



## State of New Jersey

PHILIP D. MURPHY  
Governor

TAHESHA L. WAY  
Lt. Governor

### DEPARTMENT OF ENVIRONMENTAL PROTECTION

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

SHAWN M. LATOURETTE  
Commissioner

### Air Pollution Control Operating Permit Renewal

**Permit Activity Number: BOP200002**

**Program Interest Number: 17994**

Mailing Address	Plant Location
SETH KATZ ENGINEER IN CHARGE OF MAINTENANCE NJDOC EAST JERSEY STATE PRISON LOCK BAG RD EAST JERSEY STATE PRISON Rahway, NJ 07065	NJDOC EAST JERSEY STATE PRISON 1495 Rahway Ave Avenel Middlesex County

**Initial Operating Permit Approval Date:**

**December 20, 2000**

**Operating Permit Approval Date:**

**PROPOSED PERMIT**

**Operating Permit Expiration Date:**

**TBD**

#### **AUTHORITY AND APPLICABILITY**

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

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

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

#### **PERMIT SHIELD**

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

#### **COMPLIANCE SCHEDULES**

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

## **COMPLIANCE CERTIFICATIONS AND DEVIATION REPORTS**

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

## **ACCESSING PERMITS**

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

## **HELPLINE**

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

## **RENEWING YOUR OPERATING PERMIT AND APPLICATION SHIELD**

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

## **COMPLIANCE ASSURANCE MONITORING**

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

## **ADMINISTRATIVE HEARING REQUEST**

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

If you have any questions regarding this permit approval, please call Brian Reilly at (609) 633-8245.

Approved by:

Joel Leon

Enclosure

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

**Facility Name: NJDOC EAST JERSEY STATE PRISON**  
**Program Interest Number: 17994**  
**Permit Activity Number: BOP200002**

**TABLE OF CONTENTS**

<b><u>Section A</u></b>	POLLUTANT EMISSIONS SUMMARY
<b><u>Section B</u></b>	GENERAL PROVISIONS AND AUTHORITIES
<b><u>Section C</u></b>	STATE-ONLY APPLICABLE REQUIREMENTS
<b><u>Section D</u></b>	FACILITY SPECIFIC REQUIREMENTS AND INVENTORIES
	<ul style="list-style-type: none"><li>• FACILITY SPECIFIC REQUIREMENTS – PAGE INDEX</li><li>• REASON FOR APPLICATION</li><li>• FACILITY SPECIFIC REQUIREMENTS (COMPLIANCE PLAN)</li><li>• FACILITY PROFILE (ADMINISTRATIVE INFORMATION)</li><li>• INSIGNIFICANT SOURCE EMISSIONS</li><li>• EQUIPMENT INVENTORY</li><li>• EQUIPMENT DETAILS</li><li>• EMISSION POINT INVENTORY</li><li>• EMISSION UNIT / BATCH PROCESS INVENTORY</li></ul>

## Section A

**Facility Name: NJDOC EAST JERSEY STATE PRISON**

**Program Interest Number: 17994**

**Permit Activity Number: BOP200002**

### **POLLUTANT EMISSIONS SUMMARY**

Table 1: Total emissions from all Significant Source Operations<sup>1</sup> at the facility.

Facility's Potential Emissions from all Significant Source Operations (tons per year)										
Source Categories	VOC (total)	NO <sub>x</sub>	CO	SO <sub>2</sub>	TSP (total)	PM <sub>10</sub> (total)	PM <sub>2.5</sub> (total)	Pb	HAPs* (total)	CO <sub>2</sub> e <sup>2</sup>
Emission Units Summary	8.45	30.1	54.5	4.52	11.3	11.3	11.3	N/A	N/A	
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	8.45	30.1	54.5	4.52	11.3	11.3	11.3	N/A	N/A	68,367

Table 2: Estimate of total emissions from all Insignificant Source Operations<sup>1</sup> 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 <sub>x</sub>	CO	SO <sub>2</sub>	TSP (total)	PM <sub>10</sub> (total)	PM <sub>2.5</sub> (total)	Pb	HAPs (total)
Insignificant Source Operations	0.04	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Non-Source Fugitive Emissions	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

VOC: Volatile Organic Compounds

NO<sub>x</sub>: Nitrogen Oxides

CO: Carbon Monoxide

SO<sub>2</sub>: Sulfur Dioxide

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).

TSP: Total Suspended Particulates

Other: Any other air contaminant

regulated under the Federal CAA

PM<sub>10</sub>: Particulates under 10 microns

PM<sub>2.5</sub>: Particulates under 2.5 microns

Pb: Lead

HAPs: Hazardous Air Pollutants

CO<sub>2</sub>e: Carbon Dioxide equivalent

\*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.

<sup>1</sup> Significant Source Operations and Insignificant Source Operations are defined at N.J.A.C. 7:27-22.1.

<sup>2</sup> Total CO<sub>2</sub>e emissions for the facility.

## Section A

**Facility Name: NJDOC EAST JERSEY STATE PRISON**

**Program Interest Number: 17994**

**Permit Activity Number: BOP200002**

### **POLLUTANT EMISSIONS SUMMARY**

Table 3: Summary of Hazardous Air Pollutants (HAP) Emissions from Significant Source Operations <sup>3</sup>:

HAP	TPY
N/A	N/A

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

Other Air Contaminant	TPY
Methane	1.34

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<sup>3</sup> 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: NJDOC EAST JERSEY STATE PRISON**

**Program Interest Number: 17994**

**Permit Activity Number: BOP200002**

### **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)1]
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 <https://dep.nj.gov/boss/applications-and-forms/> (Attachment to the RADIUS Operating Permit Renewal Application). Both the RADIUS application and the Application Attachment, along with any other supporting documents must be submitted using the Department's Portal



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

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

**Program Interest Number: 17994**

**Permit Activity Number: BOP200002**

### **STATE-ONLY APPLICABLE REQUIREMENTS**

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

### **STATE-ONLY APPLICABLE REQUIREMENTS**

The following applicable requirements are not federally enforceable:

<u>SECTION</u>	<u>SUBJECT ITEM</u>	<u>ITEM #</u>	<u>REF. #</u>
B	---	1	---
B	---	10b	---
D	FC	---	3
D	FC	---	9

## Section D

**Facility Name: NJDOC EAST JERSEY STATE PRISON**

**Program Interest Number: 17994**

**Permit Activity Number: BOP200002**

### **FACILITY SPECIFIC REQUIREMENTS AND INVENTORIES**

#### **FACILITY SPECIFIC REQUIREMENTS PAGE INDEX**

##### **Subject Item and Name**

##### **Page Number**

##### **Facility (FC):**

FC

1

##### **Insignificant Sources (IS):**

<b>IS NJID</b>	<b>IS Description</b>	
IS1	5,000 Gallon Diesel Tank (Storage Tank <= 10,000 gallons and < 0.02 psia)	7
IS2	2,000 Gallon Diesel Tank (Storage Tank <= 10,000 gallons and < 0.02 psia)	7
IS3	Two (2) 20,000 Gallon No. 2 Fuel Oil Tanks (Storage Tanks > 10,000 gallons and < 0.02 psia)	8

##### **Emission Units (U):**

<b>U NJID</b>	<b>U Designation</b>	<b>U Description</b>	
U1	Boilers #1-4	Four boilers, each 64.4 MMBTU/hr (Natural Gas) and 63.0 MMBTU/hr (#2 Fuel Oil) Boiler (Powerhouse Boilers #1-4)	10
U7	Main EG	14.5 MMBTU/hr Cummins Emergency Generator (1500 kW, pre-2004 Model Year, firing #2 fuel oil)	17
U11	Fueling Sta.	Fueling Station, 2 Gasoline Storage Tanks, 6,000 and 4,000 gallons (Tank # 11 and 12)	23

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

**Permit Being Modified**

**Permit Class:** BOP      **Number:** 170001

**Description of Modifications:** Five Year Renewal Operating Permit incorporating minor modification BOP200001 and administrative amendment BOP220001. The following changes are made to the operating permit during this renewal process:

1. Removed emission unit U6, associated equipment emergency generator E6 and emission point PT6 from operating permit.
2. U7 OS Summary updated state emergency generator requirements.
3. Combined emission units U1 #1 Boiler, U2 #2 Boiler, U3 #3 Boiler and U4 #4 Boiler into a single emission unit titled U1 Boilers #1-4. Created annual fuel usage cap for new emission unit U1 Boilers #1-4. Fuel usage limit reduced from 564.144 MMft<sup>3</sup> of natural gas per year per boiler to 1128 MMft<sup>3</sup> per any consecutive 12 month period combined for all four boilers. Total emissions have been updated accordingly.
4. U1 Boilers #1-4 OS1, OS3, OS5, and OS7 updated combustion adjustment language. Added recordkeeping requirement to maintain records showing maximum heat input rate (MMBTU/hr) for boilers. Added VOC and CO RACT requirements per N.J.A.C. 7:27-16.8. Updated NOx lb/hr limit to be consistent with NOx RACT limit.
5. U1 Boilers #1-4 OS2, OS4, OS6, and OS8 updated N.J.A.C. 7:27-19.25 language. Removed 500 hours per year applicable requirement for emergency fuel oil burning. Emissions updated accordingly. Added recordkeeping requirement to maintain records showing maximum heat input rate (MMBTU/hr) for boilers. Updated N.J.A.C. 7:27-9.2 sulfur language requirements and updated short-term (lb/hr) sulfur emission rate.
6. U7 sulfur emissions removed from permit based on 15 ppm sulfur diesel.
7. Updated Fees/Billing Contact to Henry L. Gantt, Air Permit Information Contact and Responsible Official to Seth Katz, and added Richard Cestone as Consultant Contact.
8. Operating Permit Section A Pollutant Emissions Summary for Significant and Insignificant Sources was updated accordingly.
9. U11 OS Summary updated N.J.A.C. 7:27-16.3 requirements. Added MACT Subpart CCCCC requirements for gasoline dispensing facilities and MACT Subpart A requirements. Added monthly throughput limits for gasoline storage tanks.
10. Updated various equipment inventory details, edit details and OS details for multiple pieces of equipment including SCC(s) codes, flow rates and temperature.
11. Included PM-2.5 PTE emissions for U1 and U7 consistent with N.J.A.C. 7:27-22.
12. Included methane PTE emissions for U1 consistent with N.J.A.C. 7:27-22.
13. Updated N.J.A.C. 7:27-4.2 RACT limit for U7 OS Summary.
14. Updated general description citations for applicable federal requirements.
15. The changes made during this permit activity result in allowable annual emissions changes as follows: Decrease of VOC by 7.06 tpy, CO by 52.8 tpy, NOx by 85.8 tpy, SO2 by 8.67 tpy, TSP by 9.75 tpy, PM10 by 9.75 tpy.

BOP200002

**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.

BOP200002

**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: <a href="http://www.state.nj.us/dep/online/">http://www.state.nj.us/dep/online/</a> . 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.

BOP200002

**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]

BOP200002

**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: <a href="http://www.state.nj.us/dep/online/">http://www.state.nj.us/dep/online/</a> . 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]



BOP200002

**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.

BOP200002

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

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

BOP200002

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

**Subject Item:** IS1 5,000 Gallon Diesel Tank (Storage Tank < = 10,000 gallons and < 0.02 psia), IS2 2,000 Gallon Diesel Tank (Storage Tank < = 10,000 gallons and < 0.02 psia)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Sulfur Content in Fuel <= 15 ppmw (0.0015% by weight). [N.J.A.C. 7:27-9.2(a)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	None.

BOP200002

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

**Subject Item:** IS3 Two (2) 20,000 Gallon No. 2 Fuel Oil Tanks (Storage Tanks > 10,000 gallons and < 0.02 psia)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Sulfur Content in Fuel <= 15 ppmw (0.0015% by weight). [N.J.A.C. 7:27-9.2(a)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	None.
2	The operating temperature of the tank shall not be greater than 350 degrees F. [N.J.A.C. 7:27-22.1]	None.	None.	None.
3	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.
4	The tank or vessel shall have no visible emissions, exclusive of water vapor, to the outdoor atmosphere. [N.J.A.C. 7:27-22.1]	None.	None.	None.
5	The tank or vessel shall not emit any air contaminants which may cause an odor detectable outside the property boundaries of the facility. [N.J.A.C. 7:27-22.1]	None.	None.	None.
6	The tank or vessel shall not be subject to any NESHAPS, MACT, or NSPS air pollution control standards. [N.J.A.C. 7:27-22.1]	None.	None.	None.
7	The tank's or vessel's potential to emit each TXS and each HAP shall not exceed the reporting thresholds at N.J.A.C. 7:27-17.9(a). [N.J.A.C. 7:27-22.1]	None.	None.	None.
8	The percentage by weight of all HAPs collectively in the raw material stored in the tank, or mixed or blended in the vessel, shall be less than 1.0 percent. [N.J.A.C. 7:27-22.1]	None.	None.	None.

BOP200002

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

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

BOP200002

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

**Emission Unit:** U1 Four boilers, each 64.4 MMBTU/hr (Natural Gas) and 63.0 MMBTU/hr (#2 Fuel Oil) Boiler (Powerhouse Boilers #1-4)

**Operating Scenario:** OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Natural Gas Usage $\leq$ 1,128 MMft <sup>3</sup> per any consecutive 12 month period. [N.J.A.C. 7:27-22.16(a)]	Natural Gas Usage: Monitored by fuel usage totalizing meter continuously. [N.J.A.C. 7:27-22.16(o)]	Natural Gas Usage: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The permittee shall maintain records of natural gas usage during each calendar month and each consecutive 12-month period. [N.J.A.C. 7:27-22.16(o)]	None.
2	NO <sub>x</sub> (Total) $\leq$ 28.9 tons/yr based on natural gas usage limit combined for four boilers (E1-E4) and 48 hours per year limit firing no. 2 fuel oil (testing and maintenance) for each boiler (E1-E4). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	CO $\leq$ 54.2 tons/yr based on natural gas usage limit combined for four boilers (E1-E4) and 48 hours per year limit firing no. 2 fuel oil (testing and maintenance) for each boiler (E1-E4). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	VOC (Total) $\leq$ 6.92 tons/yr based on natural gas usage limit combined for four boilers (E1-E4) and 48 hours per year limit firing no. 2 fuel oil (testing and maintenance) for each boiler (E1-E4). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	SO <sub>2</sub> $\leq$ 4.52 tons/yr based on natural gas usage limit combined for four boilers (E1-E4) and 48 hours per year limit firing no. 2 fuel oil (testing and maintenance) for each boiler (E1-E4). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

BOP200002

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
6	TSP <= 11.3 tons/yr based on natural gas usage limit combined for four boilers (E1-E4) and 48 hours per year limit firing no. 2 fuel oil (testing and maintenance) for each boiler (E1-E4). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	PM-10 (Total) <= 11.3 tons/yr based on natural gas usage limit combined for four boilers (E1-E4) and 48 hours per year limit firing no. 2 fuel oil (testing and maintenance) for each boiler (E1-E4). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	PM-2.5 (Total) <= 11.3 tons/yr based on PM10 emissions. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Methane <= 1.34 tons/yr based on natural gas usage limit combined for four boilers (E1-E4) and 48 hours per year limit firing no. 2 fuel oil (testing and maintenance) for each boiler (E1-E4). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

BOP200002

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

**Emission Unit:** U1 Four boilers, each 64.4 MMBTU/hr (Natural Gas) and 63.0 MMBTU/hr (#2 Fuel Oil) Boiler (Powerhouse Boilers #1-4)

**Operating Scenario:** OS1 Boiler 1 Natural Gas Firing, OS3 Boiler 2 Natural Gas Firing, OS5 Boiler 3 Natural Gas Firing, OS7 Boiler 4 Natural Gas Firing

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	No visible emissions exclusive of visible condensed water vapor, except for a period no more than 3 minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-3.2(a)] and [N.J.A.C. 7:27-3.2(c)]	None.	None.	None.
2	TSP <= 12.4 lb/hr. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
3	Maximum Gross Heat Input <= 64.4 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(e)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
4	<p>The permittee shall adjust the combustion process annually in the same quarter of each calendar year.</p> <p>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 permittee shall</p> <ol style="list-style-type: none"> <li>1. Inspect the burner, and clean or replace any components of the burner as necessary;</li> <li>2. Inspect the flame pattern and make any adjustments to the burner necessary to optimize the flame pattern consistent with the manufacturer's specifications;</li> <li>3. Inspect the system controlling the air-to-fuel ratio, and ensure that it is correctly calibrated and functioning properly;</li> <li>4. Minimize the total emissions of NOx and CO consistent with the manufacturer's specifications. [N.J.A.C. 7:27-16.8(b)], [N.J.A.C. 7:27-16.8(c)], [N.J.A.C. 7:27-19.16(a)] and [N.J.A.C. 7:27-19.7(g)]</li> </ol>	<p>Monitored by periodic emission monitoring annually. The permittee shall</p> <ol style="list-style-type: none"> <li>1. 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</li> <li>2. Convert the measured emission values of NOx, CO and O2 concentrations to lb/MMBTU according to the following formula: <math>\text{Lb/MMBTU} = \text{ppmvd} * \text{MW} * \text{F dry factor} * \text{O2 correction factor} / 387,000,000</math>, 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: <math>(20.9\%) / (20.9\% - \text{O2 measured})</math>, where O2 measured is percent oxygen on a dry basis. [N.J.A.C. 7:27-19.16(a)]</li> </ol>	<p>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. 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)]</p>	<p>Submit a report: Annually. The permittee 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: <a href="http://www.njdeponline.com">www.njdeponline.com</a>. Instructions for submitting this report online are specified at: <a href="http://www.nj.gov/dep/aqpp/adjustment.htm">http://www.nj.gov/dep/aqpp/adjustment.htm</a>. [N.J.A.C. 7:27-19.16(d)] and. [N.J.A.C. 7:27-19.16(c)]</p>

U1 Four boilers, each 64.4 MMBTU/hr (Natural Gas) and 63.0 MMBTU/hr (

OS1, OS3, OS5, OS7



BOP200002

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
5	The permittee shall ensure that the operating parameter settings are established and recorded after the combustion process is adjusted and that the adjusted equipment or source operation is maintained to operate consistent with the annual adjustment. [N.J.A.C. 7:27-19.16(e)]	None.	Other: The permittee 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.
6	VOC (Total) <= 0.773 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	VOC (Total) <= 50 ppmvd @ 7% O <sub>2</sub> . [N.J.A.C. 7:27-16.8(b)1]	None.	None.	None.
8	NO <sub>x</sub> (Total) <= 3.22 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	NO <sub>x</sub> (Total) <= 0.05 lb/MMBTU. [N.J.A.C. 7:27-19.7(i)2]	None.	None.	None.
10	CO <= 6.12 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
11	CO <= 100 ppmvd @ 7% O <sub>2</sub> . [N.J.A.C. 7:27-16.8(b)2]	None.	None.	None.
12	SO <sub>2</sub> <= 0.515 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
13	TSP <= 1.22 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
14	PM-10 (Total) <= 1.22 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
15	PM-2.5 (Total) <= 1.22 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
16	Methane <= 0.145 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

BOP200002

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

**Emission Unit:** U1 Four boilers, each 64.4 MMBTU/hr (Natural Gas) and 63.0 MMBTU/hr (#2 Fuel Oil) Boiler (Powerhouse Boilers #1-4)

**Operating Scenario:** OS2 Boiler 1 #2 Fuel Oil Firing, OS4 Boiler 2 #2 Fuel Oil Firing, OS6 Boiler 3 #2 Fuel Oil Firing, OS8 Boiler 4 #2 Fuel Oil Firing

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	No visible emissions exclusive of visible condensed water vapor, except for a period no more than 3 minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-3.2(a)] and [N.J.A.C. 7:27-3.2(c)]	None.	None.	None.
2	TSP <= 12.3 lb/hr. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
3	Maximum Gross Heat Input <= 63 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(e)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
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.

BOP200002

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
5	<p>The permittee shall use #2 fuel oil only if:</p> <p>1) The permittee is practicably not able to obtain a sufficient amount of natural gas;</p> <p>2) The permittee is not able to obtain natural gas due to circumstances beyond the control of the permittee, such as a natural gas curtailment;</p> <p>and</p> <p>3) The combustion source ceases using fuel oil in place of natural gas and resumes using natural gas as soon as a sufficient supply of natural gas becomes practicably available.</p> <p>[N.J.A.C. 7:27-19.25(a)] and [N.J.A.C. 7:27-19.25(c)]</p>	None.	<p>Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. Maintain records that include the following:</p> <p>For curtailment periods, 1) information sufficient to identify each combustion source for which the owner or operator claims an exemption, including a brief description of the source, its location, its permit number and other identifying numbers, and any other information necessary to distinguish it from other equipment owned and operated by the facility; 2) a statement that the owner or operator is not practicably able to obtain a sufficient supply of natural gas; 3) the date and time at which the owner or operator first became practicably unable to obtain natural gas; and 4) a description of the circumstances causing the owner or operator's inability to obtain natural gas.</p> <p>If no fuel oil or other liquid fuel was combusted during the year, maintain an on-site certification in accordance with N.J.A.C.7:27-1.39 stating that no fuel oil was combusted during this period.</p> <p>N.J.A.C. 7:27-22.16(o)], [N.J.A.C. 7:27-19.25(c)] and [N.J.A.C. 7:27-19.25(d)]</p>	<p>Submit a report: Annually if fuel oil or other liquid fuel was combusted under the N.J.A.C.7:27-19.25 exemption. Submit the report by March 1 of each year for the preceding calendar year to the Regional Enforcement Office. The annual report shall include items 1) through 4) specified under the Recordkeeping Requirements section. The annual report shall also include any violations which occurred during the previous year. If no violations occurred during the year, the owner or operator shall provide certification that no violations occurred and that the records are maintained at the facility.</p> <p>[N.J.A.C. 7:27-19.19(g)(2)] and [N.J.A.C. 7:27-19.25(d)]</p>

BOP200002

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
6	<p>Hours of Operation While Firing Fuel Oil &lt;= 48 hours / year. Periodic testing on liquid fuel shall not exceed a combined total of 48 hours during any calendar year to qualify as a gas-fired boiler as defined in MACT Subpart JJJJJ, 40 CFR 63.11237.</p> <p>The owner or operator shall not fire fuel oil #2 for testing and maintenance on days when the Department forecasts air quality anywhere in New Jersey to be unhealthy for sensitive groups, unhealthy, or very unhealthy as shown at the Department's air quality permitting web site at <a href="http://www.state.nj.us/dep/aqpp/aqforecast">http://www.state.nj.us/dep/aqpp/aqforecast</a>. [N.J.A.C. 7:27-22.16(a)]</p>	None.	<p>Hours of Operation While Firing Fuel Oil: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]</p>	None.
7	The owner or operator of a combustion source which temporarily combusts fuel oil or other liquid fuel in place of natural gas consistent with N.J.A.C. 7:27-19.25(c) is not required to adjust the combustion process described in N.J.A.C. 7:27-19.16 during the emergency use of fuel oil or other liquid fuel. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	VOC (Total) <= 1.6 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
9	NOx (Total) <= 7.6 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
10	CO <= 6.5 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
11	SO2 <= 0.0945 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
12	TSP <= 6.3 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
13	PM-10 (Total) <= 6.3 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
14	PM-2.5 (Total) <= 6.3 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
15	Methane <= 0.095 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

U1 Four boilers, each 64.4 MMBTU/hr (Natural Gas) and 63.0 MMBTU/hr (Oil)

OS2, OS4, OS6, OS8

BOP200002

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

**Emission Unit:** U7 14.5 MMBTU/hr Cummins Emergency Generator (1500 kW, pre-2004 Model Year, firing #2 fuel oil)

**Operating Scenario:** OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Opacity <= 20 % , exclusive of visible condensed water vapor, except for a period of not longer than 10 consecutive seconds. [N.J.A.C. 7:27- 3.5]	None.	None.	None.
2	Sulfur Content in Fuel <= 15 ppmw (0.0015% by weight). [N.J.A.C. 7:27- 9.2(b)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	None.
3	Generator fuel limited to diesel fuel. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	<p>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:</p> <p>1. During the performance of normal testing and maintenance procedures, as recommended in writing by the manufacturer and/or as required in writing by a Federal or State law or regulation,</p> <p>2. When there is power outage or the primary source of mechanical or thermal energy fails because of an emergency, or 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</p> <p>3. When there is a voltage reduction issued by PJM and posted on the PJM internet website (www.pjm.com) under the "emergency procedures" menu. [N.J.A.C. 7:27-19.1]</p>	None.	<p>Recordkeeping by manual logging of parameter or storing data in a computer data system at the approved frequency. Record the following information:</p> <p>1. 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.</p> <p>2. Document dates of operation under construction, repair, or maintenance activity and total number of days of operation during each calendar year.</p> <p>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. [N.J.A.C. 7:27-22.16(o)] and. [N.J.A.C. 7:27-19.11]</p>	None.

BOP200002

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
5	<p>This emergency generator shall not be used:</p> <p>1. For normal testing and maintenance on days when the Department forecasts air quality anywhere in New Jersey to be "unhealthy for sensitive groups," "unhealthy," or "very unhealthy" as defined in the EPA's Air Quality Index at <a href="http://airnow.gov/">http://airnow.gov/</a>, 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 <a href="http://www.state.nj.us/dep/aqpp/aqforecast">http://www.state.nj.us/dep/aqpp/aqforecast</a>; and</p> <p>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)]</p>	None.	None.	None.

BOP200002

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
6	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)]	None.	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, the Permittee 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; 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 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)]
7	VOC (Total) <= 0.03 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.

BOP200002

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
8	NOx (Total) <= 1.17 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.
9	CO <= 0.31 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.
10	TSP <= 0.02 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.
11	PM-10 (Total) <= 0.02 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	PM-2.5 (Total) <= 0.02 tons/yr. Annual emission limit based on PM-10 emissions. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.



BOP200002

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

**Emission Unit:** U7 14.5 MMBTU/hr Cummins Emergency Generator (1500 kW, pre-2004 Model Year, firing #2 fuel oil)

**Operating Scenario:** OS1 1500 KW Cummins emergency generator

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Hours of Operation <= 100 hr/yr for testing and maintenance. [N.J.A.C. 7:27-22.16(a)]	Hours of Operation: Monitored by hour/time monitor continuously. [N.J.A.C. 7:27-22.16(o)]	Hours of Operation: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The owner or operator shall maintain on site and record the following information:  1.The total operating time from the generator's hour meter.  2.For each time the emergency generator is specifically operated for testing or maintenance:  i. The reason for its operation;  ii. The date(s) of operation and the start up and shut down time;  iii. The total operating time for testing or maintenance based on the generator's hour meter; and  iv. The name of the operator. [N.J.A.C. 7:27-19.11]	None.
2	Maximum Gross Heat Input <= 14.5 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	TSP <= 6.9 lb/hr. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
4	NOx (Total) <= 46.7 lb/hr maximum emission rate based on maximum gross heat input. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	VOC (Total) <= 1.31 lb/hr maximum emission rate based on maximum gross heat input. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

BOP200002

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
6	CO <= 12.4 lb/hr maximum emission rate based on maximum gross heat input. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP <= 0.88 lb/hr maximum emission rate based on maximum gross heat input. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	PM-10 (Total) <= 0.88 lb/hr maximum emission rate based on maximum gross heat input. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	PM-2.5 (Total) <= 0.88 lb/hr based on PM10 emissions. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

BOP200002

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

**Emission Unit:** U11 Fueling Station, 2 Gasoline Storage Tanks, 6,000 and 4,000 gallons (Tank # 11 and 12)

**Operating Scenario:** OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Summary of Applicable Federal Regulations: 40 CFR Part 63 Subpart A 40 CFR Part 63 Subpart CCCCCC [40 CFR Federal Rules Summary]	None.	None.	None.
2	VOC (Total) <= 1.5 tons/yr. Maximum emission rate based on maximum allowable annual throughput. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	Tank contents of the two tanks (6,000 and 4,000 gallon) limited to gasoline. [N.J.A.C. 7:27-22.16(e)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system per delivery. 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)]	None.
4	Above ground fuel storage tank(s) exposed to the sun's rays must be painted 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)1i]	None.	None.	None.
5	The transfer of gasoline into the storage tanks shall be made through a submerged fill pipe. The submerged fill pipe shall be permanently affixed to the tank. [N.J.A.C. 7:27-16.3(c)1i]	None.	None.	None.

BOP200002

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
6	The tank shall be equipped with a Phase I vapor recovery system 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.	None.	None.
7	The tank shall be equipped with a pressure/vacuum relief valve on each atmospheric vent. [N.J.A.C. 7:27-16.3(d)2]	None.	None.	None.
8	The tank shall be equipped with a CARB-certified Phase I Enhanced Vapor Recovery system pressure/vacuum relief vent valve. [N.J.A.C. 7:27-16.3(d)3]	None.	None.	None.
9	The tank shall be equipped with a CARB-certified Phase I enhanced vapor recovery (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 vapor recovery system installed before December 23, 2017, shall comply with this paragraph on or before December 23, 2024. [N.J.A.C. 7:27-16.3(d)4]	None.	None.	None.
10	During the transfer of gasoline into any gasoline-laden vehicular fuel tank, any person refueling a vehicle shall prevent overfilling and spillage and shall 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.

BOP200002

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
11	Each nozzle shall be a CARB-certified enhanced conventional (ECO) nozzle in accordance with CARB certification procedure CP-207, as amended or supplemented. A gasoline dispensing facility installed before December 23, 2017, shall comply with this paragraph as a part of the decommissioning of a Phase II system, and each time a nozzle is replaced thereafter. 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	Each dispenser hose shall be a CARB-certified low permeation hose in accordance with CARB certification procedures CP-201 and CP-207 as amended or supplemented. A gasoline dispensing facility installed before December 23, 2017, shall comply with this requirement as a part of the decommissioning of a Phase II system, and each time a dispenser hose is replaced thereafter. [N.J.A.C. 7:27-16.3(g)4]	None.	None.	None.

BOP200002

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
13	<p>The permittee shall perform tests in accordance with Table 3A of N.J.A.C. 7:27-16 to demonstrate that the facility's vapor recovery systems or equipment are performing properly.</p> <p>At least 14 days prior to performing any tests, the permittee shall notify the Department by e-mail to 14dayUSTnotice@dep.nj.gov and include the name, address, and registration number of the facility, name and contact information for the permittee, 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)]</p>	<p>Other: Each test required to be performed pursuant to N.J.A.C. 7:27-16.3(j)1 shall be conducted utilizing the applicable CARB test method cited in Table 3A of N.J.A.C. 7:27-16. The test methods cited in Table 3A are available at: <a href="https://www.arb.ca.gov/vapor/vapor.htm">https://www.arb.ca.gov/vapor/vapor.htm</a>. A vapor recovery system or equipment shall be deemed to have passed the test if it meets the applicable performance standards and specifications set forth in CARB's Vapor Recovery Certification Procedures and/or Test Procedures, which are incorporated herein by reference. CARB's Vapor Recovery Certification and Testing Procedures may be downloaded from CARB's website at: <a href="https://www.arb.ca.gov/vapor/vapor.htm">https://www.arb.ca.gov/vapor/vapor.htm</a>. [N.J.A.C. 7:27-16.3(j)].</p>	<p>Other: The permittee shall maintain the following records at the facility and have it accessible to the Department upon request:</p> <p>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</p> <p>ii. Record of each test results of each test performed.</p> <p>On the day of the test, any vapor recovery system corrective action, repairs, or equipment replacement shall be recorded with the test results. [N.J.A.C. 7:27-16.3(t)2] &amp; [N.J.A.C. 7:27-16.3(j)4].</p>	<p>Repair equipment: Upon occurrence of event. Upon failure of any test the permittee shall:</p> <p>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 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.</p> <p>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.</p> <p>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)]</p>
14	Any delivery vessel except railroad tank cars or marine tank vessels with a maximum capacity of 2,000 gallons or greater shall have a certification affixed to the vessel in a prominent location which indicates the identification number of the vessel and the date the vessel last passed the pressure and vacuum tests. [N.J.A.C. 7:27-16.3(k)3]	None.	None.	None.
15	The permittee shall not conduct the transfer of gasoline from delivery vessels under a vacuum in excess of 6 inches of water. [N.J.A.C. 7:27-16.3(l)]	None.	None.	None.

BOP200002

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
16	The permittee shall not transfer gasoline if the delivery vessel being unloaded, any control apparatus or other equipment serving the transfer operation has a leak that results in a concentration of VOC greater than or equal to 100% LEL of propane when measured at a distance of 1.0 inch from the location of the leak. [N.J.A.C. 7:27-16.3(p)1i]	None.	None.	None.
17	The permittee shall not transfer gasoline if the delivery vessel being unloaded, any control apparatus, or other equipment serving the transfer operation has a liquid leak. [N.J.A.C. 7:27-16.3(p)1ii]	None.	None.	None.
18	The permittee shall not transfer gasoline if any component of the delivery vessel designed for preventing the release of gasoline vapors is not installed and operating as designed. [N.J.A.C. 7:27-16.3(p)2]	None.	None.	None.
19	The permittee shall not transfer gasoline if the continued transfer would result in a liquid gasoline spill. [N.J.A.C. 7:27-16.3(p)3]	None.	None.	None.
20	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.

BOP200002

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
21	The owner or operator shall comply with all requirements for compliance status reports contained in the source's title V permit, including reports required under 40 CFR 63. Each time a notification of compliance status is required under 40 CFR 63, the permittee 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 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)]
22	The permittee must, at all times, operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation 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, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source. (MACT Subpart CCCCCC) [40 CFR 63.11115(a)]	None.	None.	None.



BOP200002

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
23	<p>The permittee shall not allow gasoline to be handled in a manner that would result in vapor releases to the atmosphere for extended periods of time. Measures to be taken include, but are not limited to, the following:</p> <p>(1) Minimize gasoline spills;</p> <p>(2) Clean up spills as expeditiously as practicable;</p> <p>(3) Cover all open gasoline containers and all gasoline storage tank fill-pipes with a gasketed seal when not in use;</p> <p>(4) Minimize gasoline sent to open waste collection systems that collect and transport gasoline to reclamation and recycling devices, such as oil/water separators (MACT Subpart CCCCCC) [40 CFR 63.11117(a)]</p>	None.	None.	None.

BOP200002

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
24	<p>The permittee must only load gasoline into storage tanks at the facility by utilizing submerged filling, as defined in 40 CFR 63.11132, and as specified in paragraphs (b)(1), (b)(2), or (b)(3) of 40 CFR 63.11117. The applicable distances in paragraphs (b)(1) and (2) shall be measured from the point in the opening of the submerged fill pipe that is the greatest distance from the bottom of the storage tank.</p> <p>(1) Submerged fill pipes installed on or before November 9, 2006, must be no more than 12 inches from the bottom of the tank.</p> <p>(2) Submerged fill pipes installed after November 9, 2006, must be no more than 6 inches from the bottom of the tank.</p> <p>(3) Submerged fill pipes not meeting the specifications of paragraphs (b)(1) or (b)(2) of 40 CFR 63.11117 are allowed if the permittee can demonstrate that the liquid level in the tank is always above the entire opening of the fill pipe. Documentation providing such demonstration must be made available for inspection by the Administrator's delegated representative during the course of a site visit. [40 CFR 63.11117(b)]</p>	None.	None.	None.
25	The permittee must have records available within 24 hours of a request by the Administrator to document gasoline throughput. [40 CFR 63.11117(d)]	None.	None.	None.

BOP200002

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
26	If, prior to January 10, 2008, the permittee is operating in compliance with an enforceable State, local, or tribal rule or permit that requires submerged fill as specified in 40 CFR 63.11117(b), the permittee is not required to submit an Initial Notification or a Notification of Compliance Status under paragraph (a)(1) or paragraph (a)(2) of 40 CFR 63.11124. [40 CFR 63.11124(a)(3)]	None.	None.	None.
27	The permittee shall keep the following records: (1) Records of the occurrence and duration of each malfunction of operation (ie., process equipment) or the air pollution control and monitoring equipment. (2) Records of actions taken during periods of malfunction to minimize emissions in accordance with 40 CFR 63.11115(a), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation. (MACT Subpart CCCCCC) [40 CFR 63.11125(d)]	None.	None.	Submit a report: As per the approved schedule. The permittee shall report, by March 15 of each year, the number, duration, and a brief description of each type of malfunction which occurred during the previous calendar year and which caused or may have caused any applicable emission limitation to be exceeded. The report must also include a description of actions taken by the permittee during a malfunction of an affected source to minimize emissions in accordance with 40 CFR 63.11115(a), including actions taken to correct a malfunction. No report is necessary for a calendar year in which no malfunctions occurred. [40 CFR 63.11126(b)]
28	The permittee shall comply with the General Provisions as shown in Table 3 to Subpart CCCCCC of 40 CFR 63 that apply to Gasoline Dispensing Facilities. (MACT Subpart CCCCCC) [40 CFR 63.11130]	None.	None.	None.

BOP200002

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

**Emission Unit:** U11 Fueling Station, 2 Gasoline Storage Tanks, 6,000 and 4,000 gallons (Tank # 11 and 12)

**Operating Scenario:** OS1 6,000 gal gasoline tank

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Total Throughput <= 20,000 gallons in any month. [N.J.A.C. 7:27-22.16(a)]	Total Throughput: Monitored by material feed/flow monitoring continuously. [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. [N.J.A.C. 7:27-16.3(t)1]	None.

BOP200002

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

**Emission Unit:** U11 Fueling Station, 2 Gasoline Storage Tanks, 6,000 and 4,000 gallons (Tank # 11 and 12)

**Operating Scenario:** OS2 4,000 gal gasoline tank

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Total Throughput <= 15,000 gallons in any month. [N.J.A.C. 7:27-22.16(a)]	Total Throughput: Monitored by material feed/flow monitoring continuously. [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. [N.J.A.C. 7:27-16.3(t)1]	None.

**NJDOC EAST JERSEY STATE PRISON (17994)**  
**BOP200002**

Date: 12/28/2021

**New Jersey Department of Environmental Protection**  
**Facility Profile (General)**

**Facility Name (AIMS):** NJDOC East Jersey State Prison

**Facility ID (AIMS):** 17994

**Street** 1495 RAHWAY AVE  
**Address:** AVENEL, NJ 07001

**Mailing** LCK BAG R  
**Address:** RAHWAY NJ 07065  
RAHWAY, NJ 07065

**County:** Middlesex  
**Location** State Prison  
**Description:**

<b>State Plane Coordinates:</b>	
<b>X-Coordinate:</b>	638,498
<b>Y-Coordinate:</b>	556,863
<b>Units:</b>	New Jersey State Plane 8
<b>Datum:</b>	NAD83
<b>Source Org.:</b>	DEP-GIS
<b>Source Type:</b>	GPS

<b>Industry:</b>	
<b>Primary SIC:</b>	9223
<b>Secondary SIC:</b>	
<b>NAICS:</b>	922140

**New Jersey Department of Environmental Protection**  
**Facility Profile (General)**

**Contact Type: Air Permit Information Contact**

**Organization:** NJDOC East Jersey State Prison

**Org. Type:** State

**Name:** Seth Katz

**NJ EIN:**

**Title:** Engineer in Charge of Maintenance

**Phone:** (732) 396-2707 x

**Mailing Address:** Maintenance Department

**Fax:** ( ) - x

Lock Bag Road

**Other:** ( ) - x

Rahway, NJ 07065

**Type:**

**Email:** Seth.Katz@doc.nj.gov

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**Contact Type: Consultant**

**Organization:** Remington & Vernick Engineers

**Org. Type:**

**Name:** Richard Cestone

**NJ EIN:**

**Title:** Senior Project Engineer

**Phone:** (856) 795-9595 x1903

**Mailing Address:** 232 Kings Highway East

**Fax:** (856) 429-5904 x

Haddonfield, NJ 08033

**Other:** (856) 682-8585 x

**Type:** Mobile

**Email:** richard.cestone@rve.com

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**Contact Type: Fees/Billing Contact**

**Organization:** NJDOC East Jersey State Prison

**Org. Type:** State

**Name:** Henry L. Gantt

**NJ EIN:**

**Title:** Business Administrator

**Phone:** (732) 499-5010 x2708

**Mailing Address:** Lock Bag Road

**Fax:** (732) 499-5753 x

1275 Rahway Avenue

**Other:** ( ) - x

P.O. Box 189

Rahway, NJ 07065

**Type:**

**Email:** henry.l.gantt@doc.nj.gov

**New Jersey Department of Environmental Protection**  
**Facility Profile (General)**

**Contact Type: Operator**

**Organization:** New Jersey Dept of Corrections

**Org. Type:** State

**Name:** New Jersey Dept of Corrections

**NJ EIN:**

**Title:**

**Phone:** (609) 256-3354 x

**Mailing** PO box 863

**Fax:** ( ) - x

**Address:** Whitelesey Road  
Trenton, NJ 08625

**Other:** ( ) - x

**Type:**

**Email:**

---

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

**Organization:** New Jersey Dept of Corrections

**Org. Type:** State

**Name:** New Jersey Dept of Corrections

**NJ EIN:**

**Title:**

**Phone:** (609) 256-3354 x

**Mailing** PO box 863

**Fax:** ( ) - x

**Address:** Whitelesey Road  
Trenton, NJ 08625

**Other:** ( ) - x

**Type:**

**Email:**

---

**Contact Type: Responsible Official**

**Organization:** NJDOC East Jersey State Prison

**Org. Type:** State

**Name:** Seth Katz

**NJ EIN:**

**Title:** Engineer in Charge of Maintenance

**Phone:** (732) 396-2707 x

**Mailing** Maintenance Department

**Fax:** ( ) - x

**Address:** Lock Bag Road  
Rahway, NJ 07065

**Other:** ( ) - x

**Type:**

**Email:** Seth.Katz@doc.nj.gov



**New Jersey Department of Environmental Protection**  
**Insignificant Source Emissions**

IS NJID	Source/Group Description	Equipment Type	Location Description	Estimate of Emissions (tpy)								
				VOC (Total)	NOx	CO	SO	TSP	PM-10	Pb	HAPS (Total)	Other (Total)
IS1	5,000 Gallon Diesel Tank (Storage Tank < = 10,000 gallons and < 0.02 psia)	Storage Vessel	Behind Powerhouse	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.00000000	0.000
IS2	2,000 Gallon Diesel Tank (Storage Tank < = 10,000 gallons and < 0.02 psia)	Storage Vessel	Fueling Station	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.00000000	0.000
IS3	Two (2) 20,000 Gallon No. 2 Fuel Oil Tanks (Storage Tanks > 10,000 gallons and < 0.02 psia)	Storage Vessel	Tanks #1 and #2 (Front of Powerhouse)	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.00000000	0.000
Total				0.040	0.000	0.000	0.000	0.000	0.000	0.000	0.00000000	0.000

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

<b>Equip. NJID</b>	<b>Facility's Designation</b>	<b>Equipment Description</b>	<b>Equipment Type</b>	<b>Certificate Number</b>	<b>Install Date</b>	<b>Grand- Fathered</b>	<b>Last Mod. (Since 1968)</b>	<b>Equip. Set ID</b>
E1	#1 Boiler	64.4 (gas) 63.0 (Oil) MMBTU/hr Boiler	Boiler	01980578	1/1/1963	No		
E2	#2 Boiler	64.4 (gas) 63.0 (Oil) MMBTU/hr Boiler	Boiler	01980579	1/1/1963	No		
E3	#3 Boiler	64.4 (gas) 63.0 (Oil) MMBTU/hr Boiler	Boiler	01980580	1/1/1963	No		
E4	#4 Boiler	64.4 (gas) 63.0 (Oil) MMBTU/hr Boiler	Boiler	01980581	1/1/1963	No		
E7	Main EG	Cummins Emergency Generator (1500 KW)	Emergency Generator	BOP060001	11/29/2004	No		
E11	Fueling Sta.	6,000 gal gasoline tank	Storage Vessel	990001	12/31/1996	No		
E12	Fueling Sta.	4,000 gal gasoline tank	Storage Vessel	990001	12/31/1996	No		

17994 NJDOC EAST JERSEY STATE PRISON BOP200002 E1 (Boiler)  
Print Date: 11/16/2023

Make:	Keeler
Manufacturer:	Keeler
Model:	D17DK10-16
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	64.40
Boiler Type:	Water Tube
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	50,000.00
Fuel Firing Method:	Tangential
Description (if other):	
Draft Type:	Forced
Heat Exchange Type:	Indirect

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

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

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

No

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

No

Comments: Max. Rated Gross Heat Input: 64.4 (Gas), 63.00 (oil) MMBTU/hr

17994 NJDOC EAST JERSEY STATE PRISON BOP200002 E2 (Boiler)  
Print Date: 11/16/2023

Make:	Keeler
Manufacturer:	Keeler
Model:	D17DK10-16
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	64.40
Boiler Type:	Water Tube
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	50,000.00
Fuel Firing Method:	Tangential
Description (if other):	
Draft Type:	Forced
Heat Exchange Type:	Indirect

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

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

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

No

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

No

Comments: Max. Rated Gross Heat Input: 64.4 (Gas), 63.00 (Oil) MMBTU/hr

17994 NJDOC EAST JERSEY STATE PRISON BOP200002 E3 (Boiler)  
Print Date: 11/16/2023

Make:	Keeler
Manufacturer:	Keeler
Model:	D17DK10-16
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	64.40
Boiler Type:	Water Tube
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	50,000.00
Fuel Firing Method:	Tangential
Description (if other):	
Draft Type:	Forced
Heat Exchange Type:	Indirect

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

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

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

No

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

No

Comments: Max. Rated Gross Heat Input: 64.4 (Gas), 63.00 (Oil) MMBTU/hr

17994 NJDOC EAST JERSEY STATE PRISON BOP200002 E4 (Boiler)  
Print Date: 11/16/2023

Make:	Keeler
Manufacturer:	Keeler
Model:	D17DK10-16
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	64.40
Boiler Type:	Water Tube
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	50,000.00
Fuel Firing Method:	Tangential
Description (if other):	
Draft Type:	Forced
Heat Exchange Type:	Indirect

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

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

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

No

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

No

Comments: Max. Rated Gross Heat Input: 64.4 (Gas), 63.00 (Oil) MMBTU/hr

17994 NJDOC EAST JERSEY STATE PRISON BOP200002 E7 (Emergency Generator)  
Print Date: 11/16/2023

Make:	<input type="text" value="Genset Engine"/>	
Manufacturer:	<input type="text" value="Onan Cummins"/>	
Model:	<input type="text" value="1500DFLE"/>	
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	<input type="text" value="14.50"/>	
Will the equipment be used in excess of 500 hours per year?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="radio"/> Yes <input checked="" type="radio"/> No	Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application? <input type="radio"/> Yes <input checked="" type="radio"/> No
Comments:		

17994 NJDOC EAST JERSEY STATE PRISON BOP200002 E11 (Storage Vessel)  
Print Date: 11/16/2023

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

Yes

Exposed to Sunlight?

Shell Color:

White

Description (if other):

Shell Condition:

Paint Condition:

Shell Construction:

Is the Shell Insulated?

Type of Insulation:

Insulation Thickness (in):

Thermal Conductivity of Insulation  
[(BTU)(in)(hr)(ft<sup>2</sup>)(deg F)]:

Shape of Storage Vessel:

Rectangular

Shell Height (From Ground to Roof  
Bottom) (ft):

6.96

Length (ft):

18.71

Width (ft):

7.96

Diameter (ft):

Other Dimension

Description:

Value:

Units:

Fill Method:

Submerged

Description (if other):

Maximum Design Fill Rate:

125.00

Units:

gal/min

Does the storage vessel have  
a roof or an open top?

Roof

Roof Type:

Vertical fixed roof tank

Roof Height (From Roof  
Bottom

to Roof Top) (ft):

Roof Construction:

Primary Seal Type:

Secondary Seal Type:

Total Number of Seals:

Roof Support:

Does the storage vessel  
have a Vapor Return Loop?

Yes

Does the storage vessel



**17994 NJDOC EAST JERSEY STATE PRISON BOP200002 E11 (Storage Vessel)**

**Print Date: 11/16/2023**

Does the storage vessel  
have a Conservation Vent?

No ▼

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:

Equipped with a dual point vapor balance  
system.

17994 NJDOC EAST JERSEY STATE PRISON BOP200002 E12 (Storage Vessel)  
Print Date: 11/16/2023

What type of contents is this storage vessel equipped to contain by design?

Liquids Only

Storage Vessel Type:

Tank

Design Capacity:

4,000

Units:

gallons

Ground Location:

Above Ground

Is the Shell of the Equipment

Yes

Exposed to Sunlight?

Shell Color:

White

Description (if other):

Shell Condition:

Paint Condition:

Shell Construction:

Is the Shell Insulated?

Type of Insulation:

Insulation Thickness (in):

Thermal Conductivity of Insulation  
[(BTU)(in)(hr)(ft<sup>2</sup>)(deg F)]:

Shape of Storage Vessel:

Rectangular

Shell Height (From Ground to Roof  
Bottom) (ft):

6.96

Length (ft):

18.71

Width (ft):

7.96

Diameter (ft):

Other Dimension

Description:

Value:

Units:

Fill Method:

Submerged

Description (if other):

Maximum Design Fill Rate:

125.00

Units:

gal/min

Does the storage vessel have  
a roof or an open top?

Roof

Roof Type:

Vertical fixed roof tank

Roof Height (From Roof  
Bottom

to Roof Top) (ft):

Roof Construction:

Primary Seal Type:

Secondary Seal Type:

Total Number of Seals:

Roof Support:

Does the storage vessel  
have a Vapor Return Loop?

Yes

**17994 NJDOC EAST JERSEY STATE PRISON BOP200002 E12 (Storage Vessel)**

**Print Date: 11/16/2023**

Does the storage vessel  
have a Conservation Vent?

No ▼

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:

Equipped with a dual point vapor balance  
system.

**NJDOC EAST JERSEY STATE PRISON (17994)**  
**BOP200002**

Date: 12/28/2023

**New Jersey Department of Environmental Protection**  
**Emission Points Inventory**

PT NJID	Facility's Designation	Description	Config.	Equiv. Diam. (in.)	Height (ft.)	Dist. to Prop. Line (ft)	Exhaust Temp. (deg. F)			Exhaust Vol. (acfm)			Discharge Direction	PT Set ID
							Avg.	Min.	Max.	Avg.	Min.	Max.		
PT1	#1 Boiler	Boiler 1 Stack	Round	54	33	195	425.0	375.0	500.0	51,210.0	51,210.0	51,210.0	Up	
PT2	#2 Boiler	Boiler 2 Stack	Round	54	33	185	425.0	375.0	500.0	51,210.0	51,210.0	51,210.0	Up	
PT3	#3 Boiler	Boiler 3 Stack	Round	54	33	175	425.0	375.0	500.0	51,210.0	51,210.0	51,210.0	Up	
PT4	#4 Boiler	Boiler 4 Stack	Round	54	33	170	425.0	375.0	500.0	51,210.0	51,210.0	51,210.0	Up	
PT11	Fueling Sta.	Fueling Station Tank Vent	Round	8	20	100	50.0	0.0	100.0	5.0	0.0	10.0	Up	
PT12	Fueling Sta.	Fueling Station Tank Vent	Round	8	20	100	50.0	0.0	100.0	5.0	0.0	10.0	Up	
PT13	Cummins EG	Cummins 1500 Kw EG	Round	13	24	170	900.0	800.0	960.8	10,000.0	9,000.0	10,650.0	Up	

**NJDOC EAST JERSEY STATE PRISON (17994)**  
**BOP200002**

Date: 12/28/2023

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

**U 1 Boilers #1-4 Four boilers, each 64.4 MMBTU/hr (Natural Gas) and 63.0 MMBTU/hr (#2 Fuel Oil) Boiler (Powerhouse Boilers #1-4)**

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	Natural Gas	Boiler 1 Natural Gas Firing	Normal - Steady State	E1		PT1	1-03-006-02	0.0	8,760.0		51,210.0	51,210.0	375.0	500.0
OS2	#2 Fuel Oil	Boiler 1 #2 Fuel Oil Firing	Normal - Steady State	E1		PT1	1-03-005-02	0.0	48.0		51,210.0	51,210.0	375.0	500.0
OS3	Natural Gas	Boiler 2 Natural Gas Firing	Normal - Steady State	E2		PT2	1-03-006-02	0.0	8,760.0		51,210.0	51,210.0	375.0	500.0
OS4	#2 Fuel Oil	Boiler 2 #2 Fuel Oil Firing	Normal - Steady State	E2		PT2	1-03-005-02	0.0	48.0		51,210.0	51,210.0	375.0	500.0
OS5	Natural Gas	Boiler 3 Natural Gas Firing	Normal - Steady State	E3		PT3	1-03-006-02	0.0	8,760.0		51,210.0	51,210.0	375.0	500.0
OS6	#2 Fuel Oil	Boiler 3 #2 Fuel Oil Firing	Normal - Steady State	E3		PT3	1-03-005-02	0.0	48.0		51,210.0	51,210.0	375.0	500.0
OS7	Natural Gas	Boiler 4 Natural Gas Firing	Normal - Steady State	E4		PT4	1-03-006-02	0.0	8,760.0		51,210.0	51,210.0	375.0	500.0
OS8	#2 Fuel Oil	Boiler 4 #2 Fuel Oil Firing	Normal - Steady State	E4		PT4	1-03-005-02	0.0	48.0		51,210.0	51,210.0	375.0	500.0

**NJDOC EAST JERSEY STATE PRISON (17994)**  
**BOP200002**

Date: 12/28/2023

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

**U 7 Main EG 14.5 MMBTU/hr Cummins Emergency Generator (1500 kW, pre-2004 Model Year, firing #2 fuel oil)**

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	Main EG	1500 KW Cummins emergency generator	Standby	E7		PT13	2-03-001-01	0.0	100.0		9,000.0	10,650.0	800.0	960.8

**U 11 Fueling Sta. Fueling Station, 2 Gasoline Storage Tanks, 6,000 and 4,000 gallons (Tank # 11 and 12)**

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	Fueling Sta.	6,000 gal gasoline tank	Normal - Steady State	E11		PT11	4-03-010-08	0.0	8,760.0		0.0	10.0	0.0	100.0
OS2	Fueling Sta.	4,000 gal gasoline tank	Normal - Steady State	E12		PT12	4-03-010-08	0.0	8,760.0		0.0	10.0	0.0	100.0