003, and for which the Department issued a construction permit after June 29, 2003, each dispensing device that dispenses more than one grade of gasoline utilizes a unihose system for dispensing gasoline. [N.J.A.C. 7:27-16.3(g)2]	None.	None.	None.

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Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
11	The Permittee shall ensure that at a gasoline dispensing facility without a Phase II vapor recovery system, each nozzle is a CARB-certified enhanced conventional (ECO) nozzles in accordance with CARB certification procedure CP-207, as amended or supplemented. If no nozzle is CARB-certified at the time of the installation, or nozzle replacement, a conventional nozzle may be installed. [N.J.A.C. 7:27-16.3(g)3]	None.	None.	None.
12	The Permittee shall ensure that at a gasoline dispensing facility without a Phase II vapor recovery system, each dispenser hose is a CARB-certified low permeation hose in accordance with CARB certification procedures CP-201, and CP-207 as amended or supplemented. [N.J.A.C. 7:27-16.3(g)4]	None.	None.	None.
13	The Permittee of the gasoline dispensing facility shall notify the Department at least 14 days prior to performing any required testing specified in Table 3A of N.J.A.C. 7:27-16. The notification shall be via email to 14dayUSTnotice@dep.nj.gov and include the name, address, and registration number of the facility, the name and contact information for the owner and operator, the name and contact information of the business conducting the testing, and the date on which the testing is scheduled to begin. [N.J.A.C. 7:27-16.3(j)3]	None.	None.	None.
14	Upon request of the Department, the Permittee shall demonstrate the efficiency of the facility's vapor recovery system in reducing the total applicable VOC emissions released from the facility into the outdoor atmosphere, as required in N.J.A.C. 7:27-16.3(d)1, in accordance with test procedures or documentation approved by the Department. [N.J.A.C. 7:27-16.3(j)10]	None.	None.	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
15	Testing Requirements for GDFs required to have a vapor recovery system under N.J.A.C. 7:27-16.3(d): Permittee shall conduct and pass a Static Pressure Performance Test pursuant to California Air Resource Board (CARB) TP-201.3 for underground storage tanks or CARB TP-206.3B for aboveground storage tanks, as applicable. (https://www.arb.ca.gov/our-work/programs/v) within 90 days of permit approval and within 90 days of the following changes and at least once in every 12 month period thereafter: • replacement of any existing gasoline tank(s), • addition of any new gasoline tank(s), • replacement of any underground vapor return lines, or • change of material stored to gasoline. [N.J.A.C. 7:27-16.3(j)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system upon request of the Department. The Permittee shall maintain the following records at the facility and have it accessible to the Department upon request: i. Documentation of the performance of each test required which must include date of the test, the time the test was conducted, the name of the testing company, the test method; and ii. Record of each test results of each test performed. On the day of the test, any vapor recovery system corrective action, repairs or equipment replacement shall be recorded with the test results. All records, including test results, must be maintained on site for at least three years and made available to the Department upon request. [N.J.A.C. 7:27-16.3(t)2]	Repair equipment: Upon occurrence of event. Upon failure of the test the Permittee shall: i. Notify the Department in writing within 72 hours of the failure. Such notification shall be submitted to the Department by email at 14dayUSTnotice@dep.nj.gov and include in the email, the name, address, and registration number of the facility, name and contact information for the owner and operator, the name and contact information for the owner and operator, the name and contact information of the business conducting the testing, the date the testing was conducted, and the results of the testing using the forms in the applicable CARB method. ii. Have the system repaired and retested within 14 days of failure of the test. Upon failure of the retest the Permittee shall notify the Department in writing within 72 hours of the failure. Such notification shall be submitted by email at 14dayUSTnotice@dep.nj.gov including in the email the same information requested above. The system shall be repaired and retested in accordance with a compliance plan approved by the Department. [N.J.A.C. 7:27-16.3(j)]

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
16	Testing Requirements for GDFs required to have a vapor recovery system under 16.3(d): Permittee shall conduct and pass a Pressure Vacuum Valve Test pursuant to California Air Resource Board (CARB) TP-201.1E (https://www.arb.ca.gov/our-work/programs/v) within 90 days of permit approval and at least once every 12 months period thereafter and within 90 days of the following changes and at least once in every 12 month period thereafter: • replacement of any existing gasoline tank(s), • addition of any new gasoline tank(s), • replacement of any underground vapor return lines, or • change of material stored to gasoline. [N.J.A.C. 7:27-16.3(j)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system upon request of the Department. The Permittee shall maintain the following records at the facility and have it accessible to the Department upon request: i. Documentation of the performance of each test required which must include date of the test, the time the test was conducted, the name of the testing company, the test method; and ii. Record of each test results of each test performed. On the day of the test, any vapor recovery system corrective action, repairs or equipment replacement shall be recorded with the test results. All records, including test results, must be maintained on site for at least three years and made available to the Department upon request. [N.J.A.C. 7:27-16.3(t)2]	Repair equipment: Upon occurrence of event. Upon failure of the test the Permittee shall: i. Notify the Department in writing within 72 hours of the failure. Such notification shall be submitted to the Department by email at 14dayUSTnotice@dep.nj.gov and include in the email, the name, address, and registration number of the facility, name and contact information for the owner and operator, the name and contact information for the owner and operator, the name and contact information of the business conducting the testing, the date the testing was conducted, and the results of the testing using the forms in the applicable CARB method. ii. Have the system repaired and retested within 14 days of failure of the test. Upon failure of the retest the Permittee shall notify the Department in writing within 72 hours of the failure. Such notification shall be submitted by email at 14dayUSTnotice@dep.nj.gov including in the email the same information requested above. The system shall be repaired and retested in accordance with a compliance plan approved by the Department. [N.J.A.C. 7:27-16.3(j)]

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
17	Testing Requirements for GDFs that have rotable adapters under 16.3(d): Permittee shall conduct and pass a Torque Test pursuant to California Air Resource Board (CARB) TP-201.1B (https://www.arb.ca.gov/our-work/programs/v) within 90 days of permit approval and within 90 days of the following changes and at least once in every 12 month period thereafter: • replacement of any existing gasoline tank(s), • addition of any new gasoline tank(s), • replacement of any underground vapor return lines, or • change of material stored to gasoline. [N.J.A.C. 7:27-16.3(j)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system upon request of the Department. The Permittee shall maintain the following records at the facility and have it accessible to the Department upon request: i. Documentation of the performance of each test required which must include date of the test, the time the test was conducted, the name of the testing company, the test method; and ii. Record of each test results of each test performed. On the day of the test, any vapor recovery system corrective action, repairs or equipment replacement shall be recorded with the test results. All records, including test results, must be maintained on site for at least three years and made available to the Department upon request. [N.J.A.C. 7:27-16.3(t)2]	Repair equipment: Upon occurrence of event. Upon failure of the test the Permittee shall: i. Notify the Department in writing within 72 hours of the failure. Such notification shall be submitted to the Department by email at 14dayUSTnotice@dep.nj.gov and include in the email, the name, address, and registration number of the facility, name and contact information for the owner and operator, the name and contact information for the owner and operator, the name and contact information of the business conducting the testing, the date the testing was conducted, and the results of the testing using the forms in the applicable CARB method. ii. Have the system repaired and retested within 14 days of failure of the test. Upon failure of the retest the Permittee shall notify the Department in writing within 72 hours of the failure. Such notification shall be submitted by email at 14dayUSTnotice@dep.nj.gov including in the email the same information requested above. The system shall be repaired and retested in accordance with a compliance plan approved by the Department. [N.J.A.C. 7:27-16.3(j)]
18	Tank's contents limited to gasoline. [N.J.A.C. 7:27-22.16(a)]	Other: Tank contents.[N.J.A.C. 7:27-22.16(o)].	Other: Keep records of invoices/bills of lading showing materials delivered. Per delivery.[N.J.A.C. 7:27-22.16(o)].	None.
19	Total Throughput <= 130,000 gal/yr of gasoline (40,000 gal/yr for E10004 and 90,000 gal/yr for E10005). [N.J.A.C. 7:27-22.16(a)]	Total Throughput: Monitored by material feed/flow monitoring each month during operation. Permittee shall monitor monthly gasoline throughput by inspecting fuel flow totalizer on each pump once daily. The Permittee shall sum the monthly throughput and the previous eleven (11) months to obtain the annual throughput. [N.J.A.C. 7:27-22.16(o)]	Total Throughput: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. Permittee shall record the monthly gasoline throughput rates. All records must be maintained on site for a minimum of 5 years and made readily accessible to the Department upon request. [N.J.A.C. 7:27-16.3(t)1]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
20	The average monthly throughput shall not exceed 10,000 gallons of gasoline in any consecutive 12-month period. [N.J.A.C. 7:27-22.16(a)]	Other: Permittee shall monitor monthly gasoline throughput by inspecting the fuel flow totalizer on each pump. Each month, the permittee shall sum the monthly throughput and the previous eleven (11) months to obtain the annual throughput and then divide by twelve to obtain the average monthly throughput.[N.J.A.C. 7:27-22.16(o)].	Recordkeeping by manual logging of parameter or storing data in a computer data system at the approved frequency Permittee shall record average monthly gasoline throughput rates. [N.J.A.C. 7:27-22.16(o)]	Comply with the requirement: Upon occurrence of event. Upon exceeding an average monthly throughput of 10,000 gallons of gasoline in any consecutive 12-month period, the Permittee shall submit a permit modification to comply with the requirements of N.J.A.C. 7:27-16.3(e) in accordance with the schedule set forth in N.J.A.C. 7:27-16.3(h). [N.J.A.C. 7:27-22.16(o)]
21	VOC (Total) <= 1.3 tons/yr. Annual emission limit based on maximum allowable annual throughput. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U6000 Manufacture of License Plates in the DEPTCOR Tag Shop**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Opacity <= 20 % opacity, exclusive of visible condensed water vapor, except for three minutes period in any consecutive 30-minute period. [N.J.A.C. 7:27-6.2(d)] &. [N.J.A.C. 7:27- 6.2(e)]	None.	None.	None.
2	Total Production Rate <= 1,000 other units (license plates per hour). [N.J.A.C. 7:27-22.16(a)]	Total Production Rate: Monitored by material feed/flow monitoring each hour during operation. [N.J.A.C. 7:27-22.16(o)]	Total Production Rate: Recordkeeping by manual logging of parameter or storing data in a computer data system each hour during operation. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U6000 Manufacture of License Plates in the DEPTCOR Tag Shop**
Operating Scenario: **OS1 Federal Press 60 ton, Used to Punch Out License Plates**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.5 lb/hr (PT39). [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
2	TSP < 0.05 lb/hr (below de minimus). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U10010 Clever Brooks Boiler (200 HP, 8.3 MMBTU/hr)**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Opacity: No visible smoke except for a period of not longer than three minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-3.2(a)] & [N.J.A.C. 7:27- 3.2(c)]	None.	None.	None.
2	Particulate Emissions <= 4.98 lb/hr (PT34). Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
3	The owner or operator of an industrial/commercial/institutional boiler or other indirect heat exchanger with a gross heat input of at least five million BTU per hour or more shall adjust the combustion process annually in the same quarter of each calendar year. If the source is not operated during the quarter of the calendar year in which the annual adjustment is to be performed, the owner or operator shall perform the adjustment within seven days after the boiler or other indirect heat exchanger is next operated. The adjustment of the combustion process shall be done in accordance with the procedure set forth at N.J.A.C. 7:27-19.16. [N.J.A.C. 7:27-16.8(b)], [N.J.A.C. 7:27-16.8(c)] and [N.J.A.C. 7:27-19.7(g)]	Monitored by periodic emission monitoring annually. The owner or operator shall perform the adjustment of the combustion process in accordance with the combustion adjustment monitoring procedures specified in NJDEP Technical Manual 1005 and the procedure at N.J.A.C. 7:27-19.16(a) as follows: 1.Inspect the burner, and clean or replace any components of the burner as necessary; 2. Inspect the flame pattern and make any adjustments to the burner necessary to optimize the flame pattern consistent with the manufacturer's specifications; 3. Inspect the system controlling the air-to-fuel ratio, and ensure that it is correctly calibrated and functioning properly; 4. Minimize the total emissions of NOx and CO consistent with the manufacturer's specifications; 5. Measure the concentrations in the effluent stream of NOx and CO in ppmvd and O2 in percent, before and after the adjustment is made; and 6. Convert the measured emission values of NOx, CO and O2 concentrations to lb/MMBTU according to the following formula: Lb/MMBTU = ppmvd * MW * F dry factor * O2 correction factor/387,000,000, where: ppmvd is the concentration in parts per million by volume, dry basis, of NOx or CO; MW is the Molecular Weight for NOx=46 lb/lb-mole, CO=28 lb/lb-mole; F Dry factor for: Natural Gas = 8,710 dscf/MMBTU, Residual or fuel oil = 9,190 dscf/MMBTU; O2 correction factor: (20.9%)/(20.9% - O2 measured), where O2 measured is percent oxygen on a dry basis. [N.J.A.C. 7:27-19.16(a)]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon performing combustion adjustment of the following information for each adjustment: 1. The date of the adjustment and the times at which it began and ended; 2. The name, title and affiliation of the person who made the adjustment; 3. The NOx and CO concentrations in the effluent stream, in ppmvd, before and after each actual adjustment was made; 4. The concentration of O2 (in percent dry basis) at which the CO and NOx concentrations were measured; 5. A description of any corrective action taken; 6. Results from any subsequent test performed after taking any corrective action, including concentrations and converted emission values in (lb/MMBTU); 7. The type and amount of fuel used over the 12 months prior to the annual adjustment; 8. Any other information which the Department or the EPA has required as a condition of approval of any permit or certificate issued for the source operation. The records must be retained for a minimum of five years and to be made readily accessible to the Department upon request. [N.J.A.C. 7:27-19.16(b)]	Submit a report: Annually. The owner or operator shall submit an annual adjustment combustion process report to the department within 45 days after the adjustment of the combustion process is completed. The report shall be submitted electronically to: www.njdeponline.com. Instructions for submitting this report online are specified at: http://www.nj.gov/dep/aqpp/adjustment.htm. [N.J.A.C. 7:27-19.16(d)] and [N.J.A.C. 7:27-19.16(c)]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
4	The owner or operator of the adjusted equipment or source operation shall ensure that the operating parameter settings are established and recorded after the combustion process is adjusted and that the adjusted equipment or source operation is maintained to operate consistent with the annual adjustment. [N.J.A.C. 7:27-19.16(e)]	Other: Monitored by the operating parameter settings that are established after the combustion process is adjusted in order to operate consistent with the annual adjustment. [N.J.A.C. 7:27-19.16(e)].	Other: The owner or operator shall record the operating parameter settings that are established after the combustion process is adjusted and retain until the next annual adjustment, to be made readily accessible to the Department upon request. [N.J.A.C. 7:27-19.16(e)].	None.
5	Boiler fuel limited to natural gas. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Natural Gas Usage <= 71.28 MMft^3/yr. [N.J.A.C. 7:27-22.16(a)]	Natural Gas Usage: Monitored by fuel flow/firing rate instrument continuously. [N.J.A.C. 7:27-22.16(o)]	Natural Gas Usage: Recordkeeping by manual logging of parameter or storing data in a computer data system continuously. [N.J.A.C. 7:27-22.16(o)]	None.
7	Maximum Gross Heat Input <= 8.3 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
8	VOC (Total) <= 0.19 tons/yr. Annual emission limit based on maximum annual fuel use. [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.
9	NOx (Total) <= 3.56 tons/yr. Annual emission limit based on maximum annual fuel use. [N.J.A.C. 7:27-22.16(a)]	NOx (Total): Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	NOx (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.
10	CO <= 2.99 tons/yr. Annual emission limit based on maximum annual fuel use. [N.J.A.C. 7:27-22.16(a)]	CO: Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	CO: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. Record annual emissions. [N.J.A.C. 7:27-22.16(o)]	None.
11	TSP <= 0.27 tons/yr. Annual emission limit based on maximum annual fuel use. [N.J.A.C. 7:27-22.16(a)]	TSP: Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	TSP: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.
12	PM-10 (Total) <= 0.27 tons/yr. Annual emission limit based on maximum annual fuel use. [N.J.A.C. 7:27-22.16(a)]	PM-10 (Total): Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	PM-10 (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
13	PM-2.5 (Total) <= 0.27 tons/yr. Annual emission limit based on maximum annual fuel use. [N.J.A.C. 7:27-22.16(a)]	PM-2.5 (Total): Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	PM-2.5 (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.
14	HAPs (Total) <= 0.0027 tons/yr (5.4 lb/yr). Annual emission limit based on Cadmium Emissions, Cobalt Emissions, Dimethylbenz(a)anthracene (7,12-), and Formaldehyde. [N.J.A.C. 7:27-22.16(a)]	HAPs (Total): Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	HAPs (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.
15	Cadmium Emissions <= 0.000039 tons/yr (0.078 lb/yr). Annual emissions of this HAP based on natural gas usage. [N.J.A.C. 7:27-22.16(a)]	Cadmium Emissions: Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	Cadmium Emissions: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.
16	Cobalt Emissions <= 3.0E-7 tons/yr (0.0006 lb/yr). Annual emissions of this HAP based on natural gas usage. [N.J.A.C. 7:27-22.16(a)]	Cobalt Emissions: Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	Cobalt Emissions: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.
17	Dimethylbenz(a)anthracene (7,12-) <= 5.7E-7 tons/yr (0.00114 lb/yr). Annual emissions of this HAP based on natural gas usage. [N.J.A.C. 7:27-22.16(a)]	Dimethylbenz(a)anthracene (7,12-): Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	Dimethylbenz(a)anthracene (7,12-): Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.
18	Formaldehyde <= 0.0027 tons/yr (5.346 lb/yr). Annual emissions of this HAP based on natural gas usage. [N.J.A.C. 7:27-22.16(a)]	Formaldehyde: Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	Formaldehyde: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U10010 Clever Brooks Boiler (200 HP, 8.3 MMBTU/hr)**
Operating Scenario: **OS1 Clever-Brooks Boiler**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	VOC (Total) <= 0.04 lb/hr. Maximum emission rate based on AP-42 emission factor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
2	NOx (Total) <= 0.8 lb/hr. Maximum emission rate based on AP-42 emission factor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	CO <= 0.68 lb/hr. Maximum emission rate based on AP-42 emission factor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	TSP <= 0.06 lb/hr. Maximum emission rate based on AP-42 emission factor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	PM-10 (Total) <= 0.06 lb/hr. Maximum emission rate based on AP-42 emission factor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	PM-2.5 (Total) <= 0.06 lb/hr. Maximum emission rate based on AP-42 emission factor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	Cadmium Emissions <= 0.0000089 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Cobalt Emissions <= 6.85E-8 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Dimethylbenz(a)anthracene (7,12-) <= 1.3E-7 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
10	Formaldehyde <= 0.00061 lb/hr. Maximum emission rate of this HAP based on AP-42 emission factor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Profile (General)

Facility Name (AIMS): BAYSIDE STATE PRISON NJDOC

Facility ID (AIMS): 75499

Street Address: 4293 RT 47
DELSEA DR
LEESBURG, NJ 08327

Mailing Address: CONSTRUCTION AND FACILITIES
MAINTENANCE
NEW JERSEY DEPT OF CORRECTIONS
PO BOX 863 WHITTLESEY RD AND STUYVE
TRENTON, NJ 08625

State Plane Coordinates:

X-Coordinate:	361,628
Y-Coordinate:	147,463
Units:	Feet
Datum:	NAD83
Source Org.:	Other/Unknown
Source Type:	Other/Unknown

County: Cumberland

Location Description: The prison complex occupies approximately 1100 acres along Route 47 with most of the air emission equipment located northeast of Route 47

Industry:

Primary SIC:	9223
Secondary SIC:	
NAICS:	922140

New Jersey Department of Environmental Protection
Facility Profile (General)

Contact Type: Air Permit Information Contact

Organization: NJDOC - Bayside State Prison
Org. Type: State
Name: James Hamilton
NJ EIN: 00000000000
Title: Engineer in Charge of Maintenance
Phone: (856) 785-0040 x5134
Fax: (856) 785-8102 x
Other: ( ) - x
Type:
Email: James.Hamilton@doc.nj.gov
Mailing Address: 4293 Route 47
Delsea Drive
Leesburg, NJ 08327

Contact Type: Fees/Billing Contact

Organization: NJDOC - Bayside State Prison
Org. Type: State
Name: James Hamilton
NJ EIN: 00000000000
Title: Engineer in Charge of Maintenance
Phone: (856) 785-0040 x5134
Fax: (856) 785-8102 x
Other: ( ) - x
Type:
Email: James.Hamilton@doc.nj.gov
Mailing Address: 4293 Route 47
Leesburg, NJ 08327

Contact Type: Operator

Organization: Bayside State Prison
Org. Type: State
Name: Joseph Saunders
NJ EIN:
Title: Administrator
Phone: (856) 785-0040 x
Fax: (856) 785-8000 x
Other: ( ) - x
Type:
Email: JosephSaunders@doc.state.nj.us
Mailing Address: P. O. Box F-1
Route 47-Delsea Drive
Delsea DR
Leesburg, NJ 08625

New Jersey Department of Environmental Protection
Facility Profile (General)

Contact Type: **Owner (Current Primary)**

Organization: Division of Operations, Dept of Corrections
Org. Type: State
Name: Dept of Corrections
NJ EIN:
Title: Assist Director, Div of Operations
Phone: (609) 292-4036 x
Fax: (609) 292-9083 x
Other: ( ) - x
Type:
Email: rbernstein@doc.state.nj.us
Mailing Address: P. O. Box 863
Whitlesey Road
Whitlesey Road
Trenton, NJ 08625

Contact Type: **Responsible Official**

Organization: NJDOC - Bayside State Prison
Org. Type: State
Name: James Hamilton
NJ EIN: 00000000000
Title: Engineer in Charge of Maintenance
Phone: (856) 785-0040 x5134
Fax: (856) 785-8102 x
Other: ( ) - x
Type:
Email: James.Hamilton@doc.nj.gov
Mailing Address: 4293 Route 47
Delsea Drive
Leesburg, NJ 08327

BAYSIDE STATE PRISON NJDOC (75499) Date: 02/06/2023
BOP200009

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	Leaking Valves and Flanges on Pipes	fuel burning equipment	1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.00000000	0.000
FG2	Fertilizer Storage	Farm operations	0.000	0.000	0.000	0.000	1.000	1.000	0.000	0.00000000	0.000
FG3	Farming Operations	Facility Wide	0.000	0.000	0.000	0.000	0.100	0.000	0.000	0.00000000	0.000
FG4	Paved and Unpaved Roads	Facility Wide	0.000	0.000	0.000	0.000	0.100	0.000	0.000	0.00000000	0.000
Total			1.000	0.000	0.000	0.000	1.200	1.000	0.000	0.00000000	0.000

BAYSIDE STATE PRISON NJDOC (75499)
BOP200009

Date: 2/6/2023

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)
IS12	(1) 500 gallon Gasoline Tank	Storage Vessel	Fueling Station	0.100	0.000	0.000	0.000	0.000	0.000	0.000	0.00000000	0.000
IS13	(1) 500 gallon Diesel Tank	Storage Vessel	Recycle Center	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.00000000	0.000
IS14	(1) 500 gallon Kerosene Tank	Storage Vessel	Recycle Center	0.005	0.000	0.000	0.000	0.000	0.000	0.000	0.00000000	0.000
IS15	(1) Parts Washer	Cleaning Machine (Open Top: Cold)	Treasury Motor Pool	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.00000000	0.000
IS17	(1) 5,000 gallon AST Donkey Boiler #2 Fuel Oil Tank	Storage Vessel	Donkey Boiler at Farm Dairy	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.00000000	0.000
IS18	(1) 1,000 gallon Diesel Tank for WTTP Emergency Generator	Storage Vessel	Wastewater Treatment Plant	0.005	0.000	0.000	0.000	0.000	0.000	0.000	0.00000000	0.000
IS19	(1) 4,000 gallon Diesel Tank.02	Storage Vessel	Fueling Station	0.050	0.000	0.000	0.000	0.000	0.000	0.000	0.00000000	0.000
IS20	(3) Grandfathered AST's (1-15K Diesel Tank & 2-20K #2 Fuel Oil Tank)	Storage Vessel	Bayside Prison Boilerhouse	0.050	0.000	0.000	0.000	0.000	0.000	0.000	0.00000000	0.000
IS21	(2) UST's(1-15K Diesel Tank & 1-12K Diesel Tank)	Storage Vessel	Southern Prison	0.030	0.000	0.000	0.000	0.000	0.000	0.000	0.00000000	0.000

BAYSIDE STATE PRISON NJDOC (75499)
BOP200009

Date: 2/6/2023

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)
IS22	Wastewater Treatment Plant (VOC < 3500 ppbw and TXS < 100 ppbw)	Other Equipment	Wastewater Treatment Plant	1.460	0.000	0.000	0.000	0.000	0.000	0.000	0.00000000	3.200
IS23	Fryer (0.35 MMBTU//hr)	Fuel Combustion Equipment (Other)	Bakery	0.008	0.150	0.128	0.001	0.011	0.011	0.000	0.00000000	0.000
IS24	(4) 165,000 BTU/hr Gas Dryers	Fuel Combustion Equipment (Other)	Southern State Prison	0.016	0.283	0.238	0.002	0.022	0.022	0.000	0.00000000	0.000
IS25	(4) 100,000 BTU/hr Gas Ovens	Fuel Combustion Equipment (Other)	Southern State Prison	0.009	0.172	0.144	0.001	0.013	0.013	0.000	0.00000000	0.000
IS26	(2) 108,000 BTU/hr Gas Grills	Fuel Combustion Equipment (Other)	Southern State Prison	0.005	0.093	0.078	0.001	0.007	0.007	0.000	0.00000000	0.000
IS27	(1) 250,000 BTU/hr Boiler	Fuel Combustion Equipment (Other)	Southern State Prison	0.006	0.107	0.090	0.001	0.008	0.008	0.000	0.00000000	0.000
IS28	(1) 840,000 BTU/hr Hot Water Heater	Fuel Combustion Equipment (Other)		0.020	0.361	0.303	0.002	0.027	0.027	0.000	0.00000000	0.000
Total				1.786	1.166	0.981	0.008	0.088	0.088	0.000	0.00000000	3.200

BAYSIDE STATE PRISON NJDOC (75499) Date: 2/6/2023

BOP200009

New Jersey Department of Environmental Protection
Equipment Inventory

Equip. NJID	Facility's Designation	Equipment Description	Equipment Type	Certificate Number	Install Date	Grand-Fathered	Last Mod. (Since 1968)	Equip. Set ID
E1	Loc Boiler 1	2.07 MMBTU/hr (HHV) Boiler	Boiler		12/31/2003			
E2	Loc Boiler 2	2.07 MMBTU/hr (HHV) Boiler	Boiler		12/31/2003			
E3	Precision 1	1.26 MMBTU/hr (HHV) Boiler	Boiler		12/31/2003			
E4	Precision 2	1.26 MMBTU/hr (HHV) Boiler	Boiler		12/31/2003			
E5	Cat E Genset	6.932 MMBTU/hr (HHV) Emerg. Gen. (480 kW)	Emergency Generator		12/31/2003			
E6	Bread Mixers	Bread Mixers	Manufacturing and Materials Handling Equipment		12/31/1986			
E501	E.Gen.1999#2	Caterpillar 1500 KW generator (Bayside)	Emergency Generator	PCP960012/ CT 105700	12/1/1999	No	12/1/1999	
E601	Boiler #3	Clever-Brooks Boiler, 800 Hp, 33.5 MMBtu/hr Boiler (Bayside)	Boiler	PCP990001	5/11/1999	No		
E701	Boiler # 1	Clever Brooks Boiler, 200 HP, 8.3 MMbtu/hr Boiler	Boiler	BOP070001	6/1/2002	No	3/17/2011	
E801	E.Gen.1999#1	Caterpillar 1500 KW generator (Bayside)	Emergency Generator	PCP960011/ CT 105699	12/1/1999	No	12/1/1999	
E1501	Boiler #4	Clever-Brooks Boiler, 800 Hp, 33.5 MMBtu/hr Boiler (Bayside)	Boiler	PCP980001/	1/1/1999	No		
E2101	EG#4-Ph2	Cummins 750 KW Stationary generator (Southern)	Emergency Generator	PCP960001/ CT 095783	1/1/1984	No	12/31/1986	
E2201	EG#3-Ph2	Cummins 750 KW Stationary generator (Southern)	Emergency Generator	PCP960002/ CT 095784	1/1/1984	No	12/31/1986	

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
E2301	EG#1-Ph2	Cummins 750 KW Stationary generator (Southern)	Emergency Generator	PCP960003/ CT 095785	1/1/1984	No	12/31/1986	
E2401	EG#3-Ph1	Cummins 750 KW Stationary generator (Southern)	Emergency Generator	PCP960004/ CT 095786	1/1/1980	No	12/31/1986	
E2501	EG#2-Ph1	Cummins 750 KW Stationary generator (Southern)	Emergency Generator	PCP960005/ CT 095787	1/1/1980	No	12/31/1986	
E2601	WTTP EM GEN	465 HP Cummins Engine	Emergency Generator		6/1/1995			
E2701	EG#1-Ph1	Cummins 750 KW Stationary generator (Southern)	Emergency Generator	PCP960007/ CT 095759	1/1/1980	No	12/31/1986	
E2801	EG#2-Ph2	Cummins 750 KW Stationary generator (Southern)	Emergency Generator	PCP960008/ CT 095885	1/1/1984	No	12/31/1986	
E5101	MM Oven	Middlebury Marshall Oven	Bakery Oven		12/1/1970	No		
E5201	Revent Oven	Revent Oven	Bakery Oven		1/1/2000	No		
E5301	Cutler Oven	Cutler Oven	Bakery Oven		1/1/2000	No		
E6001	Federal Pres	Federal Press	Manufacturing and Materials Handling Equipment					
E6002	M31-3M Inker	M31-3M Inker # 1	Surface Coating Equipment (Non-Fabric Material)					
E6003	M31-3M Inker	M31-3M Inker # 2	Surface Coating Equipment (Non-Fabric Material)					

BAYSIDE STATE PRISON NJDOC (75499) Date: 2/6/2023
BOP200009

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
E6004	M31-3M Inker	M31-3M Inker # 3	Surface Coating Equipment (Non-Fabric Material)					
E6005	M31-3M Inker	M31-3M Inker # 4	Surface Coating Equipment (Non-Fabric Material)					
E10004	Fueling St.	2,000 gallon AST for Gasoline storage	Storage Vessel					
E10005	Fueling St.	6,000 gallon AST for Gasoline storage	Storage Vessel					
E10006	Cake Mixers	Cake Mixers	Manufacturing and Materials Handling Equipment		12/31/1986			
E10007	Proof Boxes	Proof Boxes	Manufacturing and Materials Handling Equipment		12/31/1986			

75499 BAYSIDE STATE PRISON NJDOC BOP200009 E2 (Boiler)
Print Date: 11/9/2021

Make:	Lochinvar
Manufacturer:	Lochinvar
Model:	CHN2070
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	2.07
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:

75499 BAYSIDE STATE PRISON NJDOC BOP200009 E3 (Boiler)
Print Date: 11/9/2021

Make:	Precision
Manufacturer:	Precision
Model:	FPW-62L-900NC-P1260N
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.26
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:

75499 BAYSIDE STATE PRISON NJDOC BOP200009 E4 (Boiler)
Print Date: 11/9/2021

Make:	Precision
Manufacturer:	Precision
Model:	FPW-62L-900NC-P1260N
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.26
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:

75499 BAYSIDE STATE PRISON NJDOC BOP200009 E5 (Emergency Generator)
Print Date: 11/9/2021

Make:	Caterpillar
Manufacturer:	Caterpillar (01/01/2003 Manufacture Date)
Model:	3508
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	6.93
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:	480 kW 643 HP

75499 BAYSIDE STATE PRISON NJDOC BOP200009 E6 (Manufacturing and Materials Handling Equipment)
Print Date: 11/9/2021

Make:	Champion
Manufacturer:	Champion
Model:	unknown
Type of Manufacturing and Materials Handling Equipment:	Equipment in Which the Combined Weight of A
Capacity:	
Units:	
Description (if other):	
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:	Equipment Location: Bakery. Raw Materials Limited To: bread dough. Total Material Transferred: 170 (lb/hr), 744.6 (tons/yr). Basis of PTE Emission Limits: Option 1: Manufacturing and Materials Handling Equipment with uncontrolled Potential to Emit (PTE) emissions less than the reporting threshold for each air contaminant.

75499 BAYSIDE STATE PRISON NJDOC BOP200009 E1 (Boiler)
Print Date: 11/9/2021

Make:	Lochinvar
Manufacturer:	Lochinvar
Model:	CHN2070
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	2.07
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:

75499 BAYSIDE STATE PRISON NJDOC BOP200009 E501 (Emergency Generator)
Print Date: 11/9/2021

Make:	Caterpillar Genset
Manufacturer:	Caterpillar
Model:	GKPGN1-09-3512B
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	14.70
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:	

75499 BAYSIDE STATE PRISON NJDOC BOP200009 E601 (Boiler)
Print Date: 11/9/2021

Make:	Clever-Brooks
Manufacturer:	Clever-Brooks
Model:	CB200-350-200
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	33.50
Boiler Type:	Water Tube
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	
Fuel Firing Method:	Wall-fired or cross-fired
Description (if other):	Flue Gas recirculation
Draft Type:	Forced
Heat Exchange Type:	Direct

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

Low NOx Burner:	☑	Type:	Induced flue gas recirculation
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:

75499 BAYSIDE STATE PRISON NJDOC BOP200009 E701 (Boiler)
Print Date: 11/9/2021

Make:	Cleaber BRooks
Manufacturer:	Cleaber Brooks 200 HP
Model:	CB200-200-150
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	8.30
Boiler Type:	Fire Tube
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	6,900.00
Fuel Firing Method:	Wall-fired or cross-fired
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

Comments:

75499 BAYSIDE STATE PRISON NJDOC BOP200009 E801 (Emergency Generator)
Print Date: 11/9/2021

Make:	Caterpillar Genset
Manufacturer:	Caterpillar
Model:	GKPGN1-09-3512B
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	14.80
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:	

75499 BAYSIDE STATE PRISON NJDOC BOP200009 E1501 (Boiler)
Print Date: 11/9/2021

Make:	Clever-Brooks
Manufacturer:	Clever-Brooks
Model:	CB200-350-200
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	33.50
Boiler Type:	Water Tube
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	
Fuel Firing Method:	Wall-fired or cross-fired
Description (if other):	Flue Gas recirculation
Draft Type:	Forced
Heat Exchange Type:	Direct

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

Low NOx Burner:	☑	Type:	Induced flue gas recirculation
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:

75499 BAYSIDE STATE PRISON NJDOC BOP200009 E2101 (Emergency Generator)
Print Date: 11/9/2021

Make:	Cummins
Manufacturer:	Cummins
Model:	
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	7.70
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:	

75499 BAYSIDE STATE PRISON NJDOC BOP200009 E2201 (Emergency Generator)
Print Date: 11/9/2021

Make:	Cummins
Manufacturer:	Cummins
Model:	
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	7.70
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:	

75499 BAYSIDE STATE PRISON NJDOC BOP200009 E2301 (Emergency Generator)
Print Date: 11/9/2021

Make:	Cummins
Manufacturer:	Cummins
Model:	
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	7.70
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:	

75499 BAYSIDE STATE PRISON NJDOC BOP200009 E2401 (Emergency Generator)
Print Date: 11/9/2021

Make:	Cummins
Manufacturer:	Cummins
Model:	
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	7.70
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:	

75499 BAYSIDE STATE PRISON NJDOC BOP200009 E2501 (Emergency Generator)
Print Date: 11/9/2021

Make:	Cummins
Manufacturer:	Cummins
Model:	
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	7.70
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:	

75499 BAYSIDE STATE PRISON NJDOC BOP200009 E2601 (Emergency Generator)
Print Date: 11/9/2021

Make:	Cummins
Manufacturer:	Cummins
Model:	NTA855-G2
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	3.29
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:	Standby Operation

75499 BAYSIDE STATE PRISON NJDOC BOP200009 E2701 (Emergency Generator)
Print Date: 11/9/2021

Make:	Cummins
Manufacturer:	Cummins
Model:	
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	7.70
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:	

75499 BAYSIDE STATE PRISON NJDOC BOP200009 E2801 (Emergency Generator)
Print Date: 11/9/2021

Make:	Cummins
Manufacturer:	Cummins
Model:	
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	7.70
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:	

75499 BAYSIDE STATE PRISON NJDOC BOP200009 E5101 (Bakery Oven)
Print Date: 11/9/2021

Make:	Middlebury Marshall
Manufacturer:	MIddlebury Marshall
Model:	
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	1.98

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:

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

75499 BAYSIDE STATE PRISON NJDOC BOP200009 E5201 (Bakery Oven)
Print Date: 11/9/2021

Make:	Revent
Manufacturer:	Revent
Model:	Revent
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	0.34

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:

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

75499 BAYSIDE STATE PRISON NJDOC BOP200009 E5301 (Bakery Oven)
Print Date: 11/9/2021

Make:	Cutler
Manufacturer:	Cutler
Model:	
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	0.73

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:

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

75499 BAYSIDE STATE PRISON NJDOC BOP200009 E6001 (Manufacturing and Materials Handling Equipment)
Print Date: 11/9/2021

Make:	Federal Press
Manufacturer:	Federal Press
Model:	
Type of Manufacturing and Materials Handling Equipment:	80 ton Punch Press
Capacity:	
Units:	
Description (if other):	
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:	

75499 BAYSIDE STATE PRISON NJDOC BOP200009 E6002 (Surface Coating Equipment (Non-Fabric Material))
Print Date: 11/9/2021

Make:	3M
Manufacturer:	3M
Model:	M31-3M
Method of Application:	Roller — Spray Type:
Description:	

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

- ○ Yes
- ● No

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

- ○ Yes
- ● No

Comments:

75499 BAYSIDE STATE PRISON NJDOC BOP200009 E6003 (Surface Coating Equipment (Non-Fabric Material))
Print Date: 11/9/2021

Make:	3M
Manufacturer:	3M
Model:	M31-3M
Method of Application:	Roller — Spray Type:
Description:	

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

- ○ Yes
- ● No

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

- ○ Yes
- ● No

Comments:

75499 BAYSIDE STATE PRISON NJDOC BOP200009 E6004 (Surface Coating Equipment (Non-Fabric Material))
Print Date: 11/9/2021

Make:	3M
Manufacturer:	3M
Model:	M31-3M
Method of Application:	Roller — Spray Type:
Description:	

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

- ○ Yes
- ● No

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

- ○ Yes
- ● No

Comments:

75499 BAYSIDE STATE PRISON NJDOC BOP200009 E6005 (Surface Coating Equipment (Non-Fabric Material))
Print Date: 11/9/2021

Make:	3M
Manufacturer:	3M
Model:	M31-3M
Method of Application:	Roller — Spray Type:
Description:	

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

- ○ Yes
- ● No

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

- ○ Yes
- ● No

Comments:

75499 BAYSIDE STATE PRISON NJDOC BOP200009 E10004 (Storage Vessel)
Print Date: 11/9/2021

What type of contents is this storage vessel equipped to contain by design?	Liquids Only
Storage Vessel Type:	Tank
Design Capacity:	2,000
Units:	gallons
Ground Location:	Above Ground
Is the Shell of the Equipment Exposed to Sunlight?	No
Shell Color:	
Description (if other):	
Shell Condition:	
Paint Condition:	
Shell Construction:	
Is the Shell Insulated?	Yes
Type of Insulation:	
Insulation Thickess (in):	
Thermal Conductivity of Insulation [(BTU)(in)(hr)(ft2)(deg F)]:	
Shape of Storage Vessel:	
Shell Height (From Ground to Roof Bottom) (ft):	35.00
Length (ft):	10.00
Width (ft):	
Diameter (ft):	6.00
Other Dimension	
Description:	
Value:	
Units:	
Fill Method:	Submerged
Description (if other):	
Maximum Design Fill Rate:	225.00
Units:	gal/min
Does the storage vessel have a roof or an open top?	
Roof Type:	Horizontal fixed roof tank
Roof Height (From Roof Bottom to Roof Top) (ft):	1.00
Roof Construction:	
Primary Seal Type:	
Secondary Seal Type:	
Total Number of Seals:	
Roof Support:	
Does the storage vessel have a Vapor Return Loop?	
Does the storage vessel	

75499 BAYSIDE STATE PRISON NJDOC BOP200009 E10004 (Storage Vessel)
Print Date: 11/9/2021

Does the storage vessel have a Conservation Vent?

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:

75499 BAYSIDE STATE PRISON NJDOC BOP200009 E10005 (Storage Vessel)
Print Date: 11/9/2021

What type of contents is this storage vessel equipped to contain by design?	Liquids Only
Storage Vessel Type:	Tank
Design Capacity:	6,000
Units:	gallons
Ground Location:	Above Ground
Is the Shell of the Equipment Exposed to Sunlight?	No
Shell Color:	
Description (if other):	
Shell Condition:	
Paint Condition:	
Shell Construction:	
Is the Shell Insulated?	Yes
Type of Insulation:	
Insulation Thickess (in):	
Thermal Conductivity of Insulation [(BTU)(in)(hr)(ft2)(deg F)]:	
Shape of Storage Vessel:	
Shell Height (From Ground to Roof Bottom) (ft):	35.00
Length (ft):	6.00
Width (ft):	
Diameter (ft):	4.00
Other Dimension	
Description:	
Value:	
Units:	
Fill Method:	Submerged
Description (if other):	
Maximum Design Fill Rate:	225.00
Units:	gal/min
Does the storage vessel have a roof or an open top?	
Roof Type:	Horizontal fixed roof tank
Roof Height (From Roof Bottom to Roof Top) (ft):	1.00
Roof Construction:	
Primary Seal Type:	
Secondary Seal Type:	
Total Number of Seals:	
Roof Support:	
Does the storage vessel have a Vapor Return Loop?	
Does the storage vessel	

75499 BAYSIDE STATE PRISON NJDOC BOP200009 E10005 (Storage Vessel)
Print Date: 11/9/2021

Does the storage vessel have a Conservation Vent?

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:

75499 BAYSIDE STATE PRISON NJDOC BOP200009 E10006 (Manufacturing and Materials Handling Equipment)
Print Date: 11/9/2021

Make:	Hobart
Manufacturer:	Hobart
Model:	unknown
Type of Manufacturing and Materials Handling Equipment:	Equipment in Which the Combined Weight of A
Capacity:	
Units:	
Description (if other):	
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:	Equipment Location: Bakery. Raw Materials Limited To: cake batter. Total Material Transferred: 170 (lb/hr), 744.6 (tons/yr). Basis of PTE Emission Limits: Option 1: Manufacturing and Materials Handling Equipment with uncontrolled Potential to Emit (PTE) emissions less than the reporting threshold for each air contaminant.

75499 BAYSIDE STATE PRISON NJDOC BOP200009 E10007 (Manufacturing and Materials Handling Equipment)
Print Date: 11/9/2021

Make:	unknown
Manufacturer:	unknown
Model:	unknown
Type of Manufacturing and Materials Handling Equipment:	Equipment in Which the Combined Weight of A
Capacity:	
Units:	
Description (if other):	
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:	Equipment Location: Bakery. Raw Materials Limited To: bread dough. Total Material Transferred: 170 (lb/hr), 744.6 (tons/yr). Basis of PTE Emission Limits: Option 1: Manufacturing and Materials Handling Equipment with uncontrolled Potential to Emit (PTE) emissions less than the reporting threshold for each air contaminant.

BAYSIDE STATE PRISON NJDOC (75499) Date: 2/6/2023

BOP200009

New Jersey Department of Environmental Protection
Control Device Inventory

CD NJID	Facility's Designation	Description	CD Type	Install Date	Grand-Fathered	Last Mod. (Since 1968)	CD Set ID
CD1	Filter Bag	Bag Filter for PM control on the Federal Press	Other				

75499 BAYSIDE STATE PRISON NJDOC BOP200009 CD1 (Other)
Print Date: 11/9/2021

Make:	
Manufacturer:	Fabric for Industry
Model:	Filter Bag
Maximum Air Flow Rate to Control Device (acfm):	100
Maximum Temperature of Vapor Stream to Control Device (°F):	100
Minimum Temperature of Vapor Stream to Control Device (°F):	70
Minimum Moisture Content of Vapor Stream to Control Device (%):	
Minimum Pressure Drop Across Control Device (in. H20):	
Maximum Pressure Drop Across Control Device (in. H20):	
Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources):	1
Alternative Method to Demonstrate Control Apparatus is Operating Properly:	Visual Inspe
Have you attached data from recent performance testing?	○ Yes ● No
Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus?	○ Yes ● No
Have you attached a diagram showing the location and/or configuration of this control apparatus?	○ Yes ● No
Comments:	The filter Bag is cleaned manually and replaced based on manufacturer's recommendation

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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.		
PT5	E.Gen.1999#2	Caterpillar 1500 KW Generator	Round	6	15	1,500	900.0	888.0	944.0	12,182.0	12,182.0	12,182.0	Up	
PT6	Boiler #3	Clever-Brooks, 800 Hp, 33.5 MMBTU/hr	Round	24	44	1,500	400.0	378.0	403.0		3,053.0	10,924.0	Up	
PT7	Bread Mixer1	Champion Bread Mixer 1												
PT8	E.Gen.1999#1	Caterpillar 1500 KW Generator	Round	6	15	1,500	900.0	888.0	944.0	12,182.0	12,182.0	12,182.0	Up	
PT13	Bread Mixer2	Champion Bread Mixer 2												
PT14	Bread Mixer3	Champion Bread Mixer 3												
PT15	Boiler #4	Clever-Brooks, 800 Hp, 33.5 MMBTU/hr	Round	24	44	1,500	400.0	378.0	403.0		3,053.0	10,924.0	Up	
PT17	Cake Mixer1	Hobart Cake Mixer 1												
PT18	Cake Mixer2	Hobart Cake Mixer 2												
PT19	Proof Box 1	Bread Proof Box 1												
PT20	Proof Box 2	Bread Proof Box 2												
PT21	EG#4-Ph2	Cummins 750 KW stationary generator	Round	6	10	1,400	900.0	900.0	900.0	6,100.0	6,100.0	6,100.0	Up	
PT22	EG#3-Ph2	Cummins 750 KW stationary generator	Round	6	10	1,400	900.0	900.0	900.0	6,100.0	6,100.0	6,100.0	Up	
PT23	EG#1-Ph2	Cummins 750 KW stationary generator	Round	6	10	1,400	900.0	900.0	900.0	6,100.0	6,100.0	6,100.0	Up	
PT24	EG#3-Ph1	Cummins 750 KW stationary generator	Round	6	10	2,400	900.0	900.0	900.0	6,100.0	6,100.0	6,100.0	Up	
PT25	EG#2-Ph1	Cummins 750 KW stationary generator	Round	6	10	2,400	900.0	900.0	900.0	6,100.0	6,100.0	6,100.0	Up	

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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.		
PT26	WTTP EM GEN	WTTP EM GEN exhaust	Round	11	12	600	850.0	800.0	900.0	2,500.0	2,400.0	2,570.0	Horizontal	
PT27	EG#1-Ph1	Cummins 750 KW stationary generator	Round	6	10	2,400	900.0	900.0	900.0	6,100.0	6,100.0	6,100.0	Up	
PT28	EG#2-Ph2	Cummins 750 KW stationary generator	Round	6	10	1,400	900.0	900.0	900.0	6,100.0	6,100.0	6,100.0	Up	
PT32	Fueling St.	2,000 gallon AST for gasoilne storage	Round	2	12	70	70.0	70.0	70.0	30.0	30.0	30.0	Up	
PT33	Fueling St.	6,000 gallon AST for gasoline storage	Round	2	12	70	70.0	70.0	70.0	30.0	30.0	30.0	Up	
PT34	Boiler # 1	Clever Brooks Boiler, 200 Hp, 8.3 MMbtu/hr	Round	16	44	1,500	382.0	354.0	399.0	1,686.0	742.0	2,720.0	Up	
PT35	Loc Boiler 1	Boiler E1 Stack	Round	18	44	2,700			443.0			1,000.0	Up	
PT36	Loc Boiler 2	Boiler E2 Stack	Round	18	44	2,700			443.0			1,000.0	Up	
PT37	Precision 1	Boiler E3 Stack	Round	18	44	2,700			443.0			1,000.0	Up	
PT38	Precision 2	Boiler E4 Stack	Round	18	44	2,700			443.0			1,000.0	Up	
PT39	Tag Shop	Tag Shop Loading Bay Opening	Rectangle	121	10	2,000	70.0	40.0	100.0	100.0	100.0	200.0	Horizontal	
PT41	Cat E Genset	Emerg. Gen. E5 Stack	Round	6	10	2,700			900.0			6,100.0	Up	
PT5101	MM Oven	MM Oven	Round	6	10	2,000	400.0	350.0	450.0	1,000.0	800.0	1,200.0	Up	
PT5201	Revent Oven	Revent Oven	Round	6	10	2,000	400.0	350.0	450.0	1,000.0	800.0	1,200.0	Up	
PT5202	Cutler Oven	Cutler Oven	Round	6	10	2,000	400.0	350.0	450.0	1,000.0	800.0	1,200.0	Up	

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

U 1 DRY ING SYS GOP-002A - Manufacturing and Materials Handling Equipment

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	Bread Mixers	Bread Mixers	Normal - Steady State	E6		PT13 PT14 PT7								
OS2	Cake Mixers	Cake Mixers	Normal - Steady State	E10006		PT17 PT18 PT7								
OS3	Proof Boxes	Proof Boxes	Normal - Steady State	E10007		PT19 PT20								

U 2 Loc Boiler 1 GOP-007-1 Boiler Based on 8,760 Hours per Year Operation

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	Loc Boiler 1	2.07 MMBTU/hr (HHV), Boiler Natural Gas Only	Normal - Steady State	E1		PT35								

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Emission Unit/Batch Process Inventory

U 3 Loc Boiler 2 GOP-007-1 Boiler Based on 8,760 Hours per Year Operation

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	Loc Boiler 2	2.07 MMBTU/hr (HHV), Boiler Natural Gas Only	Normal - Steady State	E2		PT36								

U 4 Precision 1 GOP-007-1 Boiler Based on 8,760 Hours per Year Operation

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	Precision 1	1.26 MMBTU/hr (HHV), Boiler Natural Gas Only	Normal - Steady State	E3		PT37								

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Emission Unit/Batch Process Inventory

U 5 Precision 2 GOP-007-1 Boiler Based on 8,760 Hours per Year Operation

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	Precision 2	1.26 MMBTU/hr (HHV), Boiler Natural Gas Only	Normal - Steady State	E4		PT38								

U 6 Cat E Genset EG-004-5 Emergency Generator 480 kW

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	Cat E Genset	6.932 MMBTU/hr (HHV) Emerg. Gen. (480 kW) Natural Gas, 100 hrs/yr	Normal - Steady State	E5		PT41			100.0			6,100.0		900.0

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Emission Unit/Batch Process Inventory

U 51 MM Oven Middlbury Marshall Oven

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	MM Oven	Middlebury Marshall Oven	Normal - Steady State	E5101		PT5101	3-02-032-02	0.0	2,920.0		800.0	1,200.0	350.0	450.0

U 52 Revent Oven Revent Oven

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	Revent Oven	Revent Oven	Normal - Steady State	E5201		PT5201	3-02-032-02	0.0	2,920.0		800.0	1,200.0	350.0	450.0

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U 53 Cutler Oven Cutler Oven

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	Culter Oven	Cutler Oven	Normal - Steady State	E5301		PT5202	3-02-032-02	0.0	2,920.0		800.0	1,200.0	350.0	450.0

U 1002 10-Emg. Gen. Ten Emergency Generators, subject to 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.
OS501	E.Gen.1999#2	Diesel Fuel	Standby	E501		PT5	2-03-001-01	48.0	50.0		12,182.0	12,182.0	888.0	944.0
OS801	E.Gen.1999#1	Diesel Fuel	Standby	E801		PT8	2-03-001-01	48.0	50.0		12,182.0	12,182.0	888.0	944.0
OS2101	EG#4-Ph2	Diesel Fuel	Standby	E2101		PT21	2-03-001-01	48.0	50.0		6,100.0	6,100.0	900.0	900.0
OS2201	EG#3-Ph2	Diesel Fuel	Standby	E2201		PT22	2-03-001-01	48.0	50.0		6,100.0	6,100.0	900.0	900.0
OS2301	EG#1-Ph2	Diesel Fuel	Standby	E2301		PT23	2-03-001-01	48.0	50.0		6,100.0	6,100.0	900.0	900.0
OS2401	EG#3-Ph1	Diesel Fuel	Standby	E2401		PT24	2-03-001-01	48.0	50.0		6,100.0	6,100.0	900.0	900.0
OS2501	EG#2-Ph1	Diesel Fuel	Standby	E2501		PT25	2-03-001-01	48.0	50.0		6,100.0	6,100.0	900.0	900.0
OS2701	EG#1-Ph1	Diesel Fuel	Standby	E2701		PT27	2-03-001-01	48.0	50.0		6,100.0	6,100.0	900.0	900.0
OS2801	EG#2-Ph2	Diesel Fuel	Standby	E2801		PT28	2-03-001-01	48.0	50.0		6,100.0	6,100.0	900.0	900.0
OS2802	WTTP EM GEN	One - 3.29 MMBTU/hr Emer. Gen. (E2601)	Standby	E2601		PT26	2-03-001-01	0.0	50.0		2,400.0	2,570.0	800.0	900.0

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U 1004 2-Boilers Two Boilers (33.5 MMBTU/hr each), firing Natural Gas and #2 Fuel Oil (Separate Stacks)

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.
OS601	BLR#3 N.G.	Natural Gas Fuel	Normal - Steady State	E601		PT6	1-02-006-02	7,668.0	8,520.0		3,053.0	10,624.0	378.0	403.0
OS602	BLR#3 F.O.	Number 2 Fuel Oil	Normal - Steady State	E601		PT6	1-02-005-02	0.0	852.0		3,132.0	10,624.0	378.0	403.0
OS1501	BLR#4 N.G.	Natural Gas Fuel	Normal - Steady State	E1501		PT15	1-02-006-02	7,668.0	8,520.0		3,053.0	10,624.0	378.0	403.0
OS1502	BLR#4 F.O.	Number 2 Fuel Oil	Normal - Steady State	E1501		PT15	1-02-005-02	0.0	852.0		3,132.0	10,624.0	378.0	403.0

U 1009 2, Gas ASTs 2,000 gallon AST with Gasoline and 6,000 gallon AST with Gasoline

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS1	2K gas AST	Gasoline Storage in 2,000 gallon Tank @ Fueling Station	Normal - Steady State	E10004		PT32	4-03-010-09	2,208.0	8,760.0				51.0	61.0
OS2	6K AST	Gasoline Storage in 2,000 gallon Tank @ Fueling Station	Normal - Steady State	E10005		PT33	4-03-010-09	2,208.0	8,760.0				51.0	61.0

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Emission Unit/Batch Process Inventory

U 6000 Tag Shop Manufacture of License Plates in the DEPTCOR Tag Shop

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	Federal Pres	Federal Press 60 ton, Used to Punch Out License Plates	Normal - Steady State	E6001	CD1 (P)	PT39	3-09-001-98	0.0	4,160.0		100.0	500.0	60.0	120.0
OS2	M31-3M Inker	M31-3M Inker # 1	Normal - Steady State	E6002		PT39	4-02-025-01	0.0	4,160.0		1.0	10.0	70.0	100.0
OS3	M31-3M Inker	M31-3M Inker # 2	Normal - Steady State	E6003		PT39	4-02-025-01	0.0	4,160.0		1.0	10.0	70.0	100.0
OS4	M31-3M Inker	M31-3M Inker # 3	Normal - Steady State	E6004		PT39	4-02-025-01	0.0	4,160.0		1.0	10.0	70.0	100.0
OS5	M31-3M Inker	M31-3M Inker # 4	Normal - Steady State	E6005		PT39	4-02-025-01	0.0	4,160.0		1.0	10.0	70.0	100.0

U 10010 Boiler # 1 Clever Brooks Boiler (200 HP, 8.3 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.
OS1	Boiler #1	Clever-Brooks Boiler	Normal - Steady State	E701		PT34	1-03-006-03	0.0	8,760.0		742.0	2,646.0	354.0	399.0