



## 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 Significant Modification

Permit Activity Number: BOP230004

Program Interest Number: 80293

Mailing Address	Plant Location
WILLIAM PARSONS ENGINEER IN CHARGE OF MAINTENANCE HUNTERDON COGENERATION LP 30 RT 513 Clinton, NJ 08809	EDNA MAHAN CORRECTIONAL FACILITY Edna Mahan Correctional Facility 30 Rt 513 Clinton Hunterdon County

Initial Operating Permit Approval Date: June 3, 1999

Operating Permit Approval Date: Proposed

Operating Permit Expiration Date: June 2, 2024

#### 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 Michael Hogan at (609) 633-1124.

Approved by:

\_\_\_\_\_  
Aliya M. Khan

Enclosure

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

**Facility Name: EDNA MAHAN CORRECTIONAL FACILITY**  
**Program Interest Number: 80293**  
**Permit Activity Number: BOP230004**

**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>• CONTROL DEVICE INVENTORY</li><li>• EMISSION POINT INVENTORY</li><li>• EMISSION UNIT / BATCH PROCESS INVENTORY</li></ul>

## Section A

**Facility Name: EDNA MAHAN CORRECTIONAL FACILITY**

**Program Interest Number: 80293**

**Permit Activity Number: BOP230004**

### **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	0.542	1.96	0.36	N/A	0.011	0.011	0.011	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	0.542	1.96	0.36	N/A	0.011	0.011	0.011	N/A	N/A	25,587

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	1.16	21.1	17.7	0.125	1.60	1.60	1.60	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: EDNA MAHAN CORRECTIONAL FACILITY**

**Program Interest Number: 80293**

**Permit Activity Number: BOP230004**

### **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
N / A	N / A

---

<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: EDNA MAHAN CORRECTIONAL FACILITY**

**Program Interest Number: 80293**

**Permit Activity Number: BOP230004**

### **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: EDNA MAHAN CORRECTIONAL FACILITY**

**Program Interest Number: 80293**

**Permit Activity Number: BOP230004**

### **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: EDNA MAHAN CORRECTIONAL FACILITY**

**Program Interest Number: 80293**

**Permit Activity Number: BOP230004**

### **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>	
IS2	Twelve RBI IW199 Hot Water Heaters (0.199 MMBTU/hr/heater)	7
IS3	Two RBI IW399 Hot Water Heaters (0.399 MMBTU/hr/heater)	7
IS4	Ten RBI IW750 Hot Water Heaters (0.75 MMBTU/hr/heater)	7
IS5	Thirteen RBI IW1000 Hot Water Heaters (0.999 MMBTU/hr/heater)	7
IS6	Five Weil McLain LGB4 Boilers (0.4 MMBTU/hr/boiler)	7
IS7	Eight Weil McLain LGB5 Boilers (0.52 MMBTU/hr/boiler)	7
IS8	Eight Weil McLain SF550 Boilers (0.55 MMBTU/hr/boiler)	7
IS9	Four Weil McLain LGB6 Boilers (0.65 MMBTU/hr/boiler)	7
IS10	Sixteen Weil McLain SF750 Boilers (0.75 MMBTU/hr/boiler)	7
IS11	One 30,000 Gallon Diesel Storage Tank for Emergency Generators	8
IS12	One 600 Gallon Diesel Storage Tank for Groundskeeping Equipment	10
IS13	One 650 Gallon Waste Oil Storage Tank	11
IS14	Main Gate Propane Powered Heater (60,000 BTU/hr)	12
IS15	Visitor Trailer Propane Powered Heater (90,000 BTU/hr)	12
IS16	Administration Building Propane 12 kW EG	13
IS17	Thompson Hall Propane 20 kW EG	13

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

<b>U NJID</b>	<b>U Designation</b>	<b>U Description</b>	
U6	EG1	Emergency Generator 1	14
U7	EG2	Emergency Generator 2	14
U8	EG3	Emergency Generator 3	14
U9	GT	2000 Gallon Gasoline Tank	28

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

**Permit Being Modified**

**Permit Class:** BOP      **Number:** 230002

**Description of Modifications:** This modification updates the current operating permit by removing sources that have been removed from the facility and including sources that have been added to the facility.

The following items were shut down on or before March 23, 2022 and are being removed from the operating permit.

- \* (2) 20,000 gallon fuel oil storage tanks (Insignificant Source: IS1)
- \* (2) 23 MMBtu/hr Boilers (Emission Unit: U2; Equipment: E2 and E3; Emission Point: PT3)
- \* (1) 400 kW diesel fired emergency generator (Emission Unit: U4; Equipment E5; Emission Point PT5)

The following new sources are being added to the operating permit:

- \* (37) NG fired hot water heaters, each with a heat input of < 1MMBtu/hr and permitted to operate 8760 hrs/yr (Insignificant Sources: IS2, IS3, IS4 and IS5).
- \* (41) NG fired boilers, each with a heat input < 1MMBtu/hr and permitted to operate 8760 hr/yr (Insignificant Sources: IS6, IS7, IS8, IS9, IS10).
- \* (1) 30,000 gallon diesel storage tank for the emergency generators (Insignificant Source: IS11).
- \* (3) diesel fired, 1500 kW emergency generators. Each emergency generator will be permitted to operate up to 50 hr/yr for normal testing and maintenance. (Emission Unit: U6, U7 and U8; Equipment: E6, E7 and E8; Emission Point: PT6, PT7 and PT8)

The following existing but currently unpermitted sources are being added to the operating permit:

- \* (1) 600 gallon diesel storage tank (Insignificant Source: IS12)
- \* (1) 650 gallon waste oil storage tank (Insignificant Source: IS13)
- \* (2) Propane fired space heaters, each with a heat input of < 1MMBtu/hr and permitted to operate 8760 hr/yr (Insignificant Source: IS14 and IS15)
- \* (2) Propane fired emergency generators, each with a heat input of <1MMBtu/hr and permitted to operate up to 100 hr/yr for normal testing and maintenance (Insignificant Source: IS16 and IS17)
- \* (1) 2,000 gallon gasoline storage tank with stage 1, dual point vapor recovery system (Emission Unit: U9; Equipment: E9; control device: CD9, Emission Point: PT9).

For each of the new emergency generators, a GOP-003 General Operating Permit, with an annual limit of 100 hr/yr for normal testing and maintenance, has been applied for (activity numbers U6(BOP220001), U7(BOP220002) and U8(BOP220003)). Please withdraw the General Permit applications once this permit is approved.

The facility wide potential to emit will be affected as follows:

NOx: Decrease 4.8 tpy from 27.8 tpy to 23.0 tpy  
CO: Increase 11.14 tpy from 6.86 tpy to 18.0 tpy  
VOC: Increase 1.12 tpy from 0.584 tpy to 1.70 tpy  
SO2: Increase 0.125 tpy from 0.0 tpy to 0.125 tpy  
TSP: Increase 0.79 tpy from 0.82 tpy to 1.61 tpy  
PM-10: Increase 0.79 tpy from 0.82 tpy to 1.61 tpy

**EDNA MAHAN CORRECTIONAL FACILITY (80293)**  
**BOP230004**

Date: 12/5/2023

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

PM-2.5: Increase 0.79 tpy from 0.82 tpy to 1.61 tpy

BOP230004

**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.

BOP230004

**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.	<p>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.</p> <p>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]</p>
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)].	<p>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)]</p>
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.

BOP230004

**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]



BOP230004

**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]

BOP230004

**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.

BOP230004

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

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

BOP230004

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

**Subject Item:** IS2 Twelve RBI IW199 NG Fired Hot Water Heaters (0.199 MMBTU/hr/heater) [HI < 1MMBtu/hr], IS3 Two RBI IW399 NG Fired Hot Water Heaters (0.399 MMBTU/hr/heater) [HI < 1MMBtu/hr], IS4 Ten RBI IW750 NG Fired Hot Water Heaters (0.75 MMBTU/hr/heater) [HI < 1MMBtu/hr], IS5 Thirteen RBI IW1000 NG Fired Hot Water Heaters (0.999 MMBTU/hr/heater) [HI < 1MMBtu/hr], IS6 Five Weil McLain LGB4 NG Fired Boilers (0.4 MMBTU/hr/boiler) [HI < 1MMBtu/hr], IS7 Eight Weil McLain LGB5 NG Fired Boilers (0.52 MMBTU/hr/boiler) [HI < 1MMBtu/hr], IS8 Eight Weil McLain SF550 NG Fired Boilers (0.55 MMBTU/hr/boiler) [HI < 1MMBtu/hr], IS9 Four Weil McLain LGB6 NG Fired Boilers (0.65 MMBTU/hr/boiler) [HI < 1MMBtu/hr], IS10 Sixteen Weil McLain SF750 NG Fired Boilers (0.75 MMBTU/hr/boiler) [HI < 1MMBtu/hr]

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	No visible emissions exclusive of condensed water vapor, except for no more than 3 minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-3.2(a)] and [N.J.A.C. 7:27-3.2(c)]	None.	None.	None.

BOP230004

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

**Subject Item:** IS11 One 30,000 Gallon Diesel Storage Tank for Emergency Generators

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

BOP230004

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
8	The owner or operator shall have readily available upon Department request a statement certified in accordance with N.J.A.C. 7-27-1.39, signed by the responsible official, as defined at N.J.A.C. 7:27-1.4, that: (1) specifies the contents of the tank; (2) affirms that the tank or vessel meets the above applicable requirements and (3) attests that the tank or vessel is in compliance with all other applicable State or federal air pollution requirements. [N.J.A.C. 7:27-22.1]	None.	None.	None.
9	Sulfur Content in Fuel <= 15 ppmw (0.0015% by weight). Maximum allowable sulfur content in No. 2 and lighter fuel oil (including diesel fuel). [N.J.A.C. 7:27-9.2(a)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery. [N.J.A.C. 7:27-22.16(o)]	Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	None.

BOP230004

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

**Subject Item:** IS12 One 600 Gallon Diesel Storage Tank for Groundskeeping Equipment [Capacity < 2,000 gal]

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Sulfur Content in Fuel <= 15 ppmw (0.0015% by weight). Maximum allowable sulfur content in No. 2 and lighter fuel oil. [N.J.A.C. 7:27- 9.2(a)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery. [N.J.A.C. 7:27-22.16(o)]	Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	None.
2	Fuel stored in New Jersey that met the applicable maximum sulfur content standard of Tables 1A or 1B of N.J.A.C. 7:27-9.2 at the time the fuel was stored in New Jersey may be stored, offered for sale, sold, delivered or exchanged in trade, for use in New Jersey, after the effective date of the applicable standard in Table 1B. [N.J.A.C. 7:27- 9.2(a)]	None.	None.	None.

BOP230004

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

**Subject Item:** IS13 One 650 Gallon Waste Oil Storage Tank [Capacity < 2,000 gal]

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Opacity may be no greater than 20% exclusive of visible condensed water, except for a period of not longer than 3 minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-6.2(d)] &. [N.J.A.C. 7:27- 6.2(e)]	None.	None.	None.
2	No Visible Emissions, exclusive of condensed water vapor, except for no more than 3 minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.



New Jersey Department of Environmental Protection  
Facility Specific Requirements

Subject Item: IS14 Main Gate Propane Fired Heater (60,000 BTU/hr) [HI < 1MMBtu/hr], IS15 Visitor Trailer Propane Fired Heater (90,000 BTU/hr) [HI < 1MMBtu/hr]

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	No visible emissions exclusive of condensed water vapor, except for no more than 3 minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-3.2(a)] and [N.J.A.C. 7:27-3.2(c)]	None.	None.	None.

BOP230004

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

**Subject Item:** IS16 Administration Building Propane Fired 12 kW Emergency Generator, IS17 Thompson Hall Propane Fired 20 kW Emergency Generator

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Opacity <= 20 % , exclusive of visible, condensed water vapor, for more than 10 consecutive seconds. [N.J.A.C. 7:27- 3.5]	None.	None.	None.
2	Hours of Operation <= 100 hr/yr while firing propane gas for testing and maintenance. The limit on the allowable hours for testing and maintenance, in accordance with documentation from the manufacturer, the vendor, or the insurance company associated with the engine. [N.J.A.C. 7:27-22.16(a)]	<p>Hours of Operation: Monitored by hour/time monitor upon occurrence of event.</p> <p>The permittee shall install, calibrate and maintain the monitor(s) in accordance with the manufacturer's specifications.</p> <p>The monitor shall be ranged such that the allowable value is approximately mid-scale of the full range current / voltage output. [N.J.A.C. 7:27-22.16(o)]</p>	<p>Hours of Operation: Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The owner or operator shall maintain on site and record the following information:</p> <p>For each time the emergency generator is specifically operated for testing or maintenance:</p> <ul style="list-style-type: none"> <li>i. The reason for its operation;</li> <li>ii. The date(s) of operation and the start up and shut down time;</li> <li>iii. The total operating time for testing or maintenance based on the generator's hour meter; and</li> <li>iv. The name of the operator. [N.J.A.C. 7:27-19.11]</li> </ul>	None.

BOP230004

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

**Emission Unit:** U6 Emergency Generator 1, U7 Emergency Generator 2, U8 Emergency Generator 3

**Operating Scenario:** OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Summary of Applicable Federal Regulations: 40 CFR 60 Subpart A; 40 CFR 60 Subpart IIII; and 40 CFR 63 Subpart ZZZZ [40 CFR Federal Rules Summary]	None.	None.	None.
2	The owner or operator shall keep records of engine manufacturer data for the life of the equipment showing the rated Maximum Gross Heat Input, Maximum Rated Power Output, Model Year and Displacement. [N.J.A.C. 7:27-22.16(a)]	None.	Other: The owner or operator shall keep records of engine manufacturer data for the life of the equipment showing the rated Maximum Gross Heat Input, Maximum Rated Power Output, Model Year and Displacement. [N.J.A.C. 7:27-22.16(o)].	None.

BOP230004

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
3	<p>The emergency generator shall be located at the facility and produce mechanical or thermal energy, or electrical power exclusively for use at the facility. This emergency generator shall be operated only:</p> <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>	<p>Monitored by hour/time monitor continuously.</p> <p>In addition, the owner or operator shall monitor, once per month, the total operating time from the generator's hour meter; hours of operation for emergency use; hours of operation for testing and maintenance; and the total fuel usage calculated by the following:</p> <p>Fuel Usage (Gallons per month) = (Hours of operation per month) x (Maximum emergency generator fuel usage rate in gallons per hour).</p> <p>Hours of operation for emergency use (per month) = (The monthly total operating time from the generator's hour meter) - (The monthly total operating time for testing or maintenance) [N.J.A.C. 7:27-22.16(o)]</p>	<p>Recordkeeping by manual logging of parameter or storing data in a computer data system at the approved frequency. The owner or operator shall maintain on site and record the following information:</p> <p>1. Once per month, the total operating time from the generator's hour meter, the fuel usage (gallons per month), and the monthly hours of operation for emergency use and during power disruption from CRM. Document if the emergency use was due to internal or external loss of primary source of energy, or due to a fire or flood. If internal loss at the facility, document the emergency and/or CRM that occurred, the damages to the primary source of energy and the amount of time needed for repairs.</p> <p>2. For each time the emergency generator is specifically operated for testing or maintenance:</p> <ol style="list-style-type: none"> <li>The reason for its operation;</li> <li>The date(s) of operation and the start up and shut down time;</li> <li>The total operating time for testing or maintenance based on the generator's hour meter; and</li> <li>The name of the operator; and</li> </ol> <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.</p> <p>The owner or operator of an emergency generator shall maintain the above records for a period no less than 5 years after the record was made and shall make the records readily available to the Department or the EPA upon request. [N.J.A.C. 7:27-22.16(o)] and [N.J.A.C. 7:27-19.11]</p>	None.

BOP230004

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
4	<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.
5	<p>NOx (Total) &lt;= 0.652 tons/yr. Annual emission limit for each emergency generator based on combustion of diesel fuel for 50 hr/yr for testing and maintenance. [N.J.A.C. 7:27-22.16(a)]</p>	<p>NOx (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]</p>	<p>NOx (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Maintain initial calculations and make available to the Department upon request. [N.J.A.C. 7:27-22.16(o)]</p>	None.

BOP230004

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
6	CO <= 0.12 tons/yr. Annual emission limit for each emergency generator based on combustion of diesel fuel for 50 hr/yr for testing and maintenance. [N.J.A.C. 7:27-22.16(a)]	CO: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	CO: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Maintain initial calculations and make available to the Department upon request. [N.J.A.C. 7:27-22.16(o)]	None.
7	VOC (Total) <= 0.00734 tons/yr. Annual emission limit for each emergency generator based on combustion of diesel fuel for 50 hr/yr for testing and maintenance. [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Maintain initial calculations and make available to the Department upon request. [N.J.A.C. 7:27-22.16(o)]	None.
8	TSP <= 0.00367 tons/yr. Annual emission limit for each emergency generator based on combustion of diesel fuel for 50 hr/yr for testing and maintenance. [N.J.A.C. 7:27-22.16(a)]	TSP: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	TSP: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Maintain initial calculations and make available to the Department upon request. [N.J.A.C. 7:27-22.16(o)]	None.
9	PM-10 (Total) <= 0.00367 tons/yr. Annual emission limit for each emergency generator based on combustion of diesel fuel for 50 hr/yr for testing and maintenance. [N.J.A.C. 7:27-22.16(a)]	PM-10 (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	PM-10 (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Maintain initial calculations and make available to the Department upon request. [N.J.A.C. 7:27-22.16(o)]	None.
10	PM-2.5 (Total) <= 0.00367 tons/yr. Annual emission limit for each emergency generator based on combustion of diesel fuel for 50 hr/yr for testing and maintenance. [N.J.A.C. 7:27-22.16(a)]	PM-2.5 (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	PM-2.5 (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Maintain initial calculations and make available to the Department upon request. [N.J.A.C. 7:27-22.16(o)]	None.
11	All requests, reports, applications, submittals, and other communications to the Administrator pursuant to Part 60 shall be submitted in duplicate to the Regional Office of US Environmental Protection Agency. Submit information to: Director, Division of Enforcement & Compliance Assistance, US EPA, Region 2, 290 Broadway, New York, NY 10007-1866. [40 CFR 60.4(a)]	None.	None.	Submit a report: As per the approved schedule to EPA Region 2 as required by 40 CFR 60. [40 CFR 60.4(a)]

BOP230004

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
12	Copies of all information submitted to EPA pursuant to 40 CFR Part 60, must also be submitted to the appropriate Regional Enforcement Office of NJDEP. [40 CFR 60.4(b)]	None.	None.	Submit a report: As per the approved schedule to the appropriate Regional Enforcement Office of NJDEP as required by 40 CFR 60. [40 CFR 60.4(b)]
13	The owner or operator shall maintain a file, suitable for inspection, of all monitoring measurements as indicated in Recordkeeping Requirement column. [40 CFR 60.7(f)]	None.	Other: The file shall include all measurements (including continuous monitoring system, monitoring device, and performance testing measurements), all continuous monitoring system performance evaluations, all continuous monitoring system or monitoring device calibration checks, all adjustments/maintenance performed on these systems or devices, and all other information required by 40 CFR Part 60 recorded in a permanent form suitable for inspection. The file shall be retained for at least two years following the dates of the record, except as prescribed in 40 CFR 60.7(f)(1) through (3). Sources subject to 40 CFR 70, are required to retain records of all required monitoring data and support information for a period of at least 5 years from the date of the monitoring sample, measurement, report, or application, per 40 CFR 70.6(a)(3)(ii)(B). [40 CFR 60.7(f)].	None.

BOP230004

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
14	At all times, including periods of start-up, shutdown, and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, opacity observations, review of operation and maintenance procedures, and inspection of the source. [40 CFR 60.11(d)]	None.	None.	None.
15	No owner or operator subject to NSPS standards in Part 60, shall build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere. [40 CFR 60.12]	None.	None.	None.
16	The owner or operator shall notify the Administrator of the proposed replacement of components. [40 CFR 60.15]	None.	None.	Submit notification: At a common schedule agreed upon by the operator and the Administrator. The notification shall include information listed under 40 CFR Part 60.15(d). The notification shall be postmarked 60 days (or as soon as practicable) before construction of the replacements is commenced. [40 CFR 60.15(d)]



BOP230004

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
17	Changes in time periods for submittal of information and postmark deadlines set forth in this subpart, may be made only upon approval by the Administrator and shall follow procedures outlined in 40 CFR Part 60.19. [40 CFR 60.19]	None.	None.	None.
18	Owners and operators of stationary CI internal combustion engines must operate and maintain stationary CI ICE that achieve the emission standards as required in 40 CFR 60.4204 and 60.4205 over the entire life of the engine. [40 CFR 60.4206]	None.	Other: The owner or operator shall keep the manufacturer's emission-related written instructions over the entire life of the engine. [40 CFR 60.4206].	None.
19	Beginning October 1, 2010, the CI internal combustion engines with a displacement of less than 30 liters per cylinder subject to NSPS IIII (manufactured after April 1, 2006 or modified or reconstructed after July 11, 2005) that use diesel fuel must use diesel fuel that meets the requirements of 40 CFR 80.510(b) that contains the following per gallon standards: 15 ppm (0.0015 percent) maximum sulfur content and either a minimum cetane index of 40 or a maximum aromatic content of 35 volume percent, except that any existing diesel fuel purchased (or otherwise obtained) prior to October 1, 2010, may be used until depleted. [40 CFR 60.4207(b)]	Monitored by review of fuel delivery records once per bulk fuel shipment. For each diesel delivery received, the owner or operator shall review written documentation of the delivery to ensure the maximum allowable fuel oil sulfur content and either a minimum cetane index or a maximum aromatic content is not being exceeded. Such written documentation can include, but is not limited to: bill of lading, delivery invoice, certificate of analysis. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by invoices / bills of lading / certificate of analysis once per bulk fuel shipment. The owner or operator shall keep records of fuel showing oil sulfur content and either a minimum cetane index or a maximum aromatic content for each delivery received. All records must be maintained for a minimum of 2 years following the date of such records per 40 CFR 60.7(f). [N.J.A.C. 7:27-22.16(o)]	None.
20	The owner or operator that must comply with the emission standards specified in NSPS IIII must operate and maintain the stationary CI internal combustion engine and control device, except as permitted under 40 CFR 60.4211(g), according to the manufacturer's emission-related written instructions. In addition, owners and operators may only change emission-related settings that are permitted by the manufacturer. The owner or operator must also meet the requirements of 40 CFR parts 89, 94 and/or 1068, as applicable. [40 CFR 60.4211(a)]	None.	Other: The owner or operator shall keep the manufacturer's emission-related written instructions. [40 CFR 60.4211].	None.

BOP230004

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

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

BOP230004

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

Emission Unit: U6 Emergency Generator 1

Operating Scenario: OS1 Emergency Generator 1

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	Particulate Emissions <= 6.98 lb/hr. Particulate emission limit from the combustion of diesel fuel based on rated heat input of the source (14.9 MMBtu/hr). [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
3	Sulfur Content in Fuel <= 0.0015 % by weight. Maximum allowable sulfur content in No. 2 and lighter fuel oil (including diesel fuel) shall be no more than 15 ppm (0.0015% by wt.). [N.J.A.C. 7:27- 9.2(b)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery. [N.J.A.C. 7:27-22.16(o)]	Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing sulfur content. [N.J.A.C. 7:27-22.16(o)]	None.
4	Generator fuel limited to diesel fuel. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	Maximum Gross Heat Input <= 14.9 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Maintain documentation showing the maximum heat input rating.[N.J.A.C. 7:27-22.16(o)].	None.

BOP230004

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
6	Hours of Operation While Firing Diesel <= 50 hr/yr for testing and maintenance. The limit on the allowable hours for testing and maintenance, in accordance with documentation from the manufacturer, the vendor, or the insurance company associated with the engine. [N.J.A.C. 7:27-22.16(a)]	<p>Hours of Operation While Firing Diesel: Monitored by hour/time monitor upon occurrence of event.</p> <p>The permittee shall install, calibrate and maintain the monitor(s) in accordance with the manufacturer's specifications.</p> <p>The monitor shall be ranged such that the allowable value is approximately mid-scale of the full range current / voltage output. [N.J.A.C. 7:27-22.16(o)]</p>	<p>Hours of Operation While Firing Diesel: Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The owner or operator shall maintain on site and record the following information:</p> <p>For each time the emergency generator is specifically operated for testing or maintenance:</p> <ul style="list-style-type: none"> <li>i. The reason for its operation;</li> <li>ii. The date(s) of operation and the start up and shut down time;</li> <li>iii. The total operating time for testing or maintenance based on the generator's hour meter; and</li> <li>iv. The name of the operator. [N.J.A.C. 7:27-19.11]</li> </ul>	None.
7	NOx (Total) <= 26.1 lb/hr. Hourly emission limit based on emission factor of 5.33 g/hp-hr and a rated horsepower of 2220 hp. [N.J.A.C. 7:27-22.16(a)]	NOx (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	NOx (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Maintain initial calculations and make available to the Department upon request. [N.J.A.C. 7:27-22.16(o)]	None.
8	CO <= 4.8 lb/hr. Hourly emission limit based on emission factor of 0.98 g/hp-hr and a rated horsepower of 2220 hp. [N.J.A.C. 7:27-22.16(a)]	CO: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	CO: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Maintain initial calculations and make available to the Department upon request. [N.J.A.C. 7:27-22.16(o)]	None.
9	VOC (Total) <= 0.294 lb/hr. Hourly emission limit based on emission factor of 0.06 g/hp-hr and a rated horsepower of 2220 hp. [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Maintain initial calculations and make available to the Department upon request. [N.J.A.C. 7:27-22.16(o)]	None.

BOP230004

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
10	TSP $\leq$ 0.147 lb/hr. Hourly emission limit based on emission factor of 0.03 g/hp-hr and a rated horsepower of 2220 hp. [N.J.A.C. 7:27-22.16(a)]	TSP: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	TSP: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Maintain initial calculations and make available to the Department upon request. [N.J.A.C. 7:27-22.16(o)]	None.
11	PM-10 (Total) $\leq$ 0.147 lb/hr. Hourly emission limit based on emission factor of 0.03 g/hp-hr and a rated horsepower of 2220 hp. [N.J.A.C. 7:27-22.16(a)]	PM-10 (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	PM-10 (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Maintain initial calculations and make available to the Department upon request. [N.J.A.C. 7:27-22.16(o)]	None.
12	PM-2.5 (Total) $\leq$ 0.147 lb/hr. Hourly emission limit based on emission factor of 0.03 g/hp-hr and a rated horsepower of 2220 hp. [N.J.A.C. 7:27-22.16(a)]	PM-2.5 (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	PM-2.5 (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Maintain initial calculations and make available to the Department upon request. [N.J.A.C. 7:27-22.16(o)]	None.
13	The owner or operator of a 2007 model year and later emergency generator with a displacement of < 10 liters per cylinder and a maximum engine power $\geq$ 37 kW (HP $\geq$ 50 ) and no greater than 3,000HP ( $\leq$ 2,237 kW) must comply with the certification emissions standards in 40 CFR 89.112 and smoke standards in 40 CFR 89.113 for the same model year and maximum engine power as follows: NMHC + NO <sub>x</sub> $\leq$ 6.4 g/kW-hr, CO $\leq$ 3.5 g/kW-hr, PM $\leq$ 0.2 g/kW-hr, weighted average emissions as defined in 40 CFR 89.404. [40 CFR 60.4205(b)]	None.	Other: The owner or operator of a 2007 model year or later engine must keep manufacturer certification showing compliance with the applicable emission standards, for the same model year and maximum engine power. [40 CFR 60.4211].	None.

BOP230004

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
14	The owner or operator of a 2007 model year and later stationary CI internal combustion engine complying with the emission standards specified in 40 CFR 60.4205(b), must comply by purchasing an engine certified to the emission standards in 40 CFR 60.4205(b), for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's emission-related specifications. [40 CFR 60.4211(c)]	None.	Other: The owner or operator must keep documentation from the manufacturer, for the life of the equipment, that the engine is certified to meet the emission standards as applicable, for the same model year and maximum engine power. If the engine and control device is not installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions, or emission-related settings are changed in a way that is not permitted by the manufacturer, the owner or operator must demonstrate compliance as prescribed at 40 CFR 60.4211(g)(1), (2) or (3) depending on the maximum engine power. [40 CFR 60.4211(c)].	None.

**BOP230004**

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

**Emission Unit:** U7 Emergency Generator 2

**Operating Scenario:** OS1 Emergency Generator 2

The requirements for this item are identical to those for: U6 OS1

**BOP230004**

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

**Emission Unit:** U8 Emergency Generator 3

**Operating Scenario:** OS1 Emergency Generator 3

The requirements for this item are identical to those for: U6 OS1



BOP230004

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

Emission Unit: U9 2000 Gallon Gasoline Tank

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	Tank content limited to Gasoline. [N.J.A.C. 7:27-22.16(a)]	Monitored by review of fuel delivery records per delivery. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by invoices / bills of lading / certificate of analysis once per bulk fuel shipment. [N.J.A.C. 7:27-22.16(o)]	None.
3	Total Throughput <= 8,000 gal/yr. Annual throughput limit is 8,000 gallons of gasoline during any 12 consecutive month period. [N.J.A.C. 7:27-22.16(o)]	Total Throughput: Monitored by material feed/flow monitoring each month during operation, based on a consecutive 12 month period (rolling 1 month basis). Permittee shall monitor monthly gasoline throughput by inspecting fuel flow totalizer on each pump once daily. The permittee shall sum the monthly throughput and the previous eleven months throughput to obtain the annual throughput. [N.J.A.C. 7:27-22.16(o)]	Total Throughput: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. Permittee shall record the monthly gasoline throughput. All records must be maintained onsite for a minimum of 5 years and made readily accessible to the Department upon request. [N.J.A.C. 7:27-22.16(o)]	None.
4	VOC (Total) <= 0.52 tons/yr. Maximum annual emission, based on a throughput of 8,000 gallons of gasoline during a 12 consecutive month period. [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Maintain initial calculations and make available to the Department upon request. [N.J.A.C. 7:27-22.16(o)]	None.
5	All HAPs emissions shall be below reporting threshold indicated at N.J.A.C. 7:27-17.9, Table 2. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

BOP230004

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
6	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]	Monitored by visual determination twice a year, based on an instantaneous determination. The Permittee shall visually inspect the exterior condition of the tank(s) every 6 months. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system twice a year. The Permittee shall record in either a log book or in readily accessible computer files, exterior paint condition of each tank every 6 months. [N.J.A.C. 7:27-22.16(o)]	Repair equipment: Upon occurrence of event. The permittee shall paint the exterior of the tank white if the visual inspection indicates that 30% or greater of the exterior conditions needs to be repainted. [N.J.A.C. 7:27-16.16(o)]
7	Pursuant to N.J.A.C. 7:27-16.2, the owner or operator of this storage tank 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)1]	Monitored by review of fuel delivery records per delivery of tank's contents. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by invoices / bills of lading per delivery. [N.J.A.C. 7:27-22.16(o)]	None.
8	The transfer of gasoline into a receiving vessel, having a maximum capacity of 2,000 gallons or greater, shall be made through a submerged fill pipe. If the receiving vessel is a stationary storage tank (either above ground or underground), the submerged fill pipe shall be permanently affixed to the tank. [N.J.A.C. 7:27-16.3(c)1i]	None.	None.	None.
9	The transfer of gasoline from any delivery vessel into any stationary storage tank, having a maximum capacity of 2,000 gallons or greater, shall only occur if the storage tank meets the requirements of N.J.A.C. 7:27-16.2. [N.J.A.C. 7:27-16.3(d)]	None.	None.	None.
10	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.

BOP230004

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
11	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.
12	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.
13	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. However, a Phase I VRS that is using a single point vapor balance system (coaxial) installed before December 23, 2017, is not required to install a dual point vapor balance system or rotatable adapters and does not need to comply with EVR requirements. [N.J.A.C. 7:27-16.3(d)4]	None.	None.	None.
14	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.

BOP230004

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
15	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.
16	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 paragraph 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.

BOP230004

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
17	<p>The owner or operator shall perform tests in accordance with Table 3A of N.J.A.C. 7:27-16.3 to demonstrate that the facility's vapor recovery systems or equipment are performing properly as follows:</p> <p>Each test set forth in Table 3A, that is applicable to the facility, shall be conducted in accordance with the schedule for testing given in the table;</p> <p>Each test required to be performed shall be conducted using the applicable CARB test method cited in Table 3A, or using some other method approved by the Department and the EPA. A copy of the test methods cited in Table 3A is available at <a href="https://www.arb.ca.gov/vapor/vapor.htm">www.arb.ca.gov/vapor/vapor.htm</a>;</p> <p>At least 14 days prior to performing any tests, the owner or operator shall notify the Department by e-mail to <a href="mailto:14dayUSTnotice@dep.nj.gov">14dayUSTnotice@dep.nj.gov</a> and include the name, address, and registration number of the facility, name and contact information for the owner and operator, the name and contact information of the 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 <a href="mailto:14dayUSTnotice@dep.nj.gov">14dayUSTnotice@dep.nj.gov</a> 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 <a href="mailto:14dayUSTnotice@dep.nj.gov">14dayUSTnotice@dep.nj.gov</a> 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>
18	<p>Upon the request of the Department, the owner or operator of a gasoline dispensing facility shall provide the testing documentation and results required pursuant to N.J.A.C. 7:27-16.3(j) above and N.J.A.C. 7:27-16.3(t) below to the Department, either at the facility or to the Department's offices, as specified by the Department. [N.J.A.C. 7:27-16.3(j)9]</p>	None.	None.	None.

BOP230004

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
19	Upon the request of the Department, the owner or operator of a gasoline dispensing facility shall demonstrate the efficiency of the facility's vapor recovery system in reducing the total applicable VOC emissions released from the facility into the outdoor atmosphere, as required pursuant to N.J.A.C. 7:27-16.3(d)1 and/or N.J.A.C. 7:27-16.3(f)1 above, in accordance with test procedures or documentation approved by the Department. [N.J.A.C. 7:27-16.3(j)10]	None.	None.	None.
20	Any delivery vessel having a maximum capacity of 2,000 gallons or greater, except railroad tank cars or marine tank vessels, shall not contain gasoline unless:  1. The delivery vessel sustains a pressure change of less than 3 inches of water (six millimeters of mercury) in five minutes when pressurized to 18 inches of water (34 millimeters of mercury) and evacuated to six inches of water (11 millimeters of mercury). 2. Pressure and vacuum tests are performed on the delivery vessel at least once in every 12-month period, in accordance with test procedures specified by the Department, to determine whether or not the requirements of N.J.A.C. 7:27-16.3(k)(1) are met. 3. A certification is affixed to the delivery 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)]	None.	Other: Keep a record of certification with the delivery vessel at all times and make it available upon request. The record of certification shall include the name and address of the delivery vessel owner; the delivery vessel identification number; and, for each test performed, the test method used, the testing location, date of test, tester's name and signature, and test results.[N.J.A.C. 7:27-16.3(k)4].	None.

BOP230004

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
21	The permittee shall not transfer gasoline, to or from a delivery vessel, if the transfer is subject to the provisions of N.J.A.C. 7:27-16.3(d), and N.J.A.C. 7:27-16.3(m) or N.J.A.C. 7:27-16.3(n), and if the delivery vessel being loaded is under a pressure in excess of 18 inches of water (34 millimeters of mercury) gauge or the delivery vessel being unloaded is under a vacuum in excess of six inches of water (11 millimeters of mercury) gauge. [N.J.A.C. 7:27-16.3(l)]	None.	None.	None.
22	The permittee shall not transfer gasoline in a delivery vessel having a maximum capacity of 2,000 gallons or greater unless such vessel is vapor-tight at all times while containing any VOC except during periods of emergency conditions, gauging, or venting through a vapor control system approved by the Department. [N.J.A.C. 7:27-16.3(m)]	None.	None.	None.
23	<p>The permittee shall not transfer gasoline or any other substance into a gasoline vapor laden delivery vessel having a maximum capacity of 2,000 gallons (7,570 liters) or greater, unless:</p> <p>1. The transfer operation is conducted at a gasoline loading facility equipped with a vapor control system that meets the requirement of N.J.A.C. 7:27-16.3(o) below, the vapor control system is properly connected to the delivery vessel, and the vapor control system is properly operated throughout the duration of the transfer operation; or</p> <p>2. The delivery vessel is being used for the purpose of holding gasoline from a storage tank during a period in which the storage tank is undergoing repair or maintenance and the duration of this use is limited to less than one month. [N.J.A.C. 7:27-16.3(n)]</p>	None.	None.	None.

BOP230004

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
24	<p>The permittee shall not transfer any gasoline or any other substance into any gasoline vapor laden delivery vessel, except at a gasoline loading facility that is equipped and operating with a vapor control system in accordance with the following:</p> <p>1. At a facility where the daily loading rate does not exceed 15,000 gallons of gasoline per day, as determined in accordance with N.J.A.C. 7:27-16.3(o)3, the facility shall be equipped and operating with a vapor balance system or some other vapor control system of equal or higher efficiency. Such vapor balance system shall not have a vent that is open to the atmosphere during transfer and shall not return the vapors to a tank equipped with a floating roof.</p> <p>2. At a facility where the daily load rate exceeds, or may exceed, 15,000 gallons of gasoline per day, as determined in accordance with N.J.A.C. 7:27-16.3(o)3, the facility shall be equipped and operating with a vapor control system which:</p> <p style="margin-left: 40px;">i: Prevents applicable VOC emissions to the outdoor atmosphere from exceeding the maximum allowable emissions as determined from Table 3B; or</p> <p style="margin-left: 40px;">ii. Reduces the total applicable VOC emissions to the outdoor atmosphere by no less than 90%, by weight. [N.J.A.C. 7:27-16.3(o)]</p>	<p>Monitored by calculations daily, based on one calendar day.</p> <p>Calculate the daily loading rate, each day, in order to determine which applicable requirement applies.</p> <p>For the purpose of N.J.A.C. 7:27-16.3(o)1 and N.J.A.C. 7:27-16.3(o)2, a gasoline loading facility's daily loading rate shall be it's average daily rate during the month, in which the facility had it's highest monthly throughput in the last 12 months of operation. [N.J.A.C. 7:27-16.3(o)3]</p>	Recordkeeping by manual logging of parameter or storing data in a computer data system daily. [N.J.A.C. 7:27-22.16(o)]	None.



BOP230004

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
25	The permittee shall not transfer gasoline if the delivery vessel being loaded or unloaded, the vapor control system or any other equipment serving the transfer operation has a vapor leak that results in a concentration of applicable VOC greater than or equal to 100% of the lower explosive limit (LEL) of propane when measured at a distance of 1.0 inch or less from the location of the leak. [N.J.A.C. 7:27-16.3(p)1i]	None.	None.	None.
26	The permittee shall not transfer gasoline if the delivery vessel being loaded or unloaded, the vapor control system or any other equipment serving the transfer operation has a liquid leak. [N.J.A.C. 7:27-16.3(p)1ii]	None.	None.	None.
27	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.
28	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.

BOP230004

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
29	<p>The permittee shall not transfer gasoline at a gasoline loading facility, into or from a delivery vessel, or at a gasoline dispensing facility that is required to have a vapor control system pursuant to N.J.A.C. 7:27-16.3(d), (f)1, (n), or (o) unless:</p> <ol style="list-style-type: none"> <li>1. The vapor control system is designed to meet the applicable requirements in N.J.A.C. 7:27-16.3(d), (f), (n), or (o);</li> <li>2. All hoses, piping, connections, fittings and manholes serving the vapor control system are vapor-tight and free of liquid leaks, except when gauging or sampling is being performed.</li> <li>3. The vapor control system, including any component thereof, is maintained in proper operating condition and kept free of defects that could impair the effectiveness of the system;</li> <li>4. The vapor control system is constructed out of materials that will not become degraded when exposed to any grade of gasoline which may be stored, transferred, and/or dispensed; and</li> <li>5. The vapor control system is operated properly whenever gasoline is stored, transferred, and/or dispensed. [N.J.A.C. 7:27-16.3(r)]</li> </ol>	None.	None.	None.
30	<p>The permittee shall maintain a record of the monthly throughput of gasoline. [N.J.A.C. 7:27-16.3(t)1]</p>	<p>Monitored by material feed/flow monitoring each month during operation, based on one calendar month. Permittee shall monitor monthly gasoline throughput by inspecting fuel flow totalizer on each pump once daily. [N.J.A.C. 7:27-22.16(o)]</p>	<p>Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. Permittee shall record the monthly gasoline throughput. All records must be maintained onsite for a minimum of 5 years and made readily accessible to the Department upon request. [N.J.A.C. 7:27-22.16(o)]</p>	None.

BOP230004

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
31	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. [40 CFR 63.4(b)]	None.	None.	None.
32	The owner and operator must not use fragmentation or phasing of reconstruction activities (i.e., intentionally dividing reconstruction into multiple parts for purposes of avoiding new source requirements) to avoid becoming subject to new source requirements. [40 CFR 63.4(c)]	None.	None.	None.
33	The owner or operator of an affected source before a title V permit has been issued, and each time a notification of compliance status is required, shall submit to the Administrator a notification of compliance status. The notification shall list all the information as specified in 40 CFR 63.9(h)(2)(i) and be signed by responsible official. [40 CFR 63.9(h)(2)(i)]	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. [40 CFR 63.9(h)(2)(ii)]

BOP230004

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
34	After a title V permit has been issued, the owner or operator shall comply with all requirements for compliance status reports contained in the source's title V permit, including reports required under 40 CFR 63. After a title V permit has been issued to the owner or operator of an affected source, and each time a notification of compliance status is required under this part, the owner or operator of such source shall submit the notification of compliance status to the appropriate permitting authority following completion of the relevant compliance demonstration activity specified in the relevant standard. [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)]
35	The owner or operator shall submit all information required under 40 CFR 63 to the Regional Enforcement Office of NJDEP. In addition, per 40 CFR 63.9(a)(4)(ii), the owner or operator shall send a copy of each report submitted to NJDEP under 40 CFR 63 to Director, Division of Enforcement and Compliance Assistance, USEPA Region 2, 290 Broadway, New York, NY 10007-1866. [40 CFR 63.10(a)(4)(ii)]	None.	Other: The owner or operator of an affected source subject to the provisions of this part shall maintain files of all information (including all reports and notifications) required by this part recorded in a form suitable and readily available for expeditious inspection and review. The files shall be retained for at least 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent 2 years of data shall be retained on site. The remaining 3 years of data may be retained off site. Such files may be maintained on microfilm, on a computer, on computer floppy disks, on magnetic tape disks, or on microfiche. [40 CFR 63.10(b)(1)].	Other (provide description): As per the approved schedule. Submit reports and notifications as required by 40 CFR 63 to EPA Region 2 and NJDEP. [40 CFR 63.13(b)]

BOP230004

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
36	General recordkeeping requirements. The owner or operator shall maintain files of all information (including all reports and notifications) required by 40 CFR 63 recorded in a form suitable and readily available for expeditious inspection and review. The files shall be retained for at least 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent 2 years of data shall be retained on site. The remaining 3 years of data may be retained off site. The owner or operator shall maintain relevant records per 40 CFR 63.10(b)(2) and 40 CFR 63.10(c). [40 CFR 63.10(b)(1)]	None.	None.	None.
37	Total Throughput < 10,000 gallons of gasoline, in any calendar month. [40 CFR 63.1111(b)]	Total Throughput: Monitored by material feed/flow monitoring continuously. [N.J.A.C. 7:27-22.16(o)]	<p>Total Throughput: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation.</p> <p>Monthly throughput shall be calculated by summing the volume of gasoline that is loaded into, or dispensed from, all gasoline storage tanks at each gasoline dispensing facility (GDF) during the current day, plus the total volume of gasoline loaded into, or dispensed from, all gasoline storage tanks at each GDF during the previous 364 days, and then dividing that sum by 12. [40 CFR 63.11132] and. [40 CFR 63.1111(e)]</p>	None.

BOP230004

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
38	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. [40 CFR 63.11115(a)]	None.	The permittee shall keep records as specified below:  (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. Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. [40 CFR 63.11125(d)]	You must keep, and have readily available upon request by the Department: Upon occurrence of event.  You are not required to submit notifications or reports as specified in 40 CFR 63.11125, 40 CFR 63.11126, or subpart A of 40 CFR Part 63, but the permittee must have records available within 24 hours of a request by the Administrator to document gasoline throughput. [40 CFR 63.11116(b)]
39	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:  (1) Minimize gasoline spills; (2) Clean up spills as expeditiously as practicable; (3) Cover all open gasoline containers and all gasoline storage tank fill-pipes with a gasketed seal when not in use; (4) Minimize gasoline sent to open waste collection systems that collect and transport gasoline to reclamation and recycling devices, such as oil/water separators.  Portable gasoline containers that meet the requirements of subpart F of 40 CFR 59, are considered acceptable for compliance with #3 above [40 CFR 63.11116(d)] and [40 CFR 63.11116(a)]	None.	None.	None.

BOP230004

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
40	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. [40 CFR 63.11130]	None.	None.	None.

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

**Facility Name (AIMS):** Edna Mahan Correctional Facility

**Facility ID (AIMS):** 80293

**Street** 30 COUNTY RT 513  
**Address:** CLINTON, NJ 08809

**Mailing** 30 COUNTY RT 513  
**Address:** CLINTON, NJ 08809

**County:** Hunterdon  
**Location** State Prison  
**Description:**

<b>State Plane Coordinates:</b>	
<b>X-Coordinate:</b>	371,125
<b>Y-Coordinate:</b>	653,900
<b>Units:</b>	New Jersey State Plane 8
<b>Datum:</b>	NAD83
<b>Source Org.:</b>	Other/Unknown
<b>Source Type:</b>	Digital Image

<b>Industry:</b>	
<b>Primary SIC:</b>	8744
<b>Secondary SIC:</b>	
<b>NAICS:</b>	561210



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

**Contact Type: Air Permit Information Contact**

**Organization:** Edna Mahan Correctional Facility

**Org. Type:** State

**Name:** William Parsons

**NJ EIN:** 22601379701

**Title:** Engineer in Charge of Maintenance

**Phone:** (908) 735-7111 x3255

**Mailing Address:** 30 County Route 513

**Fax:** ( ) - x

Clinton, NJ 08809

**Other:** ( ) - x

**Type:** Mobile

**Email:** William.R.Parsons@doc.nj.gov

---

**Contact Type: Consultant**

**Organization:** Remington & Vernick Engineers

**Org. Type:** Private

**Name:** Richard M. Cestone

**NJ EIN:** 00000000000

**Title:** Senior Project Engineer

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

**Mailing Address:** 2059 Springdale Road

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

Cherry Hill, NJ 08003

**Other:** ( ) - x

**Type:** Mobile

**Email:** Richard.Cestone@rve.com

---

**Contact Type: Emission Statements**

**Organization:** Edna Mahan Correctional Facility

**Org. Type:** State

**Name:** William Parsons

**NJ EIN:** 22601379701

**Title:** Engineer in Charge of Maintenance

**Phone:** (908) 735-7111 x3255

**Mailing Address:** 30 County Route 513

**Fax:** ( ) - x

Clinton, NJ 08809

**Other:** ( ) - x

**Type:**

**Email:** William.R.Parsons@doc.nj.gov

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

**Contact Type: Fees/Billing Contact**

**Organization:** Edna Mahan Correctional Facility

**Org. Type:** State

**Name:** William Parsons

**NJ EIN:** 22601379701

**Title:** Engineer in Charge of Maintenance

**Phone:** (908) 735-7111 x3255

**Mailing** 30 County Route 513

**Fax:** ( ) - x

**Address:** Clinton, NJ 08809

**Other:** ( ) - x

**Type:** Mobile

**Email:** William.R.Parsons@doc.nj.gov

-----  
**Contact Type: Operator**

**Organization:** Edna Mahan Correctional Facility

**Org. Type:** State

**Name:** William Parsons

**NJ EIN:** 22601379701

**Title:** Engineer in Charge of Maintenance

**Phone:** (908) 735-7111 x3255

**Mailing** 30 County Route 513

**Fax:** ( ) - x

**Address:** Clinton, NJ 08809

**Other:** ( ) - x

**Type:**

**Email:** William.R.Parsons@doc.nj.gov

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

**Organization:** New Jersey Department of Corrections

**Org. Type:** State

**Name:** Ryan O'Dea

**NJ EIN:**

**Title:** Admin., Edna Mahan Correctional Facility

**Phone:** (908) 735-7111 x

**Mailing** 30 County Route 513

**Fax:** ( ) - x

**Address:** Clinton, NJ 08809

**Other:** ( ) - x

**Type:**

**Email:** Ryan.ODea@doc.nj.gov

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

**Contact Type: Responsible Official**

**Organization:** Edna Mahan Correctional Facility

**Org. Type:** State

**Name:** William Parsons

**NJ EIN:** 22601379701

**Title:** Engineer in Charge of Maintenance

**Phone:** (908) 735-7111 x3255

**Mailing** 30 County Route 513

**Fax:** ( ) - x

**Address:** Clinton, NJ 08809

**Other:** ( ) - x

**Type:** Mobile

**Email:** William.R.Parsons@doc.nj.gov

---

**Contact Type: Title V Compliance Certification Contact**

**Organization:** Edna Mahan Correctional Facility

**Org. Type:** State

**Name:** William Parsons

**NJ EIN:** 22601379701

**Title:** Engineer in Charge of Maintenance

**Phone:** (908) 735-7111 x3255

**Mailing** 30 County Route 513

**Fax:** ( ) - x

**Address:** Clinton, NJ 08809

**Other:** ( ) - x

**Type:** Mobile

**Email:** William.R.Parsons@doc.nj.gov

**EDNA MAHAN CORRECTIONAL FACILITY (80293)**  
**BOP230004**

Date: 12/5/2023

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

IS NJID	Source/Group Description	Equipment Type	Location Description	Estimate of Emissions (tpy)								
				VOC (Total)	NO <sub>x</sub>	CO	SO	TSP	PM-10	Pb	HAPS (Total)	Other (Total)
IS2	Twelve RBI IW199 NG Fired Hot Water Heaters (0.199 MMBTU/hr/heater) [HI < 1MMBtu/hr]	Boiler	Buildings 3(1), 3A(1), 16(2), 20(2), 21(2), 26(2) & 27(2)	0.056	1.025	0.861	0.006	0.078	0.078	0.000	0.00000000	0.024
IS3	Two RBI IW399 NG Fired Hot Water Heaters (0.399 MMBTU/hr/heater) [HI < 1MMBtu/hr]	Boiler	Building 5(2)	0.019	0.343	0.288	0.002	0.026	0.026	0.000	0.00000000	0.008
IS4	Ten RBI IW750 NG Fired Hot Water Heaters (0.75 MMBTU/hr/heater) [HI < 1MMBtu/hr]	Boiler	Buildings 4(2), 7A(2), 10(3), & 11(3)	0.177	3.221	2.705	0.019	0.245	0.245	0.000	0.00000000	0.074
IS5	Thirteen RBI IW1000 NG Fired Hot Water Heaters (0.999 MMBTU/hr/heater) [HI < 1MMBtu/hr]	Boiler	Buildings 8A(2), 8B(3), 15(3), 16A(3) & 17(2)	0.307	5.577	4.684	0.033	0.424	0.424	0.000	0.00000000	0.128
IS6	Five Weil McLain LGB4 NG Fired Boilers (0.4 MMBTU/hr/boiler) [HI < 1MMBtu/hr]	Boiler	Buildings 5(3) & 19(2)	0.047	0.859	0.721	0.005	0.065	0.065	0.000	0.00000000	0.020

**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)
IS7	Eight Weil McLain LGB5 NG Fired Boilers (0.52 MMBTU/hr/boiler) [HI < 1MMBtu/hr]	Boiler	Buildings 7(2), 26(3) & 27(3)	0.098	1.786	1.501	0.011	0.136	0.136	0.000	0.00000000	0.041
IS8	Eight Weil McLain SF550 NG Fired Boilers (0.55 MMBTU/hr/boiler) [HI < 1MMBtu/hr]	Boiler	Buildings 3(2), 7A(2), 8A(2) & 8B(2)	0.104	1.889	1.587	0.011	0.144	0.144	0.000	0.00000000	0.044
IS9	Four Weil McLain LGB6 NG Fired Boilers (0.65 MMBTU/hr/boiler) [HI < 1MMBtu/hr]	Boiler	Buildings 16A(2) & 17(2)	0.061	1.116	0.938	0.007	0.085	0.085	0.000	0.00000000	0.026
IS10	Sixteen Weil McLain SF750 NG Fired Boilers (0.75 MMBTU/hr/boiler) [HI < 1MMBtu/hr]	Boiler	Buildings 4(3), 10(3), 11(3), 15(3), 20(2), & 21(2)	0.283	5.153	4.328	0.031	0.392	0.392	0.000	0.00000000	0.119
IS11	One 30,000 Gallon Diesel Storage Tank for Emergency Generators	Storage Vessel	Emergency Generators	0.005	0.000	0.000	0.000	0.000	0.000	0.000	0.00000000	0.000
IS12	One 600 Gallon Diesel Storage Tank for Groundskeeping Equipment [Capacity < 2,000 gal]	Storage Vessel	Next to Gasoline Tank	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.00000000	0.000

**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)
IS13	One 650 Gallon Waste Oil Storage Tank [Capacity < 2,000 gal]	Storage Vessel	Power House	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.00000000	0.000
IS14	Main Gate Propane Fired Heater (60,000 BTU/hr) [HI < 1MMBtu/hr]	Boiler	Main Gate Building	0.002	0.037	0.022	0.000	0.002	0.002	0.000	0.00000000	0.001
IS15	Visitor Trailer Propane Fired Heater (90,000 BTU/hr) [HI < 1MMBtu/hr]	Boiler	Visitor Trailer	0.003	0.056	0.032	0.000	0.003	0.003	0.000	0.00000000	0.001
IS16	Administration Building Propane Fired 12 kW Emergency Generator	Stationary Reciprocating Engine	Administration Building	0.000	0.002	0.001	0.000	0.000	0.000	0.000	0.00000000	0.000
IS17	Thompson Hall Propane Fired 20 kW Emergency Generator	Stationary Reciprocating Engine	Thompson Hall	0.000	0.003	0.002	0.000	0.000	0.000	0.000	0.00000000	0.000
Total				1.162	21.067	17.670	0.125	1.600	1.600	0.000	0.00000000	0.486

**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>
E6	EG1	Emergency Generator 1	Emergency Generator	BOP230004	1/1/2017	No		
E7	EG2	Emergency Generator 2	Emergency Generator	BOP230004	1/1/2017	No		
E8	EG3	Emergency Generator 3	Emergency Generator	BOP230004	1/1/2017	No		
E9	GT	2000 Gallon Gasoline Tank	Storage Vessel		3/3/2000	No		

80293 EDNA MAHAN CORRECTIONAL FACILITY BOP230004 E6 (Emergency Generator)  
Print Date: 12/5/2023

Make:	Cummins		
Manufacturer:	Cummins (2016)		
Model:	DQGAF (2017) Model Year		
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	14.90		
Will the equipment be used in excess of 500 hours per year?	<input type="radio"/> Yes <input type="radio"/> No		
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="radio"/> Yes <input 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 type="radio"/> No
Comments:	1500 kW 2220 HP Displacement per cylinder: 3.15 L		



80293 EDNA MAHAN CORRECTIONAL FACILITY BOP230004 E7 (Emergency Generator)  
Print Date: 12/5/2023

Make:	Cummins		
Manufacturer:	Cummins (2016)		
Model:	DQGAF (2017) Model Year		
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	14.90		
Will the equipment be used in excess of 500 hours per year?	<input type="radio"/> Yes <input type="radio"/> No		
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="radio"/> Yes <input 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 type="radio"/> No
Comments:	1500 kW 2220 HP Displacement per cylinder: 3.15 L		

80293 EDNA MAHAN CORRECTIONAL FACILITY BOP230004 E8 (Emergency Generator)  
Print Date: 12/5/2023

Make:	Cummins		
Manufacturer:	Cummins (2016)		
Model:	DQGAF (2017) Model Year		
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	14.90		
Will the equipment be used in excess of 500 hours per year?	<input type="radio"/> Yes <input type="radio"/> No		
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="radio"/> Yes <input 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 type="radio"/> No
Comments:	1500 kW 2220 HP Displacement per cylinder: 3.15 L		

80293 EDNA MAHAN CORRECTIONAL FACILITY BOP230004 E9 (Storage Vessel)  
Print Date: 12/5/2023

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

Liquids Only

Storage Vessel Type:

Tank

Design Capacity:

2,000

Units:

gallons

Ground Location:

Above Ground

Is the Shell of the Equipment

Yes

Exposed to Sunlight?

Shell Color:

White

Description (if other):

Shell Condition:

Paint Condition:

Good

Shell Construction:

Welded

Is the Shell Insulated?

No

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):

6.00

Length (ft):

11.30

Width (ft):

8.00

Diameter (ft):

Other Dimension

Description:

Value:

Units:

Fill Method:

Top Pipe

Description (if other):

Maximum Design Fill Rate:

5.00

Units:

gal/min

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

Roof

Roof Type:

Horizontal fixed roof tank

Roof Height (From Roof  
Bottom  
to Roof Top) (ft):

Roof Construction:

Primary Seal Type:

Secondary Seal Type:

Total Number of Seals:

Roof Support:

Does the storage vessel  
have a Vapor Return Loop?

Yes

**80293 EDNA MAHAN CORRECTIONAL FACILITY BOP230004 E9 (Storage Vessel)**

**Print Date: 12/5/2023**

Does the storage vessel  
have a Conservation Vent?

Yes ▼

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

Yes ▼

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

Yes ▼

Comments:

Tank #M851885 Convault #RN2000-2SF

**EDNA MAHAN CORRECTIONAL FACILITY (80293)**  
**BOP230004**

Date: 12/5/2023

**New Jersey Department of Environmental Protection**  
**Control Device Inventory**

<b>CD NJID</b>	<b>Facility's Designation</b>	<b>Description</b>	<b>CD Type</b>	<b>Install Date</b>	<b>Grand- Fathered</b>	<b>Last Mod. (Since 1968)</b>	<b>CD Set ID</b>
CD9	GTVR	Gasoline Vapor Recovery	Stage I - Dual Point	3/3/2010	No		

**EDNA MAHAN CORRECTIONAL FACILITY (80293)**  
**BOP230004**

Date: 12/5/2023

**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.		
PT6	EG1	Emergency Generator 1	Round	6	11	30	937.0	900.0	1,000.0	11,734.0	11,000.0	12,000.0	Up	
PT7	EG2	Emergency Generator 2	Round	6	11	50	937.0	900.0	1,000.0	11,734.0	11,000.0	12,000.0	Up	
PT8	EG3	Emergency Generator 3	Round	6	11	70	937.0	900.0	1,000.0	11,734.0	11,000.0	12,000.0	Up	
PT9	GT	Gasoline Tank	Round	6	11	50	70.0	50.0	90.0	100.0	80.0	120.0	Up	

**EDNA MAHAN CORRECTIONAL FACILITY (80293)**  
**BOP230004**

Date: 12/5/2023

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

**U 6 EG1 Emergency Generator 1**

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	EG1	Emergency Generator 1	Standby	E6		PT6	2-03-001-01	0.0	50.0		11,000.0	12,000.0	900.0	1,000.0

**U 7 EG2 Emergency Generator 2**

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	EG2	Emergency Generator 2	Standby	E7		PT7	2-03-001-01	0.0	50.0		11,000.0	12,000.0	900.0	1,000.0

**U 8 EG3 Emergency Generator 3**

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	EG3	Emergency Generator 3	Standby	E8		PT8	2-03-001-01	0.0	50.0		11,000.0	12,000.0	900.0	1,000.0

EDNA MAHAN CORRECTIONAL FACILITY (80293)  
BOP230004

Date: 12/5/2023

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

U 9   GT   2000 Gallon Gasoline Tank

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	GT	2000 Gallon Gasoline Tank	Normal - Steady State	E9	CD9 (P)	PT9	4-03-010-01	0.0	8,760.0		80.0	120.0	50.0	90.0