State of New Jersey
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY, ENERGY & SUSTAINABILITY
DIVISION OF AIR QUALITY
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PHILIP D. MURPHY
Governor

SHEILA Y. OLIVER
Lt. Governor

SHAWN M. LATOURETTE
Commissioner

Air Pollution Control Operating Permit
Renewal

Permit Activity Number: BOP190004 **Program Interest Number: 45924**

Mailing Address	Plant Location
CHRISTOPHER ARCHER DEPUTY BASE CIVIL ENGINEER USDOD JBMDL 2401 VANDENBERG AVE - 87 CEG/CD JB MDL, NJ 08640	JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA 2404 Vandenberg Ave 787 Ces/Ceiec JB MDL, NJ 08641 Burlington County

Initial Operating Permit Approval Date: **February 8, 2001**
Operating Permit Approval Date: **PROPOSED**
Operating Permit Expiration Date: **PROPOSED**

AUTHORITY AND APPLICABILITY

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

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

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

PERMIT SHIELD

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

COMPLIANCE SCHEDULES

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

COMPLIANCE CERTIFICATIONS AND DEVIATION REPORTS

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

ACCESSING PERMITS

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

HELPLINE

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

RENEWING YOUR OPERATING PERMIT AND APPLICATION SHIELD

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

COMPLIANCE ASSURANCE MONITORING

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

ADMINISTRATIVE HEARING REQUEST

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

If you have any questions regarding this permit approval, please call Alexander Sung at (609) 633-8239.

Approved by:

_____

Art Lehberger

Enclosure

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

Facility Name: JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA
Program Interest Number: 45924
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Section A

Facility Name: JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA
Program Interest Number: 45924
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POLLUTANT EMISSIONS SUMMARY

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

Facility's Potential Emissions from all Significant Source Operations (tons per year)										
Source Categories	VOC (total)	NO_x	CO	SO_2	TSP (total)	PM_{10} (total)	$PM_{2.5}$ (total)	Pb	HAPs* (total)	CO_2e[2]
Emission Units Summary	25.7	49.9	33.2	N/A	2.42	2.42	2.42	N/A	0.0012	
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	25.7	49.9	33.2	N/A	2.42	2.42	2.42	N/A	0.0012	99,360

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

Emissions from all Insignificant Source Operations and Non-Source Fugitive Emissions (tons per year)									
Source Categories	VOC (total)	NO_x	CO	SO_2	TSP (total)	PM_{10} (total)	$PM_{2.5}$ (total)	Pb	HAPs (total)
Insignificant Source Operations	10.0	100.4	64.7	3.93	8.34	6.96	6.96	N/A	0.338
Non-Source Fugitive Emissions[3]	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

VOC: Volatile Organic Compounds
NOx: Nitrogen Oxides
CO: Carbon Monoxide
SO_2: Sulfur Dioxide
TSP: Total Suspended Particulates
Other: Any other air contaminant regulated under the Federal CAA
PM_{10}: Particulates under 10 microns
$PM_{2.5}$: Particulates under 2.5 microns
Pb: Lead
HAPs: Hazardous Air Pollutants
CO_2e: Carbon Dioxide equivalent

N/A: Indicates the pollutant is not emitted or is emitted below the reporting threshold specified in N.J.A.C. 7:27-22, Appendix, Table A and N.J.A.C. 7:27-17.9(a).

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

[1] Significant Source Operations and Insignificant Source Operations are defined at N.J.A.C. 7:27-22.1.
[2] Total CO_2e emissions for the facility.
[3] Non-Source Fugitive Emissions are included if the facility falls into one or more categories listed at N.J.A.C. 7:27-22.2(a)2.

Section A

Facility Name: JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA
Program Interest Number: 45924
Permit Activity Number: BOP190004

POLLUTANT EMISSIONS SUMMARY

Table 3: Summary of Hazardous Air Pollutants (HAP) Emissions from Significant Source Operations [4]:

HAP	TPY
Mercury	0.001
Cadmium	0.00012
Arsenic	0.000042
Beryllium	0.000026

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

Other Air Contaminant	TPY
Hydrogen Sulfide	0.21

[4] 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: JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA
Program Interest Number: 45924
Permit Activity Number: BOP190004

GENERAL PROVISIONS AND AUTHORITIES

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Section C

Facility Name: JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA
Program Interest Number: 45924
Permit Activity Number: BOP190004

STATE-ONLY APPLICABLE REQUIREMENTS

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

STATE-ONLY APPLICABLE REQUIREMENTS

The following applicable requirements are not federally enforceable:

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

Section D

Facility Name: JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA
Program Interest Number: 45924
Permit Activity Number: BOP190004

FACILITY SPECIFIC REQUIREMENTS AND INVENTORIES

FACILITY SPECIFIC REQUIREMENTS PAGE INDEX

JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA (45924)
BOP190004

Date: 11/30/202

New Jersey Department of Environmental Protection
Reason for Application

Permit Being Modified

Permit Class: BOP **Number:** 190001

Description of Modifications: Five Year Operating Permit Renewal

Modification Application BOP210003 was incorporated

The following general operating permits were incorporated:
BOP190003 (U3:OS33, E6, 1.66 MMBTU/hr D EG)
BOP190005 (U1:OS55, E7, 2 MMBTU/hr NG Boiler)
BOP190006 (U1:OS56, E8, 2 MMBTU/hr NG Boiler)
BOP190007 (U1:OS57, E14, 1.3 MMBTU/hr NG Boiler)
BOP190008 (U1:OS58, E9, 2 MMBTU/hr NG Boiler)
BOP190009 (U1:OS59, E18, 1.3 MMBTU/hr NG Boiler)
BOP190010 (U1:OS60, E23, 1.3 MMBTU/hr NG Boiler)
BOP190011 (U1:OS61, E28, 1.3 MMBTU/hr NG Boiler)
BOP190012 (U1:OS62, E29, 1.25 MMBTU/hr NG Boiler)
BOP190013 (U1:OS63, E35, 1.0 MMBTU/hr NG Boiler)
BOP190014 (U1:OS64, E40, 1.38 MMBTU/hr NG Boiler)
BOP190015 (U1:OS65, E41, 1.38 MMBTU/hr NG Boiler)
BOP200001 (U1:OS66, E43, 1.04 MMBTU/hr NG Boiler)
BOP200002 (U1:OS67, E50, 1.04 MMBTU/hr NG Boiler)
BOP200003 (U1:OS68, E51, 1.04 MMBTU/hr NG Boiler)
BOP210001 (U3:OS34, E250, 1.60 MMBTU/hr D EG)
BOP210002 (U3:OS35, E52, 1.38 MMBtu/hr D EG)
BOP210004 (U3:OS36, E53, 4.7 MMBtu/hr D EG)

The following items have been removed from the permit:
U3:OS1, E1, 275 kW, 2.744 MMBtu/hr Diesel EG
U3:OS4, E73 750 kW 7.1 MMBtu/hr Diesel EG
U3:OS12, E208, 250 kW, 2.34 MMBtu/hr Diesel EG
U3:OS27, E242 eGen
U3:OS28, E343 eGen
U3:OS29, E244 185 kW 1.74 MMBtu/hr Diesel EG #4
U1:OS14, E191 1.44 MMBtu/hr heater
U1:OS47, E195 1.44 MMBtu/hr heater
U6:OS1&2, E232, Site Remediation TU970 by Building 6045

Corrections were made to the heat input, emissions, power rating and/or location for various equipment in U1 Natural Gas Boilers, U2 Diesel Boilers and U3 Emergency Generators.

HAP emissions above reporting thresholds at N.J.A.C. 7:27-17 were added to U1 OS20, U1 OS25-OS26, U1 OS55-OS62, U1 OS64-OS65, U2 OS2, U2 OS5 and U2 OS8.

Total significant source emissions were updated as follows: VOC emissions decrease from 36.3 tons per year (TPY) to 35.7 TPY, CO emissions increase from 92.2 TPY to 97.9 TPY, TSP emissions decrease from 11.5 TPY to 10.8 TPY, PM-10 and PM-2.5 emissions increase from 6.09 TPY to 9.38 TPY and total HAP emissions decrease from 1.38 TPY to 0.34 TPY.

New Jersey Department of Environmental Protection
Reason for Application

2 insignificant emergency generators were added in IS1, 2 insignificant natural gas boilers were removed from IS2, 4 insignificant #2 fuel oil boilers were added to IS3, 48 insignificant natural gas space heaters/hot water heaters were removed from IS4, 44 insignificant #2 fuel oil space heaters/hot water heaters were removed from IS5. One 1,000 gallon diesel storage tank was removed from IS8. IS15 Tactical Diesel Hauler was removed

The Emission Point Inventory was updated. PT 9, 10, 19, 20, 29, 31 were removed. U1:OS56, E8 2 MMBTU/hr boiler and U1:OS58, E9, 2 MMBTU/hr boiler were reassigned to PT8. U1:OS59, E18, 1.3 MMBTU/hr boiler, U1:OS61, E28, 1.3 MMBTU/hr boiler, U1:OS60, E23, 1.3 MMBTU/hr boiler, were reassigned to PT14. Stack information was updated for PT6, 7, 8, 14, 21, 28, 32, 35, 40, 87, 161, 194.

PM-2.5 emissions have been added to U3, Thirty-three Diesel-Fired Emergency Generators, and U7, Two paint booths, consistent with N.J.A.C. 7:27-22.

The applicable requirements for U4, Gasoline USTs, and U5, Gasoline AST, based on the latest version of N.J.A.C. 7:27-16.3, Gasoline Transfer Operations were updated. Applicable 40 CFR 63 Subpart CCCCCC requirements were added.

CD11, Stage II VRU was decommissioned in accordance with N.J.A.C. 7:27-16.3(e) and removed from the permit.

SO2 emissions were updated for U2 and U3 based on the new fuel sulfur content requirements in N.J.A.C. 7:27-9. U2 SO2 emissions of 7.22 tons/year were removed. U3 SO2 emissions were reduced from 0.77 tons/year to 0.69 tons/year.

A correction was made to the equipment and emission point for U3:OS30. U3:OS30 is now linked to E245, a 1.89 MMBTU/hr Emergency Generator, which was accidentally removed.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Subject Item: **FC**

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

New Jersey Department of Environmental Protection
Facility Specific Requirements

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

New Jersey Department of Environmental Protection
Facility Specific Requirements

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

New Jersey Department of Environmental Protection
Facility Specific Requirements

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

New Jersey Department of Environmental Protection
Facility Specific Requirements

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

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New Jersey Department of Environmental Protection
Facility Specific Requirements

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

New Jersey Department of Environmental Protection
Facility Specific Requirements

Subject Item: **IS1 Emergency Generators - Diesel Fuel (< 1 MMBtu/hr)**

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

New Jersey Department of Environmental Protection
Facility Specific Requirements

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

New Jersey Department of Environmental Protection
Facility Specific Requirements

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

New Jersey Department of Environmental Protection
Facility Specific Requirements

Subject Item: **IS2 Boilers - Natural Gas Fired (< 1 MMBtu/hr), IS4 Space and Hot Water Heaters - Natural Gas Fired (< 1 MMBtu/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.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Subject Item: **IS3 Boilers - Fuel Oil #2 Fired (< 1 MMBtu/hr), IS5 Space and Hot Water Heaters - Fuel Oil #2 Fired (< 1 MMBtu/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.
2	Sulfur Content in Fuel <= 15 ppmw (0.0015% by weight). [N.J.A.C. 7:27-9.2(b)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	None.
3	Fuel stored in New Jersey that met the applicable maximum sulfur content standard of Tables 1A or 1B of N.J.A.C. 7:27-9.2 at the time it was stored in New Jersey may be used in New Jersey after the operative date of the applicable standard in Table 1B. [N.J.A.C. 7:27- 9.2(b)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Subject Item: **IS6 USTs - Diesel/Fuel Oil #2 Storage (<= 10,000 gallons), IS8 ASTs - Diesel/Fuel Oil #2 (<= 10,000 gallons capacity)**

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

New Jersey Department of Environmental Protection
Facility Specific Requirements

Subject Item: **IS13 Tertiary Wastewater Treatment Plant with Odor Control System (TXS concentration <100 ppbw; VOC concentration <3,500 ppbw)**

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

New Jersey Department of Environmental Protection
Facility Specific Requirements

Subject Item: **IS14 Parts Washers (top opening <= 6 sq. ft., <= 100 gal capacity, < 5% VOC solvents)**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Solvents must contain less than 5% by weight of VOCs, HAPs and VOCs and HAPs combined. [N.J.A.C. 7:27-22.16(a)]	None.	Recordkeeping by invoices / bills of lading / certificate of analysis per change of material. Keep a safety data sheet for each solvent used. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Subject Item: **IS16 Paint Spray Booths (<= 0.5 gal/hr and <= 2.5 gal/day)**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Total Material Transferred <= 0.5 gal/hr. [N.J.A.C. 7:27-16.7(e)]	Other: Monitored by review of hourly paint usage records.[N.J.A.C. 7:27-22.16(o)].	Total Material Transferred: Recordkeeping by manual logging of parameter or storing data in a computer data system once per shift during operation. Keep records of the hourly paint usage. [N.J.A.C. 7:27-22.16(o)]	None.
2	Total Material Transferred <= 2.5 gallons per day. [N.J.A.C. 7:27-16.7(e)]	Other: Monitored by review of daily paint usage records.[N.J.A.C. 7:27-22.16(o)].	Total Material Transferred: Recordkeeping by manual logging of parameter or storing data in a computer data system once per shift during operation. Keep records of the daily paint usage. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Sixty Six (66) - Natural Gas Fired Boilers/Heaters/Furnaces between 1 MMBtu/hr and < 5 MMBtu/hr**
Operating Scenario: **OS Summary**

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.
2	NOx (Total) <= 33.2 tons/yr. Annual emission limit based on the combined fuel usage limits for OS1-OS68. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	CO <= 27.9 tons/yr. Annual emission limit based on the combined fuel usage limits for OS1-OS68. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Cadmium compounds <= 0.00009 tons/yr. Annual emission limit based on the combined fuel usage limits for OS20, OS25, OS26, OS55, OS56, OS57, OS58, OS59, OS60, OS61, OS62, OS64 and OS65. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	HAPs (Total) <= 0.00009 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Sixty Six (66) - Natural Gas Fired Boilers/Heaters/Furnaces between 1 MMBtu/hr and < 5 MMBtu/hr**
Operating Scenario: **OS1 1.674 MMBtu/hr NG Boiler @ B5254**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1 lb/hr. Particulate emission limit from the combustion of fuel based on the maximum rated heat input rate of the source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 1.67 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	Boiler fuel limited to natural gas. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Natural Gas Usage <= 10.667 MMft^3 per any consecutive 12 months. [N.J.A.C. 7:27-22.16(a)]	Natural Gas Usage: Monitored by fuel usage totalizing meter continuously. [N.J.A.C. 7:27-22.16(o)]	Natural Gas Usage: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. Fuel use for any 12 consecutive months is computed by adding the fuel consumed in a given month to that consumed in the preceding 11 months. [N.J.A.C. 7:27-22.16(o)]	None.
5	CO <= 0.136 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	NOx (Total) <= 0.162 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP < 0.05 lb/hr (below permit reporting threshold). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Sixty Six (66) - Natural Gas Fired Boilers/Heaters/Furnaces between 1 MMBtu/hr and < 5 MMBtu/hr**
Operating Scenario: **OS2 2.497 MMBtu/hr NG Boiler @ B5901**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.63 lb/hr. Particulate emission limit from the combustion of fuel, based on the heat input rate of the source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 2.497 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	Boiler fuel limited to natural gas. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Natural Gas Usage <= 14.629 MMft^3 per any consecutive 12 months. [N.J.A.C. 7:27-22.16(a)]	Natural Gas Usage: Monitored by fuel usage totalizing meter continuously. [N.J.A.C. 7:27-22.16(o)]	Natural Gas Usage: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. Fuel use for any 12 consecutive months is computed by adding the fuel consumed in a given month to that consumed in the preceding 11 months. [N.J.A.C. 7:27-22.16(o)]	None.
5	CO <= 0.2 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	NOx (Total) <= 0.24 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP < 0.05 lb/hr (below permit reporting threshold). [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Sixty Six (66) - Natural Gas Fired Boilers/Heaters/Furnaces between 1 MMBtu/hr and < 5 MMBtu/hr**

Operating Scenario: **OS3 1.674 MMBtu/hr NG Boiler #1 @ B5418, OS4 1.674 MMBtu/hr NG Boiler #2 @ B5418, OS5 1.674 MMBtu/hr NG Boiler #3 @ B5418**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1 lb/hr. Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 1.67 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	Boiler fuel limited to natural gas. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Natural Gas Usage <= 10.78 MMft^3 per boiler per any consecutive 12 months. [N.J.A.C. 7:27-22.16(a)]	Natural Gas Usage: Monitored by fuel usage totalizing meter continuously. [N.J.A.C. 7:27-22.16(o)]	Natural Gas Usage: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. Fuel use for any 12 consecutive months is computed by adding the fuel consumed in a given month to that consumed in the preceding 11 months. [N.J.A.C. 7:27-22.16(o)]	None.
5	NOx (Total) <= 0.16 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	CO <= 0.138 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
7	TSP < 0.05 lb/hr (below permit reporting threshold). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Sixty Six (66) - Natural Gas Fired Boilers/Heaters/Furnaces between 1 MMBtu/hr and < 5 MMBtu/hr**

Operating Scenario: **OS6 1.386 MMBtu/hr NG Boiler #1 @ B5455, OS8 1.386 MMBtu/hr NG Boiler #1 @ B5505, OS9 1.386 MMBtu/hr NG Boiler #2 @ B5505**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.83 lb/hr. Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 1.386 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(a)].	None.
3	Boiler fuel limited to natural gas. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Natural Gas Usage <= 8.93 MMft^3 per boiler per any consecutive 12 months. [N.J.A.C. 7:27-22.16(a)]	Natural Gas Usage: Monitored by fuel usage totalizing meter continuously. [N.J.A.C. 7:27-22.16(o)]	Natural Gas Usage: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. Fuel use for any 12 consecutive months is computed by adding the fuel consumed in a given month to that consumed in the preceding 11 months. [N.J.A.C. 7:27-22.16(o)]	None.
5	NOx (Total) <= 0.135 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	CO <= 0.114 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP < 0.05 lb/hr (below permit reporting threshold). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Sixty Six (66) - Natural Gas Fired Boilers/Heaters/Furnaces between 1 MMBtu/hr and < 5 MMBtu/hr**
Operating Scenario: **OS7 1.379 MMBtu/hr NG Boiler #2 @ B5455**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.83 lb/hr. Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 1.379 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(a)].	None.
3	Boiler fuel limited to natural gas. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Natural Gas Usage <= 8.93 MMft^3 per boiler per any consecutive 12 months. [N.J.A.C. 7:27-22.16(a)]	Natural Gas Usage: Monitored by fuel usage totalizing meter continuously. [N.J.A.C. 7:27-22.16(o)]	Natural Gas Usage: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. Fuel use for any 12 consecutive months is computed by adding the fuel consumed in a given month to that consumed in the preceding 11 months. [N.J.A.C. 7:27-22.16(o)]	None.
5	NOx (Total) <= 0.135 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	CO <= 0.114 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP < 0.05 lb/hr (below permit reporting threshold). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Sixty Six (66) - Natural Gas Fired Boilers/Heaters/Furnaces between 1 MMBtu/hr and < 5 MMBtu/hr**

Operating Scenario: **OS10 1.5 MMBtu/hr NG Boiler #1 @ B5610**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.9 lb/hr. Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 1.5 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	Boiler fuel limited to natural gas. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Natural Gas Usage <= 12.88 MMft^3 per any consecutive 12 months based on 8760 hours of operation per year. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	NOx (Total) <= 0.15 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	CO <= 0.124 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP < 0.05 lb/hr (below permit reporting threshold). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Sixty Six (66) - Natural Gas Fired Boilers/Heaters/Furnaces between 1 MMBtu/hr and < 5 MMBtu/hr**
Operating Scenario: **OS11 1.44 MMBtu/hr NG Hot Water Heater @ B5610**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.86 lb/hr. Maximum particulate emission limit from the combustion of fuel based on the rated heat input of the source. [N.J.A.C. 7:27-4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 1.44 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22].	None.
3	Boiler fuel limited to natural gas. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Natural Gas Usage <= 12.37 MMft^3 per any consecutive 12 months based on 8760 hours of operation per year. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	NOx (Total) <= 0.141 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	CO <= 0.119 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP < 0.05 lb/hr (below permit reporting threshold). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Sixty Six (66) - Natural Gas Fired Boilers/Heaters/Furnaces between 1 MMBtu/hr and < 5 MMBtu/hr**

Operating Scenario: **OS12 1.44 MMBtu/hr NG Hot Water Heater @ B5640**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.86 lb/hr. Maximum particulate emission limit from the combustion of fuel based on the rated heat input of the source. [N.J.A.C. 7:27-4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 1.44 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	Boiler fuel limited to natural gas. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Natural Gas Usage <= 4.11 MMft^3 per boiler per any consecutive 12 months. [N.J.A.C. 7:27-22.16(a)]	Natural Gas Usage: Monitored by fuel usage totalizing meter continuously. [N.J.A.C. 7:27-22.16(o)]	Natural Gas Usage: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. Fuel use for any 12 consecutive months is computed by adding the fuel consumed in a given month to that consumed in the preceding 11 months. [N.J.A.C. 7:27-22.16(o)]	None.
5	NOx (Total) <= 0.141 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	CO <= 0.119 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP < 0.05 lb/hr (below permit reporting threshold). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Sixty Six (66) - Natural Gas Fired Boilers/Heaters/Furnaces between 1 MMBtu/hr and < 5 MMBtu/hr**
Operating Scenario: **OS13 1.386 MMBtu/hr NG Boiler #2 @ B5904**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.83 lb/hr. Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 1.386 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	Boiler fuel limited to natural gas. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Natural Gas Usage <= 11.9 MMft^3 per any consecutive 12 months based on 8760 hours of operation per year. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	NOx (Total) <= 0.136 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	CO <= 0.114 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP < 0.05 lb/hr (below permit reporting threshold). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Sixty Six (66) - Natural Gas Fired Boilers/Heaters/Furnaces between 1 MMBtu/hr and < 5 MMBtu/hr**
Operating Scenario: **OS15 1.0 MMBtu/hr NG Boiler @ B5612, OS16 1.0 MMBtu/hr NG Boiler @ B5503**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.6 lb/hr. Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 1 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	Boiler fuel limited to natural gas. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Natural Gas Usage <= 8.59 MMft^3 per boiler per any consecutive 12 months based on 8760 hours of operation per year. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	NOx (Total) <= 0.1 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	CO <= 0.082 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP < 0.05 lb/hr (below permit reporting threshold). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Sixty Six (66) - Natural Gas Fired Boilers/Heaters/Furnaces between 1 MMBtu/hr and < 5 MMBtu/hr**
Operating Scenario: **OS17 1.5 MMBtu/hr NG Boiler #1 @ B6043, OS18 1.5 MMBtu/hr NG Boiler #2 @ B6043**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.9 lb/hr. Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 1.5 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	Boiler fuel limited to natural gas. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Natural Gas Usage <= 12.9 MMft^3 per boiler per any consecutive 12 months based on 8760 hours of operation per year. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	NOx (Total) <= 0.15 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	CO <= 0.124 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP < 0.05 lb/hr (below permit reporting threshold). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Sixty Six (66) - Natural Gas Fired Boilers/Heaters/Furnaces between 1 MMBtu/hr and < 5 MMBtu/hr**
Operating Scenario: **OS19 1.23 MMBtu/hr NG Boiler #1 @ B5640**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.74 lb/hr. Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 1.23 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	Boiler fuel limited to natural gas. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Natural Gas Usage <= 10.6 MMft^3 per boiler per any consecutive 12 months based on 8760 hours of operation per year. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	NOx (Total) <= 0.121 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	CO <= 0.101 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP < 0.05 lb/hr (below permit reporting threshold). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Sixty Six (66) - Natural Gas Fired Boilers/Heaters/Furnaces between 1 MMBtu/hr and < 5 MMBtu/hr**

Operating Scenario: **OS20 1.379 MMBtu/hr NG Boiler #2 @ B5640**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.74 lb/hr. Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 1.379 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	Boiler fuel limited to natural gas. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Natural Gas Usage <= 10.6 MMft^3 per boiler per any consecutive 12 months based on 8760 hours of operation per year. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	NOx (Total) <= 0.14 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	CO <= 0.11 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP < 0.05 lb/hr (below permit reporting threshold). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Cadmium compounds <= 0.0000015 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Sixty Six (66) - Natural Gas Fired Boilers/Heaters/Furnaces between 1 MMBtu/hr and < 5 MMBtu/hr**
Operating Scenario: **OS21 2.74 MMBTU/hr NG Boiler @ B6039**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.64 lb/hr. Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 2.74 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	Boiler fuel limited to natural gas. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Natural Gas Usage <= 23.5 MMft^3 per any consecutive 12 months based on 8760 hours of operation per year. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	NOx (Total) <= 0.268 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	CO <= 0.225 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP < 0.05 lb/hr (below permit reporting threshold). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Sixty Six (66) - Natural Gas Fired Boilers/Heaters/Furnaces between 1 MMBtu/hr and < 5 MMBtu/hr**
Operating Scenario: **OS22 2.0 MMBtu/hr NG Boiler #1 @ B8610, OS23 2.0 MMBtu/hr NG Boiler #2 @ B8610**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.2 lb/hr. Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 2 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	Boiler fuel limited to natural gas. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Natural Gas Usage <= 17.2 MMft^3 per boiler per any consecutive 12 months based on 8760 hours of operation per year. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	NOx (Total) <= 0.2 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	CO <= 0.165 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP < 0.05 lb/hr (below permit reporting threshold). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Sixty Six (66) - Natural Gas Fired Boilers/Heaters/Furnaces between 1 MMBtu/hr and < 5 MMBtu/hr**
Operating Scenario: **OS24 1.529 MMBtu/hr NG Boiler @ B2101**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.92 lb/hr. Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 1.53 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	Boiler fuel limited to natural gas. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Natural Gas Usage <= 13.13 MMft^3 per any consecutive 12 months based on 8760 hours of operation per year. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	NOx (Total) <= 0.15 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	CO <= 0.126 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP < 0.05 lb/hr (below permit reporting threshold). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Sixty Six (66) - Natural Gas Fired Boilers/Heaters/Furnaces between 1 MMBtu/hr and < 5 MMBtu/hr**
Operating Scenario: **OS25 1.53 MMBtu/hr NG Boiler @ B5320**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.74 lb/hr. Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 1.53 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	Boiler fuel limited to natural gas. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Natural Gas Usage <= 10.56 MMft^3 per any consecutive 12 months based on 8760 hours of operation per year. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	NOx (Total) <= 0.15 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	CO <= 0.13 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP < 0.05 lb/hr (below permit reporting threshold). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Cadmium compounds <= 0.0000017 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Sixty Six (66) - Natural Gas Fired Boilers/Heaters/Furnaces between 1 MMBtu/hr and < 5 MMBtu/hr**
Operating Scenario: **OS26 1.5 MMBtu/hr NG Boiler #2 @ B5610**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.81 lb/hr. Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 1.5 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	Boiler fuel limited to natural gas. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Natural Gas Usage <= 11.66 MMft^3 per any consecutive 12 months based on 8760 hours of operation per year. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	NOx (Total) <= 0.15 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	CO <= 0.12 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP < 0.05 lb/hr (below permit reporting threshold). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Cadmium compounds <= 0.0000016 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Sixty Six (66) - Natural Gas Fired Boilers/Heaters/Furnaces between 1 MMBtu/hr and < 5 MMBtu/hr**
Operating Scenario: **OS27 3.103 MMBtu/hr NG Boiler @ B5953**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.86 lb/hr. Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 3.1 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	Boiler fuel limited to natural gas. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Natural Gas Usage <= 19.987 MMft^3 per any consecutive 12 months. [N.J.A.C. 7:27-22.16(a)]	Natural Gas Usage: Monitored by fuel usage totalizing meter continuously. [N.J.A.C. 7:27-22.16(o)]	Natural Gas Usage: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. Fuel use for any 12 consecutive months is computed by adding the fuel consumed in a given month to that consumed in the preceding 11 months. [N.J.A.C. 7:27-22.16(o)]	None.
5	NOx (Total) <= 0.3 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	CO <= 0.256 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP < 0.05 lb/hr (below permit reporting threshold). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Sixty Six (66) - Natural Gas Fired Boilers/Heaters/Furnaces between 1 MMBtu/hr and < 5 MMBtu/hr**
Operating Scenario: **OS28 3.11 MMBTU/hr NG Direct Fired Gas Heater Air Make-up Unit @ B8304**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.87 lb/hr. Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 3.11 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	Boiler fuel limited to natural gas. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Natural Gas Usage <= 6.16 MMft^3 per any consecutive 12 months. [N.J.A.C. 7:27-22.16(a)]	Natural Gas Usage: Monitored by fuel usage totalizing meter continuously. [N.J.A.C. 7:27-22.16(o)]	Natural Gas Usage: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. Fuel use for any 12 consecutive months is computed by adding the fuel consumed in a given month to that consumed in the preceding 11 months. [N.J.A.C. 7:27-22.16(o)]	None.
5	NOx (Total) <= 0.296 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	CO <= 0.249 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP < 0.05 lb/hr (below permit reporting threshold). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Sixty Six (66) - Natural Gas Fired Boilers/Heaters/Furnaces between 1 MMBtu/hr and < 5 MMBtu/hr**

Operating Scenario: **OS29 2.08 MMBtu/hr NG Boiler #1 @ B5139, OS30 2.08 MMBtu/hr NG Boiler #2 @ B5139**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.25 lb/hr. Particulate emission limit for each unit from the combustion of fuel based on rated heat input of each source:. [N.J.A.C. 7:27-4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 2.08 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	Boiler fuel limited to natural gas. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Natural Gas Usage <= 13.4 MMft^3 per any consecutive 12 months. [N.J.A.C. 7:27-22.16(a)]	Natural Gas Usage: Monitored by fuel usage totalizing meter continuously. [N.J.A.C. 7:27-22.16(o)]	Natural Gas Usage: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. Fuel use for any 12 consecutive months is computed by adding the fuel consumed in a given month to that consumed in the preceding 11 months. [N.J.A.C. 7:27-22.16(o)]	None.
5	NOx (Total) <= 0.204 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	CO <= 0.171 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP < 0.05 lb/hr (below permit reporting threshold). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Sixty Six (66) - Natural Gas Fired Boilers/Heaters/Furnaces between 1 MMBtu/hr and < 5 MMBtu/hr**

Operating Scenario: **OS31 1.082 MMBtu/hr NG Boiler @ B99**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.65 lb/hr. Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 1.082 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	Boiler fuel limited to natural gas. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Natural Gas Usage <= 9.29 MMft^3 per any consecutive 12 months based on 8760 hours of operation per year. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	NOx (Total) <= 0.106 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	CO <= 0.09 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP < 0.05 lb/hr (below permit reporting threshold). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Sixty Six (66) - Natural Gas Fired Boilers/Heaters/Furnaces between 1 MMBtu/hr and < 5 MMBtu/hr**
Operating Scenario: **OS32 1.05 MMBtu/hr NG Hot Water Heater @ B5404**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.63 lb/hr. Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 1.05 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	Boiler fuel limited to natural gas. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Natural Gas Usage <= 3 MMft^3 per any consecutive 12 months. [N.J.A.C. 7:27-22.16(a)]	Natural Gas Usage: Monitored by fuel usage totalizing meter continuously. [N.J.A.C. 7:27-22.16(o)]	Natural Gas Usage: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. Fuel use for any 12 consecutive months is computed by adding the fuel consumed in a given month to that consumed in the preceding 11 months. [N.J.A.C. 7:27-22.16(o)]	None.
5	NOx (Total) <= 0.103 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	CO <= 0.087 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP < 0.05 lb/hr (below permit reporting threshold). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Sixty Six (66) - Natural Gas Fired Boilers/Heaters/Furnaces between 1 MMBtu/hr and < 5 MMBtu/hr**
Operating Scenario: **OS33 1.0 MMBtu/hr NG Boiler #1 @ B5405, OS34 1.0 MMBtu/hr NG Boiler #2 @ B5405**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.6 lb/hr. Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 1 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	Boiler fuel limited to natural gas. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Natural Gas Usage <= 1.43 MMft^3 per boiler per any consecutive 12 months. [N.J.A.C. 7:27-22.16(a)]	Natural Gas Usage: Monitored by fuel usage totalizing meter continuously. [N.J.A.C. 7:27-22.16(o)]	Natural Gas Usage: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. Fuel use for any 12 consecutive months is computed by adding the fuel consumed in a given month to that consumed in the preceding 11 months. [N.J.A.C. 7:27-22.16(o)]	None.
5	NOx (Total) <= 0.098 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	CO <= 0.0865 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP < 0.05 lb/hr (below permit reporting threshold). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Sixty Six (66) - Natural Gas Fired Boilers/Heaters/Furnaces between 1 MMBtu/hr and < 5 MMBtu/hr**

Operating Scenario: **OS35 1.05 MMBtu/hr NG Hot Water Heater @ B5405, OS36 1.05 MMBtu/hr NG Boiler #1 @ B5406, OS37 1.05 MMBtu/hr NG Boiler #2 @ B5406**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.63 lb/hr. Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 1.05 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	Boiler fuel limited to natural gas. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Natural Gas Usage <= 3 MMft^3 per boiler per any consecutive 12 months. [N.J.A.C. 7:27-22.16(a)]	Natural Gas Usage: Monitored by fuel usage totalizing meter continuously. [N.J.A.C. 7:27-22.16(o)]	Natural Gas Usage: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. Fuel use for any 12 consecutive months is computed by adding the fuel consumed in a given month to that consumed in the preceding 11 months. [N.J.A.C. 7:27-22.16(o)]	None.
5	NOx (Total) <= 0.103 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	CO <= 0.09 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP < 0.05 lb/hr (below permit reporting threshold). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Sixty Six (66) - Natural Gas Fired Boilers/Heaters/Furnaces between 1 MMBtu/hr and < 5 MMBtu/hr**
Operating Scenario: **OS38 1.35 MMBtu/hr NG Boiler #3 @ B5406**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.81 lb/hr. Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 1.35 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	Boiler fuel limited to natural gas. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Natural Gas Usage <= 3.854 MMft^3 per any consecutive 12 months. [N.J.A.C. 7:27-22.16(a)]	Natural Gas Usage: Monitored by fuel usage totalizing meter continuously. [N.J.A.C. 7:27-22.16(o)]	Natural Gas Usage: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. Fuel use for any 12 consecutive months is computed by adding the fuel consumed in a given month to that consumed in the preceding 11 months. [N.J.A.C. 7:27-22.16(o)]	None.
5	NOx (Total) <= 0.132 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	CO <= 0.111 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP < 0.05 lb/hr (below permit reporting threshold). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Sixty Six (66) - Natural Gas Fired Boilers/Heaters/Furnaces between 1 MMBtu/hr and < 5 MMBtu/hr**

Operating Scenario: **OS39 1.0 MMBtu/hr NG Boiler #1 @ B5441, OS40 1.0 MMBtu/hr NG Boiler #2 @ B5441, OS41 1.0 MMBtu/hr NG Boiler #3 @ B5441**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.6 lb/hr. Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 1 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	Boiler fuel limited to natural gas. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Natural Gas Usage <= 3 MMft^3 per boiler per any consecutive 12 months. [N.J.A.C. 7:27-22.16(a)]	Natural Gas Usage: Monitored by fuel usage totalizing meter continuously. [N.J.A.C. 7:27-22.16(o)]	Natural Gas Usage: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. Fuel use for any 12 consecutive months is computed by adding the fuel consumed in a given month to that consumed in the preceding 11 months. [N.J.A.C. 7:27-22.16(o)]	None.
5	NOx (Total) <= 0.096 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	CO <= 0.0824 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP < 0.05 lb/hr (below permit reporting threshold). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Sixty Six (66) - Natural Gas Fired Boilers/Heaters/Furnaces between 1 MMBtu/hr and < 5 MMBtu/hr**
Operating Scenario: **OS42 1.0 MMBtu/hr NG Boiler #1 @ B5519, OS43 1.0 MMBtu/hr NG Boiler #2 @ B5519**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.6 lb/hr. Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 1 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	Boiler fuel limited to natural gas. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Natural Gas Usage <= 2.855 MMft^3 per boiler per any consecutive 12 months. [N.J.A.C. 7:27-22.16(a)]	Natural Gas Usage: Monitored by fuel usage totalizing meter continuously. [N.J.A.C. 7:27-22.16(o)]	Natural Gas Usage: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. Fuel use for any 12 consecutive months is computed by adding the fuel consumed in a given month to that consumed in the preceding 11 months. [N.J.A.C. 7:27-22.16(o)]	None.
5	NOx (Total) <= 0.098 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	CO <= 0.082 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP < 0.05 lb/hr (below permit reporting threshold). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Sixty Six (66) - Natural Gas Fired Boilers/Heaters/Furnaces between 1 MMBtu/hr and < 5 MMBtu/hr**

Operating Scenario: **OS44 1.81 MMBtu/hr NG Boiler #1 @ B5645, OS45 1.81 MMBtu/hr NG Boiler #2 @ B5645**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.09 lb/hr. Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 1.81 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	Boiler fuel limited to natural gas. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Natural Gas Usage <= 5.17 MMft^3 per boiler per any consecutive 12 months. [N.J.A.C. 7:27-22.16(a)]	Natural Gas Usage: Monitored by fuel usage totalizing meter continuously. [N.J.A.C. 7:27-22.16(o)]	Natural Gas Usage: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. Fuel use for any 12 consecutive months is computed by adding the fuel consumed in a given month to that consumed in the preceding 11 months. [N.J.A.C. 7:27-22.16(o)]	None.
5	NOx (Total) <= 0.18 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	CO <= 0.149 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP < 0.05 lb/hr (below permit reporting threshold). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Sixty Six (66) - Natural Gas Fired Boilers/Heaters/Furnaces between 1 MMBtu/hr and < 5 MMBtu/hr**
Operating Scenario: **OS46 1.386 MMBtu/hr NG Boiler #2 @ B5986**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.83 lb/hr. Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 1.39 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	Boiler fuel limited to natural gas. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Natural Gas Usage <= 3.957 MMft^3 per any consecutive 12 months. [N.J.A.C. 7:27-22.16(a)]	Natural Gas Usage: Monitored by fuel usage totalizing meter continuously. [N.J.A.C. 7:27-22.16(o)]	Natural Gas Usage: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. Fuel use for any 12 consecutive months is computed by adding the fuel consumed in a given month to that consumed in the preceding 11 months. [N.J.A.C. 7:27-22.16(o)]	None.
5	NOx (Total) <= 0.136 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	CO <= 0.114 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP < 0.05 lb/hr (below permit reporting threshold). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Sixty Six (66) - Natural Gas Fired Boilers/Heaters/Furnaces between 1 MMBtu/hr and < 5 MMBtu/hr**

Operating Scenario: **OS48 2.836 MMBtu/hr NG Boiler #1 @ B5231, OS49 2.836 MMBtu/hr NG Boiler #2 @ B5231**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.7 lb/hr. Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 2.84 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	Boiler fuel limited to natural gas. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Natural Gas Usage <= 8.1 MMft^3 per boiler per any consecutive 12 months. [N.J.A.C. 7:27-22.16(a)]	Natural Gas Usage: Monitored by fuel usage totalizing meter continuously. [N.J.A.C. 7:27-22.16(o)]	Natural Gas Usage: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. Fuel use for any 12 consecutive months is computed by adding the fuel consumed in a given month to that consumed in the preceding 11 months. [N.J.A.C. 7:27-22.16(o)]	None.
5	NOx (Total) <= 0.278 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	CO <= 0.234 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP < 0.05 lb/hr (below permit reporting threshold). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Sixty Six (66) - Natural Gas Fired Boilers/Heaters/Furnaces between 1 MMBtu/hr and < 5 MMBtu/hr**

Operating Scenario: **OS50 3.0 MMBtu/hr NG Boiler #1 @ B4401, OS51 3.0 MMBtu/hr NG Boiler #2 @ B4401**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.8 lb/hr. Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 3 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	Boiler fuel limited to natural gas. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Natural Gas Usage <= 8.565 MMft^3 per boiler per any consecutive 12 months. [N.J.A.C. 7:27-22.16(a)]	Natural Gas Usage: Monitored by fuel usage totalizing meter continuously. [N.J.A.C. 7:27-22.16(o)]	Natural Gas Usage: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. Fuel use for any 12 consecutive months is computed by adding the fuel consumed in a given month to that consumed in the preceding 11 months. [N.J.A.C. 7:27-22.16(o)]	None.
5	NOx (Total) <= 0.29 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	CO <= 0.247 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP <= 0.05 lb/hr (below permit reporting threshold). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Sixty Six (66) - Natural Gas Fired Boilers/Heaters/Furnaces between 1 MMBtu/hr and < 5 MMBtu/hr**
Operating Scenario: **OS52 2.0 MMBtu/hr NG Boiler #3 @ B4401**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.2 lb/hr. Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 2 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	Boiler fuel limited to natural gas. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Natural Gas Usage <= 4.28 MMft^3 per any consecutive 12 months. [N.J.A.C. 7:27-22.16(a)]	Natural Gas Usage: Monitored by fuel usage totalizing meter continuously. [N.J.A.C. 7:27-22.16(o)]	Natural Gas Usage: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. Fuel use for any 12 consecutive months is computed by adding the fuel consumed in a given month to that consumed in the preceding 11 months. [N.J.A.C. 7:27-22.16(o)]	None.
5	NOx (Total) <= 0.2 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	CO <= 0.16 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP < 0.05 lb/hr (below permit reporting threshold). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Sixty Six (66) - Natural Gas Fired Boilers/Heaters/Furnaces between 1 MMBtu/hr and < 5 MMBtu/hr**
Operating Scenario: **OS53 3.75 MMBtu/hr NG Heater @ B8411**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 2.25 lb/hr. Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 3.75 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	Boiler fuel limited to natural gas. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Natural Gas Usage <= 32.2 MMft^3 per any consecutive 12 months based on 8760 hours of operation per year. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	NOx (Total) <= 0.37 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	CO <= 0.31 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Sixty Six (66) - Natural Gas Fired Boilers/Heaters/Furnaces between 1 MMBtu/hr and < 5 MMBtu/hr**

Operating Scenario: **OS54 3.11 MMBTU/hr NG Direct Fired Gas Heater Air Make-up Unit @ B8304**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.87 lb/hr. Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 3.11 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	Boiler fuel limited to natural gas. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Natural Gas Usage <= 26.71 MMft^3 per any consecutive 12 months based on 8760 hours of operation per year. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	NOx (Total) <= 0.3 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	CO <= 0.26 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP < 0.05 lb/hr (below permit reporting threshold). [N.J.A.C. 7:27-22.16(o)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Sixty Six (66) - Natural Gas Fired Boilers/Heaters/Furnaces between 1 MMBtu/hr and < 5 MMBtu/hr**

Operating Scenario: **OS55 2 MMBTU/hr (HHV), NG Boiler (BOP190005), OS56 2 MMBTU/hr (HHV), NG Boiler (BOP190006), OS58 2 MMBTU/hr (HHV), NG Boiler (BOP190008)**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.2 lb/hr. Particulate emission limit from the combustion of fuel based on the rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 2 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	Boiler or Heater fuel limited to natural gas. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Natural Gas Usage <= 17.17 MMft^3 per boiler per any consecutive 12 months based on 8760 hours of operation per year. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	NOx (Total) <= 0.196 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	CO <= 0.165 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	Cadmium compounds <= 0.0000022 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Sixty Six (66) - Natural Gas Fired Boilers/Heaters/Furnaces between 1 MMBtu/hr and < 5 MMBtu/hr**

Operating Scenario: **OS57 1.3 MMBTU/hr (HHV), NG Boiler (BOP190007), OS59 1.3 MMBTU/hr (HHV), NG Boiler (BOP190009), OS60 1.3 MMBTU/hr (HHV), NG Boiler (BOP190010), OS61 1.3 MMBTU/hr (HHV), NG Boiler (BOP190011)**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.78 lb/hr. Particulate emission limit from the combustion of fuel based on the rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 1.3 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	Boiler or Heater fuel limited to natural gas. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Natural Gas Usage <= 11.16 MMft^3 per boiler per any consecutive 12 months based on 8760 hours of operation per year. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	NOx (Total) <= 0.127 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	CO <= 0.107 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	Cadmium compounds <= 0.0000014 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Sixty Six (66) - Natural Gas Fired Boilers/Heaters/Furnaces between 1 MMBtu/hr and < 5 MMBtu/hr**
Operating Scenario: **OS62 1.25 MMBTU/hr (HHV), NG Boiler (BOP190012)**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.75 lb/hr. Particulate emission limit from the combustion of fuel based on the rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 1.25 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	Boiler or Heater fuel limited to natural gas. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Natural Gas Usage <= 10.74 MMft^3 per any consecutive 12 months based on 8760 hours of operation per year. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	NOx (Total) <= 0.123 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	CO <= 0.103 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	Cadmium compounds <= 0.0000014 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Sixty Six (66) - Natural Gas Fired Boilers/Heaters/Furnaces between 1 MMBtu/hr and < 5 MMBtu/hr**
Operating Scenario: **OS63 1.0 MMBTU/hr (HHV), NG Boiler (BOP190013)**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.6 lb/hr. Particulate emission limit from the combustion of fuel based on the rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 1 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	Boiler or Heater fuel limited to natural gas. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Natural Gas Usage <= 8.59 MMft^3 per any consecutive 12 months based on 8760 hours of operation per year. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	NOx (Total) <= 0.098 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	CO <= 0.082 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Sixty Six (66) - Natural Gas Fired Boilers/Heaters/Furnaces between 1 MMBtu/hr and < 5 MMBtu/hr**

Operating Scenario: **OS64 1.38 MMBTU/hr (HHV), NG Boiler (BOP190014), OS65 1.38 MMBTU/hr (HHV), NG Boiler (BOP190015)**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.828 lb/hr. Particulate emission limit from the combustion of fuel based on the rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 1.38 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	Boiler or Heater fuel limited to natural gas. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Natural Gas Usage <= 11.85 MMft^3 per any consecutive 12 months based on 8760 hours of operation per year. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	NOx (Total) <= 0.135 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	CO <= 0.114 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	Cadmium compounds <= 0.0000015 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Sixty Six (66) - Natural Gas Fired Boilers/Heaters/Furnaces between 1 MMBtu/hr and < 5 MMBtu/hr**

Operating Scenario: **OS66 1.04 MMBTU/hr (HHV), NG Boiler (BOP200001), OS67 1.04 MMBTU/hr (HHV), NG Boiler (BOP200002), OS68 1.04 MMBTU/hr (HHV), NG Boiler (BOP200003)**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.624 lb/hr. Particulate emission limit from the combustion of fuel based on the rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 1.04 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	Boiler or Heater fuel limited to natural gas. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Natural Gas Usage <= 8.93 MMft^3 per any consecutive 12 months based on 8760 hours of operation per year. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	NOx (Total) <= 0.1 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	CO <= 0.09 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U2 Eight (8) - Diesel/Fuel Oil Boilers >= 1 MMBtu/hr and < 5 MMBtu/hr**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Summary of Federal Applicable Regulations: 40 CFR 63 - Subpart A 40 CFR 63 - Subpart JJJJJJ [40 CFR Federal Rules Summary]	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. 7:27-3.2(a)] and [N.J.A.C. 7:27- 3.2(c)]	Monitored by visual determination each month during operation. Conduct visual opacity inspections of each boiler during daylight hours to identify if the stack has visible emissions, other than condensed water vapor. Select an observation position enabling clear view of emission point(s), minimum 15 feet away without sunlight shining directly into the eyes. Observe for a minimum duration of 30 minutes. Clock observation with two stopwatches starting the 1st watch at the commencement of the 30-minute observation period and starting and stopping the 2nd watch every time visible emissions are first seen and when they cease and record the observation. If visible emissions are observed for more than 3 minutes in the 30-consecutive minutes: (1) Verify the equipment and/or control device causing visible emissions is operating according to manufacturer's specifications. If it is not operating properly, take corrective action immediately to eliminate the excess emissions. (2) If the opacity problem is not corrected within 24 hours, perform a check via a certified opacity reader, in accordance with N.J.A.C. 7:27B-2. Conduct such test each day until the opacity problem is successfully corrected. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. Record and retain the following: (1) Date and time of inspection; (2) Emission Point number; (3) Operational status of equipment: (4) Observed results and conclusions: (5) Description of corrective action taken if needed; (6) Date and time opacity problem was solved, if applicable; (7) Required observation data according to N.J.A.C. 7:27B-2.5, if conducted; and (8) Name of person(s) conducting inspection. Records shall be maintained on site for a minimum of five years after collection and shall be made available to representatives of the Department upon request. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
3	Sulfur Content in Fuel <= 15 ppmw (0.0015% by weight). [N.J.A.C. 7:27-9.2(b)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	None.
4	Fuel stored in New Jersey that met the applicable maximum sulfur content standard of Tables 1A or 1B of N.J.A.C. 7:27-9.2 at the time it was stored in New Jersey may be used in New Jersey after the operative date of the applicable standard in Table 1B. [N.J.A.C. 7:27- 9.2(b)]	None.	None.	None.
5	NOx (Total) <= 5.74 tons/yr. Annual emission limit based on the combined fuel usage limits for OS1-OS8. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	CO <= 0.7 tons/yr. Annual emission limit based on the combined fuel usage limits for OS1, OS2, OS4 and OS5. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	Cadmium compounds <= 0.000031 tons/yr. Annual emission limit based on the combined fuel usage limits for OS2, OS5 and OS8. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Arsenic compounds <= 0.000042 tons/yr. Annual emission limit based on the combined fuel usage limits for OS2, OS5 and OS8. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Beryllium compounds <= 0.000026 tons/yr. Annual emission limit based on the combined fuel usage limits for OS2 and OS8. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
10	HAPs (Total) <= 0.000099 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
11	No owner or operator of an affected boiler 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.
12	The owner and operator of an affected boiler 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.
13	The owner or operator of an affected boiler shall conduct monitoring as specified in the relevant standard, unless otherwise specified by the Administrator. [40 CFR 63.8(b)(1)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
14	The owner or operator of an affected boiler shall notify the Administrator that the source becomes subject to a relevant standard. The notification shall include the information as specified in 40 CFR 63.9(b)(2). [40 CFR 63.9(b)(2)]	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)].	Submit notification: As per the approved schedule. Within 120 calendar days after the source becomes subject to the relevant standard, if initial startup of the affected source is before the effective date of the standard. [40 CFR 63.9(b)(2)]
15	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.	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)].	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)]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
16	The owner or operator of an affected boiler 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)]
17	The permittee at all times must operate and maintain any affected source, including associated air pollution control equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. [40 CFR 63.11205(a)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The permittee shall keep records of the occurrence and duration of each malfunction of the boiler, or of the associated air pollution control and monitoring equipment. The permittee shall keep records of actions taken during periods of malfunction to minimize emissions in accordance with the general duty to minimize emissions in 40 CFR 63.11205(a), including corrective actions to restore the malfunctioning boiler, air pollution control, or monitoring equipment to its normal or usual manner of operation. The permittee shall maintain all records in accordance with 40 CFR 63.11225(d). [40 CFR 63.11225(c)]	None.

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Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
18	The permittee shall conduct an initial tune-up no later than March 21, 2014 and subsequent once a 5-year tune-ups no later than 61 months after the previous tune-up. The tune-ups shall be conducted, as required in Table 2 to 40 CFR Part 63, Subpart JJJJJJ, and in accordance with 40 CFR 63.11223(b) as follows: (1) As applicable, inspect the burner, and clean or replace any components of the burner as necessary. The burner inspection may be delayed until the next scheduled unit shutdown, not to exceed 72 months from the previous inspection. (2) Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available. (3) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly. The inspection may be delayed until the next scheduled unit shutdown, not to exceed 72 months from the previous inspection. (4) Optimize total emissions of carbon monoxide. This optimization should be consistent with the manufacturer's specifications, if available, and with any nitrogen oxide requirement to which the unit is subject. As per 40 CFR 63.11223(b)(7), if the unit is not operating on the required date for a tune-up, the tune-up must be conducted within 30 days of startup. [40 CFR 63.11214(b)]	Monitored by periodic emission monitoring once initially and once every 5 years. Measure the concentrations in the effluent stream of carbon monoxide (CO) in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable CO analyzer. Per 40 CFR 63.11223(c), if an oxygen trim system is utilized on a unit without emission standards to reduce the tune-up frequency to once every 5 years, set the oxygen level no lower than the oxygen concentration measured during the most recent tune-up. [40 CFR 63.11223(b)(5)]	Recordkeeping by manual logging of parameter or storing data in a computer data system once initially and once every 5 years. The permittee shall keep the following records for a period of 5 years following the date of each recorded action as per 40 CFR 63.11225(d) to document conformance with once every 5 years tune-up: Records identifying each boiler, the date of tune-up, the procedures followed for tune-ups and the manufacturer's specifications to which the boiler was tuned. Per 40 CFR 63.11223(b)(6), the permittee must maintain a report containing the following information on site: (i) The concentrations of CO in the effluent stream in parts per million, by volume, and oxygen in volume percent, measured at high fire or typical operating load, before and after the tune-up of the boiler. (ii) A description of any corrective actions taken as a part of the tune-up of the boiler. (iii) The type and amount of fuel used over the 12 months prior to the tune-up of the boiler, but only if the unit was physically and legally capable of using more than one type of fuel during that period. Units sharing a fuel meter may estimate the fuel use by each unit. Additional recordkeeping is required for each seasonal boiler and each limited-use boiler, per 40 CFR 63.11225(c)(2)(v) and (vi), respectively. [40 CFR 63.11225(c)(2)]	Submit notification: Once initially. Submit a Notification of Compliance status by July 19, 2014 electronically using the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through EPA's Central Data Exchange (CDX) (www.epa.gov/cdx). The Notification of Compliance Status must include the certification(s) of compliance for the following statement: "This facility complies with the requirements in 40 CFR 63.11214 to conduct an initial tune-up of boiler" and must be signed by a responsible official. If the reporting form specific to MACT JJJJJJ is not available in CEDRI at the time that the report is due, the written Notification of Compliance Status must be submitted to the EPA Administrator Region 2 at the appropriate address listed in 40 CFR 63.13. [40 CFR 63.11225(a)(4)]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
19	The permittee must submit the Initial Notification of Applicability no later than January 20, 2014. [40 CFR 63.11225(a)(2)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Maintain a copy of the Initial Notification and all supporting documentation for a period of 5 years. [40 CFR 63.11225(c)] and [40 CFR 63.11225(d)]	Submit notification: Once initially by January 20, 2014 or within 120 days after startup of a new source to the Administrator, EPA Region 2, certified by the responsible official. The Initial Notification shall also be submitted to NJ DEP, per 40 CFR 63.13. The permittee may use instructions and the forms provided on the EPA website https://www.epa.gov/ stationary-sources-air-pollution/ compliance-industrial-commercial-and -institutional-area-source [40 CFR 63.11225]
20	Prepare a biennial or 5-year, as applicable, compliance certification report by March 1 of the applicable year and submit to the delegated authority upon request, a compliance certification report for the previous calendar years containing the following information: (1) Company name and address. (2) Statement by responsible official, with the official's name, title, phone number, e-mail address, and signature, certifying the truth, accuracy and completeness of the notification and statement of whether the source has complied with all the relevant standards and other requirements of 40 CFR Part 63, Subpart JJJJJJ. The notification must include the following certification(s) of compliance and signed by a responsible official: (i) "This facility complies with the requirements in 40 CFR 63.11223 to conduct a biennial or 5-year tune-up, as applicable, of each boiler." (ii) For units that do not qualify for a statutory exemption as provided in section 129(g)(1) of the Clean Air Act: "No secondary materials that are solid waste were combusted in any affected unit." [40 CFR 63.11225(b)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system at the approved frequency. The permittee shall keep the records prescribed at 40 CFR 63.11225(b)(1) through (b)(2). [40 CFR 63.11225(b)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
21	The permittee must provide notice of the date upon which the permittee switched fuels, made the physical change, or took a permit limit that may result in the applicability of a different subcategory or switch out of 40 CFR Part 63, Subpart JJJJJJ due to a fuel change that results in the boiler meeting the definition of gas-fired boiler as defined in 40 CFR 63.11237, or taking a permit limit. The notice must be provided within 30 days of the change. [40 CFR 63.11225(g)]	None.	None.	Submit notification: Upon occurrence of event. Submit a written notification to the Administrator, EPA Region 2. The notification must identify: (1) The name of the owner or operator of the affected source, the location of the source, the boiler(s) that have switched fuels, were physically changed, or took a permit limit, and the date of the notice. (2) The date upon which the fuel switch, physical change, or permit limit occurred. [40 CFR 63.11225(g)]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U2 Eight (8) - Diesel/Fuel Oil Boilers >= 1 MMBtu/hr and < 5 MMBtu/hr**
Operating Scenario: **OS1 1.904 MMBtu/hr FO#2 Boiler @ B3130**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.39 lb/hr Particulate emission limit from the combustion of fuel, based on the rated heat input of the source:. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 1.904 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	Boiler fuel limited to No. 2 fuel oil or kerosene. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Fuel Oil Usage <= 153,200 gallons per any consecutive 12 months based on 8760 hours of operation per year. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	NOx (Total) <= 0.27 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	CO <= 0.07 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U2 Eight (8) - Diesel/Fuel Oil Boilers >= 1 MMBtu/hr and < 5 MMBtu/hr**
Operating Scenario: **OS2 1.904 MMBtu/hr FO#2 Boiler @ B5344**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.99 lb/hr Particulate emission limit from the combustion of fuel, based on the heat input rate of the source:. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 1.904 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	Boiler fuel limited to No. 2 fuel oil or kerosene. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	No. 2 Fuel Oil Usage <= 61,013 gallons per any consecutive 12 months. [N.J.A.C. 7:27-22.16(a)]	No. 2 Fuel Oil Usage: Monitored by fuel usage totalizing meter continuously. [N.J.A.C. 7:27-22.16(o)]	No. 2 Fuel Oil Usage: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. Fuel use for any 12 consecutive months is computed by adding the fuel consumed in a given month to that consumed in the preceding 11 months. [N.J.A.C. 7:27-22.16(o)]	None.
5	NOx (Total) <= 0.27 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	CO <= 0.07 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	Cadmium compounds <= 0.0000057 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Arsenic compounds <= 0.0000076 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Beryllium compounds <= 0.0000057 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U2 Eight (8) - Diesel/Fuel Oil Boilers >= 1 MMBtu/hr and < 5 MMBtu/hr**
Operating Scenario: **OS3 1.05 MMBtu/hr FO#2 Boiler @ B5345**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.63 lb/hr Particulate emission limit from the combustion of fuel, based on the heat input rate of the source:. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 1.05 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	Boiler fuel limited to No. 2 fuel oil or kerosene. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	No. 2 Fuel Oil Usage <= 61,013 gallons per any consecutive 12 months. [N.J.A.C. 7:27-22.16(a)]	No. 2 Fuel Oil Usage: Monitored by fuel usage totalizing meter continuously. [N.J.A.C. 7:27-22.16(o)]	No. 2 Fuel Oil Usage: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. Fuel use for any 12 consecutive months is computed by adding the fuel consumed in a given month to that consumed in the preceding 11 months. [N.J.A.C. 7:27-22.16(o)]	None.
5	NOx (Total) <= 0.15 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	TSP < 0.05 lb/hr (below permit reporting threshold). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U2 Eight (8) - Diesel/Fuel Oil Boilers >= 1 MMBtu/hr and < 5 MMBtu/hr**
Operating Scenario: **OS4 1.820 MMBtu/hr FO#2 Boiler @ B5348**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.09 lb/hr. Maximum particulate emission limit from the combustion of fuel based on the rated heat input of the source. [N.J.A.C. 7:27-4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 1.82 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	Boiler fuel limited to No. 2 fuel oil or kerosene. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	No. 2 Fuel Oil Usage <= 37,856 gallons per any consecutive 12 months. [N.J.A.C. 7:27-22.16(a)]	No. 2 Fuel Oil Usage: Monitored by fuel usage totalizing meter continuously. [N.J.A.C. 7:27-22.16(o)]	No. 2 Fuel Oil Usage: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. Fuel use for any 12 consecutive months is computed by adding the fuel consumed in a given month to that consumed in the preceding 11 months. [N.J.A.C. 7:27-22.16(o)]	None.
5	NOx (Total) <= 0.26 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	CO <= 0.065 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP < 0.05 lb/hr (below permit reporting threshold). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U2 Eight (8) - Diesel/Fuel Oil Boilers >= 1 MMBtu/hr and < 5 MMBtu/hr**
Operating Scenario: **OS5 1.904 MMBtu/hr FO#2 Boiler @ B6501B**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.8 lb/hr. Maximum particulate emission limit from the combustion of fuel based on the rated heat input of the source. [N.J.A.C. 7:27-4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 1.904 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(a)].	None.
3	Boiler fuel limited to No. 2 fuel oil or kerosene. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	No. 2 Fuel Oil Usage <= 27,955 gallons per any consecutive 12 months. [N.J.A.C. 7:27-22.16(a)]	No. 2 Fuel Oil Usage: Monitored by fuel usage totalizing meter continuously. [N.J.A.C. 7:27-22.16(o)]	No. 2 Fuel Oil Usage: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. Fuel use for any 12 consecutive months is computed by adding the fuel consumed in a given month to that consumed in the preceding 11 months. [N.J.A.C. 7:27-22.16(o)]	None.
5	NOx (Total) <= 0.27 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	CO <= 0.07 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP < 0.05 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Cadmium compounds <= 0.0000057 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Arsenic compounds <= 0.0000076 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U2 Eight (8) - Diesel/Fuel Oil Boilers >= 1 MMBtu/hr and < 5 MMBtu/hr**

Operating Scenario: **OS6 1.36 MMBtu/hr FO#2 Boiler #1 @ B B8102, OS7 1.36 MMBtu/hr FO#2 Boiler #2 @ B B8102**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.82 lb/hr Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 1.36 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	Boiler fuel limited to No. 2 fuel oil or kerosene. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Fuel Oil Usage <= 84,972 gallons per boiler per any consecutive 12 months based on 8760 hours of operation per year. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	NOx (Total) <= 0.194 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	TSP < 0.05 lb/hr (below permit reporting threshold). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U2 Eight (8) - Diesel/Fuel Oil Boilers >= 1 MMBtu/hr and < 5 MMBtu/hr**

Operating Scenario: **OS8 1.01 MMBTU/hr (HHV), Boiler No. 2 Fuel Oil Only GOP-007-3 Boiler @ Bldg 2113**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.61 lb/hr Particulate emission limit from the combustion of fuel based on the rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 1.01 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	Boiler fuel limited to No. 2 fuel oil or kerosene. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Fuel Oil Usage <= 63,200 gallons per any consecutive 12 months based on 8760 hours of operation per year. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	NOx (Total) <= 0.144 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	TSP < 0.05 lb/hr (below permit reporting threshold). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	Cadmium compounds <= 0.000003 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Arsenic compounds <= 0.000004 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Beryllium compounds <= 0.000003 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U3 Twenty Nine (29) - Diesel-Fired Emergency Generators**
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 APPLICABLE TO U3:OS10, 11, 13, 14, 15, 17, 18, 19, 20, 21, 23, 24, 25, 30, 31, 32, 33, 34, 35 and 36. [40 CFR Federal Rules Summary]	None.	None.	None.
2	Opacity <= 20 % , exclusive of visible condensed water vapor, except for a period of not longer than 10 consecutive seconds. [N.J.A.C. 7:27- 3.5]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

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

New Jersey Department of Environmental Protection
Facility Specific Requirements

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

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
5	Hours of Operation <= 100 hr/yr for testing and maintenance. The limit on the allowable hours for testing and maintenance in accordance with the documentation from manufacturer, the vendor, or the insurance company associated with the engine. [N.J.A.C. 7:27-22.16(a)]	Hours of Operation: Monitored by hour/time monitor continuously. [N.J.A.C. 7:27-22.16(o)]	Hours of Operation: Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The owner or operator shall maintain on site and record the following information: For each time the emergency generator is specifically operated for testing or maintenance: i. The reason for its operation; ii. The date(s) of operation and the start up and shut down time; iii. The total operating time for testing or maintenance based on the generator's hour meter; and iv. The name of the operator. [N.J.A.C. 7:27-19.11]	None.
6	Sulfur Content in Fuel <= 15 ppmw (0.0015% by weight). [N.J.A.C. 7:27-9.2(b)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	None.
7	Fuel stored in New Jersey that met the applicable maximum sulfur content standard of Tables 1A or 1B of N.J.A.C. 7:27-9.2 at the time it was stored in New Jersey may be used in New Jersey after the operative date of the applicable standard in Table 1B. [N.J.A.C. 7:27- 9.2(b)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

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

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
9	VOC (Total) <= 0.71 tons/yr. Annual emission limit based on the permitted hours per year of operation for each emergency generator. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
10	NOx (Total) <= 11 tons/yr. Annual emission limit based on the permitted hours per year of operation for each emergency generator. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
11	CO <= 4.17 tons/yr. Annual emission limit based on the permitted hours per year of operation for each emergency generator. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
12	TSP <= 0.54 tons/yr. Annual emission limit based on the permitted hours per year of operation for each emergency generator. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
13	PM-10 (Total) <= 0.54 tons/yr. Annual emission limit based on the permitted hours per year of operation for each emergency generator. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
14	PM-2.5 (Total) <= 0.54 tons/yr. Annual emission limit based on PM-10 emissions limit for each emergency generator. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
15	All requests, reports, applications, submittals, and other communications to the Administrator pursuant to Part 60 shall be submitted in duplicate to the Regional Office of US Environmental Protection Agency. Submit information to: Director, Division of Enforcement & Compliance Assistance, US EPA, Region 2, 290 Broadway, New York, NY 10007-1866. (NSPS Subpart A) [40 CFR 60.4(a)]	None.	None.	Submit a report: As per the approved schedule to EPA Region 2 as required by 40 CFR 60. [40 CFR 60.4(a)]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
16	Copies of all information submitted to EPA pursuant to 40 CFR Part 60, must also be submitted to the appropriate Regional Enforcement Office of NJDEP. (NSPS Subpart A) [40 CFR 60.4(b)]	None.	None.	Submit a report: As per the approved schedule to the appropriate Regional Enforcement Office of NJDEP as required by 40 CFR 60. [40 CFR 60.4(b)]
17	The owner or operator subject to the provisions of 40 CFR Part 60 shall furnish the Administrator written notification or, if acceptable to both the Administrator and the owner or operator of a source, electronic notification, of the date of construction or reconstruction of an affected facility as defined under 40 CFR Part 60 Subpart A. Notification shall be postmarked no later than 30 days after such date. (NSPS Subpart A) [40 CFR 60.7(a)(1)]	None.	None.	Submit notification: Upon occurrence of event to EPA Region 2 and the appropriate Regional Enforcement Office of NJDEP as required by 40 CFR 60.7 [40 CFR 60.7(a)(1)]
18	No owner or operator subject to NSPS standards in Part 60, shall build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere. (NSPS Subpart A) [40 CFR 60.12]	None.	None.	None.
19	The owner or operator shall notify the Administrator of the proposed replacement of components, upon triggering reconstruction as defined at 40 CFR 60.15. (NSPS Subpart A) [40 CFR 60.15]	None.	None.	Submit notification: At a common schedule agreed upon by the operator and the Administrator. The notification shall include information listed under 40 CFR Part 60.15(d). The notification shall be postmarked 60 days (or as soon as practicable) before construction of the replacements is commenced. [40 CFR 60.15(d)]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
20	Changes in time periods for submittal of information and postmark deadlines set forth in this subpart, may be made only upon approval by the Administrator and shall follow procedures outlined in 40 CFR Part 60.19. (NSPS Subpart A) [40 CFR 60.19]	None.	None.	None.
21	Owners and operators of stationary CI internal combustion engines must operate and maintain stationary CI ICE that achieve the emission standards as required in 40 CFR 60.4204 and 60.4205 over the entire life of the engine. (NSPS Subpart IIII) [40 CFR 60.4206]	None.	Other: The owner or operator shall keep the manufacturer's emission-related written instructions over the entire life of the engine. If the manufacturer's emission-related written instructions are not followed, the owner or operator must keep the results of the performance test(s) demonstrating compliance with the applicable emission limits. [40 CFR 60.4206].	None.
22	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. (NSPS Subpart IIII) [40 CFR 60.4207(b)]	Monitored by review of fuel delivery records once per bulk fuel shipment. For each diesel delivery received, the owner or operator shall review written documentation of the delivery to ensure the maximum allowable fuel oil sulfur content and either a minimum cetane index or a maximum aromatic content is not being exceeded. Such written documentation can include, but is not limited to: bill of lading, delivery invoice, certificate of analysis. [N.J.A.C. 7:27- 8.13(d)]	Recordkeeping by invoices / bills of lading / certificate of analysis once per bulk fuel shipment. The owner or operator shall keep records of fuel showing oil sulfur content and either a minimum cetane index or a maximum aromatic content for each delivery received. All records must be maintained for a minimum of 2 years following the date of such records per 40 CFR 60.7(f). [N.J.A.C. 7:27- 8.13(d)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
23	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. If the engine and control device is not installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions, or emission-related settings are changed in a way that is not permitted by the manufacturer, the owner or operator must demonstrate compliance as prescribed at 40 CFR 60.4211(g)(1), (2) or (3) depending on the maximum engine power. (NSPS Subpart IIII) [40 CFR 60.4211(a)]	None.	Other: The owner or operator shall keep the manufacturer's emission-related written instructions. If not complying with manufacturer's emission-related written instructions or emission-related settings, the owner or operator shall must keep a maintenance plan, records of conducted maintenance, and conduct a performance test(s), as prescribed at 40 CFR 60.4211(g). [40 CFR 60.4211].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
24	Emergency stationary internal combustion engines may be operated for the purpose of maintenance checks and readiness testing limited to 100 hours per year, provided that those tests are recommended by Federal, State, or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Anyone may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency ICE beyond 100 hours per year. (NSPS Subpart IIII) [40 CFR 60.4211(f)(2)(i)]	Monitored by hour/time monitor continuously. The owner or operator of an emergency stationary internal combustion engine that does not meet the standards applicable to non-emergency engines must install a non-resettable hour meter prior to startup of the engine. [40 CFR 60.4209(a)]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The owner or operator must record the time of operation of the emergency engine and the reason the engine was in operation during that time. Starting with the model year 2011, 2012, or 2013, depending on the maximum engine power as provided in Table 5 in NSPS IIII, the owner or operator must keep records of the operation of the engine in emergency and non-emergency service that are recorded through the non-resettable hour meter if the emergency engine does not meet the standards in 40 CFR 60.4204, applicable to non-emergency engines, in the applicable model year. The emergency engine must comply with the labeling requirements in 40 CFR 60.4210(f). [40 CFR 60.4214(b)]	None.
25	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. (MACT Subpart ZZZZ) [40 CFR 63.6590(c)]	Other: Comply with all applicable provisions at NSPS IIII. [40 CFR 63].	Other: Comply with all applicable provisions at NSPS IIII. [40 CFR 63].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U3 Twenty Nine (29) - Diesel-Fired Emergency Generators**

Operating Scenario: **OS2 1000 kW (10.7 MMBtu/hr) Diesel EmGen #1 @ B4357, OS3 1000 kW (10.7 MMBtu/hr) Diesel EmGen #2 @ B4357**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 6.42 lb/hr. Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 10.7 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	Generator fuel limited to diesel fuel. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	VOC (Total) <= 0.96 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	NOx (Total) <= 34.2 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	CO <= 9.1 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP <= 1.07 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	PM-10 (Total) <= 1.07 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	PM-2.5 (Total) <= 1.07 lb/hr. Based on PM-10 emissions limit. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U3 Twenty Nine (29) - Diesel-Fired Emergency Generators**
Operating Scenario: **OS5 400 kW (4.263 MMBtu/hr) Diesel EmGen @ B92**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 2.56 lb/hr. Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 4.26 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	Generator fuel limited to diesel fuel. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	VOC (Total) <= 1.53 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	NOx (Total) <= 18.8 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	CO <= 4.05 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP <= 1.32 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	PM-10 (Total) <= 1.32 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	PM-2.5 (Total) <= 1.32 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U3 Twenty Nine (29) - Diesel-Fired Emergency Generators**
Operating Scenario: **OS6 200 kW (2.435 MMBtu/hr) Diesel EmGen @ B1190**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.46 lb/hr. Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 2.45 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	Generator fuel limited to diesel fuel. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	VOC (Total) <= 0.88 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	NOx (Total) <= 10.8 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	CO <= 2.33 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP <= 0.76 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	PM-10 (Total) <= 0.76 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	PM-2.5 (Total) <= 0.76 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U3 Twenty Nine (29) - Diesel-Fired Emergency Generators**
Operating Scenario: **OS7 750 kW (7.1 MMBtu/hr) Diesel EmGen @ B5543**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 4.26 lb/hr. Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 7.1 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	Generator fuel limited to diesel fuel. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	VOC (Total) <= 0.64 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	NOx (Total) <= 22.7 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	CO <= 6.04 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP <= 0.71 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	PM-10 (Total) <= 0.71 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	PM-2.5 (Total) <= 0.71 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

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Facility Specific Requirements

Emission Unit: **U3 Twenty Nine (29) - Diesel-Fired Emergency Generators**
Operating Scenario: **OS8 200 kW (2.4 MMBtu/hr) Diesel EmGen @ B5280**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.44 lb/hr. Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 2.4 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	Generator fuel limited to diesel fuel. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	VOC (Total) <= 0.86 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	NOx (Total) <= 10.58 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	CO <= 2.28 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP <= 0.74 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	PM-10 (Total) <= 0.74 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	PM-2.5 (Total) <= 0.74 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

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Facility Specific Requirements

Emission Unit: **U3 Twenty Nine (29) - Diesel-Fired Emergency Generators**
Operating Scenario: **OS9 275 kW (3.7 MMBtu/hr) Diesel EmGen @ B7061**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 2.22 lb/hr. Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 3.7 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	Generator fuel limited to diesel fuel. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	VOC (Total) <= 1.33 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	CO <= 3.52 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	NOx (Total) <= 16.3 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP <= 1.15 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	PM-10 (Total) <= 1.15 lb/hr. [N.J.A.C. 7:27-22.16(o)]	None.	None.	None.
9	PM-2.5 (Total) <= 1.15 lb/hr. Based on PM-10 emissions limit. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U3 Twenty Nine (29) - Diesel-Fired Emergency Generators**
Operating Scenario: **OS10 275 kW (2.558 MMBtu/hr) Diesel EmGen @ B5321**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.53 lb/hr. Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 2.55 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	Generator fuel limited to diesel fuel. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	VOC (Total) <= 0.45 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	NOx (Total) <= 3.12 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	CO <= 3.84 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP <= 0.18 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	PM-10 (Total) <= 0.18 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	PM-2.5 (Total) <= 0.18 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
10	The owner or operator of a pre-2007 model year emergency generator with a displacement of < 10 liters per cylinder and a maximum engine power of equal to or more than 175 HP (>= 130 kW) must comply with the emissions standards in table 1 to NSPS IIII as follows: NOx <= 6.9 g/HP-hr, HC <= 1.0 g/HP-hr, CO <= 8.5 g/HP-hr, PM <= 0.40 g/HP-hr. (NSPS Subpart IIII) [40 CFR 60.4205(a)]	None.	Other: The owner or operator of a pre 2007 model year engine must keep documentation demonstrating compliance with the applicable emission standards, for the same model year and maximum engine power. [40 CFR 60.4211].	None.

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Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
11	After December 31, 2008, owners and operators may not install stationary CI ICE (excluding fire pump engines) that do not meet the applicable requirements for 2007 model year engines, except for engines that have been modified or reconstructed, and except for engines that were removed from one existing location and reinstalled at a new location. (NSPS Subpart IIII) [40 CFR 60.4208]	None.	None.	None.
12	The owner or operator of a pre 2007 model year engine which was manufactured after April 1, 2006 must comply with emissions standards in 40 CFR 60.4204(a) or 60.4205(a) and must demonstrate compliance by purchasing an engine certified according to 40 CFR part 89 or 40 CFR part 94, as applicable, for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's specifications. (NSPS Subpart IIII) [40 CFR 60.4211(b)(1)]	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. [40 CFR 60.4211(b)(1)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U3 Twenty Nine (29) - Diesel-Fired Emergency Generators**
Operating Scenario: **OS11 250 kW (2.41 MMBtu/hr) Disel EmGen @ B5435**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.45 lb/hr. Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 2.41 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	Generator fuel limited to diesel fuel. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	VOC (Total) <= 0.22 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	NOx (Total) <= 2.15 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	CO <= 1.93 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP <= 0.11 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	PM-10 (Total) <= 0.11 lb/hr. [N.J.A.C. 7:27-22.16(o)]	None.	None.	None.
9	PM-2.5 (Total) <= 0.11 lb/hr. Based on PM-10 emissions limit. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
10	The owner or operator of a 2007 model year and later emergency generator with a displacement of < 10 liters per cylinder and a maximum engine power >= 37 kW (HP >= 50) and no greater than 3,000HP (<= 2,237 kW) must comply with the certification emissions standards in 40 CFR 89.112 and smoke standards in 40 CFR 89.113 for the same model year and maximum engine power as follows: NMHC + NOx <= 4.0 g/kW-hr, CO <= 3.5 g/kW-hr, PM <= 0.20 g/kW-hr. (NSPS Subpart IIII) [40 CFR 60.4205(b)]	None.	Other: The owner or operator of a 2007 model year or later engine must keep manufacturer certification showing compliance with the applicable emission standards, for the same model year and maximum engine power. [40 CFR 60.4211].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
11	The owner or operator of a 2007 model year and later stationary CI internal combustion engine complying with the emission standards specified in 40 CFR 60.4204(b) or 40 CFR 60.4205(b), must comply by purchasing an engine certified to the emission standards in 40 CFR 60.4204(b) or 40 CFR 60.4205(b) as applicable, for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's emission-related specifications, except as permitted in 40 CFR 60.4211(g). (NSPS Subpart IIII) [40 CFR 60.4211(c)]	None.	Other: The owner or operator must keep documentation from the manufacturer, for the life of the equipment, that the engine is certified to meet the emission standards as applicable, for the same model year and maximum engine power. If the engine and control device is not installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions, or emission-related settings are changed in a way that is not permitted by the manufacturer, the owner or operator must demonstrate compliance as prescribed at 40 CFR 60.4211(g)(1), (2) or (3) depending on the maximum engine power. [40 CFR 60.4211(c)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U3 Twenty Nine (29) - Diesel-Fired Emergency Generators**
Operating Scenario: **OS13 180 kW (1.86 MMBtu/hr) Diesel EmGen @ B8534**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.12 lb/hr. Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 1.86 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(a)].	None.
3	Generator fuel limited to diesel fuel. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	VOC (Total) <= 0.16 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	NOx (Total) <= 1.55 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	CO <= 1.39 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP <= 0.08 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	PM-10 (Total) <= 0.08 lb/hr. [N.J.A.C. 7:27-22.16(o)]	None.	None.	None.
9	PM-2.5 (Total) <= 0.08 lb/hr. Based on PM-10 emissions limit. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
10	The owner or operator of a 2007 model year and later emergency generator with a displacement of < 10 liters per cylinder and a maximum engine power >= 37 kW (HP >= 50) and no greater than 3,000HP (<= 2,237 kW) must comply with the certification emissions standards in 40 CFR 89.112 and smoke standards in 40 CFR 89.113 for the same model year and maximum engine power as follows: NMHC + NOx <= 4.0 g/kW-hr, CO <= 3.5 g/kW-hr, PM <= 0.20 g/kW-hr. (NSPS Subpart IIII) [40 CFR 60.4205(b)]	None.	Other: The owner or operator of a 2007 model year or later engine must keep manufacturer certification showing compliance with the applicable emission standards, for the same model year and maximum engine power. [40 CFR 60.4211].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
11	The owner or operator of a 2007 model year and later stationary CI internal combustion engine complying with the emission standards specified in 40 CFR 60.4204(b) or 40 CFR 60.4205(b), must comply by purchasing an engine certified to the emission standards in 40 CFR 60.4204(b) or 40 CFR 60.4205(b) as applicable, for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's emission-related specifications, except as permitted in 40 CFR 60.4211(g). (NSPS Subpart IIII) [40 CFR 60.4211(c)]	None.	Other: The owner or operator must keep documentation from the manufacturer, for the life of the equipment, that the engine is certified to meet the emission standards as applicable, for the same model year and maximum engine power. If the engine and control device is not installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions, or emission-related settings are changed in a way that is not permitted by the manufacturer, the owner or operator must demonstrate compliance as prescribed at 40 CFR 60.4211(g)(1), (2) or (3) depending on the maximum engine power. [40 CFR 60.4211(c)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U3 Twenty Nine (29) - Diesel-Fired Emergency Generators**
Operating Scenario: **OS14 125 kW (1.36 MMBtu/hr) Diesel EmGen @ B8531**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.82 lb/hr. Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 1.36 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	Generator fuel limited to diesel fuel. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	VOC (Total) <= 0.11 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	NOx (Total) <= 1.07 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	CO <= 0.96 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP <= 0.08 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	PM-10 (Total) <= 0.08 lb/hr. [N.J.A.C. 7:27-22.16(o)]	None.	None.	None.
9	PM-2.5 (Total) <= 0.08 lb/hr. Based on PM-10 emissions limit. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
10	The owner or operator of a 2007 model year and later emergency generator with a displacement of < 10 liters per cylinder and a maximum engine power >= 37 kW (HP >= 50) and no greater than 3,000HP (<= 2,237 kW) must comply with the certification emissions standards in 40 CFR 89.112 and smoke standards in 40 CFR 89.113 for the same model year and maximum engine power as follows: NMHC + NOx <= 4.0 g/kW-hr, CO <= 5.0 g/kW-hr, PM <= 0.30 g/kW-hr. (NSPS Subpart IIII) [40 CFR 60.4205(b)]	None.	Other: The owner or operator of a 2007 model year or later engine must keep manufacturer certification showing compliance with the applicable emission standards, for the same model year and maximum engine power. [40 CFR 60.4211].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
11	The owner or operator of a 2007 model year and later stationary CI internal combustion engine complying with the emission standards specified in 40 CFR 60.4204(b) or 40 CFR 60.4205(b), must comply by purchasing an engine certified to the emission standards in 40 CFR 60.4204(b) or 40 CFR 60.4205(b) as applicable, for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's emission-related specifications, except as permitted in 40 CFR 60.4211(g). (NSPS Subpart IIII) [40 CFR 60.4211(c)]	None.	Other: The owner or operator must keep documentation from the manufacturer, for the life of the equipment, that the engine is certified to meet the emission standards as applicable, for the same model year and maximum engine power. If the engine and control device is not installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions, or emission-related settings are changed in a way that is not permitted by the manufacturer, the owner or operator must demonstrate compliance as prescribed at 40 CFR 60.4211(g)(1), (2) or (3) depending on the maximum engine power. [40 CFR 60.4211(c)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U3 Twenty Nine (29) - Diesel-Fired Emergency Generators**
Operating Scenario: **OS15 250 kW (2.63 MMBtu/hr) Diesel EmGen @ B5632**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.58 lb/hr. Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 2.63 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	Generator fuel limited to diesel fuel. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	VOC (Total) <= 0.22 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	NOx (Total) <= 2.15 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	CO <= 1.93 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP <= 0.11 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	PM-10 (Total) <= 0.11 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	PM-2.5 (Total) <= 0.11 lb/hr. Based on PM-10 emissions limit. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
10	The owner or operator of a 2007 model year and later emergency generator with a displacement of < 10 liters per cylinder and a maximum engine power >= 37 kW (HP >= 50) and no greater than 3,000HP (<= 2,237 kW) must comply with the certification emissions standards in 40 CFR 89.112 and smoke standards in 40 CFR 89.113 for the same model year and maximum engine power as follows: NMHC + NOx <= 4.0 g/kW-hr, CO <= 3.5 g/kW-hr, PM <= 0.20 g/kW-hr. (NSPS Subpart IIII) [40 CFR 60.4205(b)]	None.	Other: The owner or operator of a 2007 model year or later engine must keep manufacturer certification showing compliance with the applicable emission standards, for the same model year and maximum engine power. [40 CFR 60.4211].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
11	The owner or operator of a 2007 model year and later stationary CI internal combustion engine complying with the emission standards specified in 40 CFR 60.4204(b) or 40 CFR 60.4205(b), must comply by purchasing an engine certified to the emission standards in 40 CFR 60.4204(b) or 40 CFR 60.4205(b) as applicable, for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's emission-related specifications, except as permitted in 40 CFR 60.4211(g). (NSPS Subpart IIII) [40 CFR 60.4211(c)]	None.	Other: The owner or operator must keep documentation from the manufacturer, for the life of the equipment, that the engine is certified to meet the emission standards as applicable, for the same model year and maximum engine power. If the engine and control device is not installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions, or emission-related settings are changed in a way that is not permitted by the manufacturer, the owner or operator must demonstrate compliance as prescribed at 40 CFR 60.4211(g)(1), (2) or (3) depending on the maximum engine power. [40 CFR 60.4211(c)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U3 Twenty Nine (29) - Diesel-Fired Emergency Generators**
Operating Scenario: **OS16 250 kW (2.62 MMBtu/hr) Diesel EmGen @ B5523**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.57 lb/hr. Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 2.62 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	Generator fuel limited to diesel fuel. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	VOC (Total) <= 0.942 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	NOx (Total) <= 11.5 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	CO <= 2.49 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP <= 0.811 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	PM-10 (Total) <= 0.811 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	PM-2.5 (Total) <= 0.811 lb/hr. Based on PM-10 emissions limit. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U3 Twenty Nine (29) - Diesel-Fired Emergency Generators**
Operating Scenario: **OS17 400 kW (4.37 MMBtu/hr) Diesel EmGen @ B5951**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 2.62 lb/hr. Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 4.37 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	Generator fuel limited to diesel fuel. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	VOC (Total) <= 0.35 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	NOx (Total) <= 3.44 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	CO <= 3.09 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP <= 0.182 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	PM-10 (Total) <= 0.182 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	PM-2.5 (Total) <= 0.182 lb/hr. Based on PM-10 emissions limit. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
10	The owner or operator of a 2007 model year and later emergency generator with a displacement of < 10 liters per cylinder and a maximum engine power >= 37 kW (HP >= 50) and no greater than 3,000HP (<= 2,237 kW) must comply with the certification emissions standards in 40 CFR 89.112 and smoke standards in 40 CFR 89.113 for the same model year and maximum engine power as follows: NMHC + NOx <= 4.0 g/kW-hr, CO <= 3.5 g/kW-hr, PM <= 0.20 g/kW-hr. (NSPS Subpart IIII) [40 CFR 60.4205(b)]	None.	Other: The owner or operator of a 2007 model year or later engine must keep manufacturer certification showing compliance with the applicable emission standards, for the same model year and maximum engine power. [40 CFR 60.4211].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
11	The owner or operator of a 2007 model year and later stationary CI internal combustion engine complying with the emission standards specified in 40 CFR 60.4204(b) or 40 CFR 60.4205(b), must comply by purchasing an engine certified to the emission standards in 40 CFR 60.4204(b) or 40 CFR 60.4205(b) as applicable, for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's emission-related specifications, except as permitted in 40 CFR 60.4211(g). (NSPS Subpart IIII) [40 CFR 60.4211(c)]	None.	Other: The owner or operator must keep documentation from the manufacturer, for the life of the equipment, that the engine is certified to meet the emission standards as applicable, for the same model year and maximum engine power. If the engine and control device is not installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions, or emission-related settings are changed in a way that is not permitted by the manufacturer, the owner or operator must demonstrate compliance as prescribed at 40 CFR 60.4211(g)(1), (2) or (3) depending on the maximum engine power. [40 CFR 60.4211(c)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U3 Twenty Nine (29) - Diesel-Fired Emergency Generators**
Operating Scenario: **OS18 160 kW (1.64 MMBtu/hr) Diesel EmGen @ B5417**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.98 lb/hr. Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 1.64 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	Generator fuel limited to diesel fuel. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	VOC (Total) <= 0.14 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	NOx (Total) <= 1.38 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	CO <= 1.23 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP <= 0.07 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	PM-10 (Total) <= 0.07 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	PM-2.5 (Total) <= 0.07 lb/hr. Based on PM-10 emissions limit. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
10	The owner or operator of a 2007 model year and later emergency generator with a displacement of < 10 liters per cylinder and a maximum engine power >= 37 kW (HP >= 50) and no greater than 3,000HP (<= 2,237 kW) must comply with the certification emissions standards in 40 CFR 89.112 and smoke standards in 40 CFR 89.113 for the same model year and maximum engine power as follows: NMHC + NOx <= 4.0 g/kW-hr, CO <= 3.5 g/kW-hr, PM <= 0.20 g/kW-hr. (NSPS Subpart IIII) [40 CFR 60.4205(b)]	None.	Other: The owner or operator of a 2007 model year or later engine must keep manufacturer certification showing compliance with the applicable emission standards, for the same model year and maximum engine power. [40 CFR 60.4211].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
11	The owner or operator of a 2007 model year and later stationary CI internal combustion engine complying with the emission standards specified in 40 CFR 60.4204(b) or 40 CFR 60.4205(b), must comply by purchasing an engine certified to the emission standards in 40 CFR 60.4204(b) or 40 CFR 60.4205(b) as applicable, for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's emission-related specifications, except as permitted in 40 CFR 60.4211(g). (NSPS Subpart IIII) [40 CFR 60.4211(c)]	None.	Other: The owner or operator must keep documentation from the manufacturer, for the life of the equipment, that the engine is certified to meet the emission standards as applicable, for the same model year and maximum engine power. If the engine and control device is not installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions, or emission-related settings are changed in a way that is not permitted by the manufacturer, the owner or operator must demonstrate compliance as prescribed at 40 CFR 60.4211(g)(1), (2) or (3) depending on the maximum engine power. [40 CFR 60.4211(c)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U3 Twenty Nine (29) - Diesel-Fired Emergency Generators**
Operating Scenario: **OS19 400 kW (3.62 MMBtu/hr) Diesel EmGen @ B5631**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 2.18 lb/hr. Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 3.62 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	Generator fuel limited to diesel fuel. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	VOC (Total) <= 0.35 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	NOx (Total) <= 3.44 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	CO <= 3.09 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP <= 0.18 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	PM-10 (Total) <= 0.18 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	PM-2.5 (Total) <= 0.18 lb/hr. Based on PM-10 emissions limit. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
10	The owner or operator of a 2007 model year and later emergency generator with a displacement of < 10 liters per cylinder and a maximum engine power >= 37 kW (HP >= 50) and no greater than 3,000HP (<= 2,237 kW) must comply with the certification emissions standards in 40 CFR 89.112 and smoke standards in 40 CFR 89.113 for the same model year and maximum engine power as follows: NMHC + NOx <= 4.0 g/kW-hr, CO <= 3.5 g/kW-hr, PM <= 0.20 g/kW-hr. (NSPS Subpart IIII) [40 CFR 60.4205(b)]	None.	Other: The owner or operator of a 2007 model year or later engine must keep manufacturer certification showing compliance with the applicable emission standards, for the same model year and maximum engine power. [40 CFR 60.4211].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
11	The owner or operator of a 2007 model year and later stationary CI internal combustion engine complying with the emission standards specified in 40 CFR 60.4204(b) or 40 CFR 60.4205(b), must comply by purchasing an engine certified to the emission standards in 40 CFR 60.4204(b) or 40 CFR 60.4205(b) as applicable, for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's emission-related specifications, except as permitted in 40 CFR 60.4211(g). (NSPS Subpart IIII) [40 CFR 60.4211(c)]	None.	Other: The owner or operator must keep documentation from the manufacturer, for the life of the equipment, that the engine is certified to meet the emission standards as applicable, for the same model year and maximum engine power. If the engine and control device is not installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions, or emission-related settings are changed in a way that is not permitted by the manufacturer, the owner or operator must demonstrate compliance as prescribed at 40 CFR 60.4211(g)(1), (2) or (3) depending on the maximum engine power. [40 CFR 60.4211(c)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U3 Twenty Nine (29) - Diesel-Fired Emergency Generators**
Operating Scenario: **OS20 1500 kW (14.988 MMBtu/hr) Diesel EmGen @ B4403**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 9 lb/hr. Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 14.988 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	Generator fuel limited to diesel fuel. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	VOC (Total) <= 1.98 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	NOx (Total) <= 20.8 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	CO <= 11.6 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP <= 0.66 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	PM-10 (Total) <= 0.66 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	PM-2.5 (Total) <= 0.66 lb/hr. Based on PM-10 emissions limit. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
10	The owner or operator of a 2007 model year and later emergency generator with a displacement of < 10 liters per cylinder and a maximum engine power >= 37 kW (HP >= 50) and no greater than 3,000HP (<= 2,237 kW) must comply with the certification emissions standards in 40 CFR 89.112 and smoke standards in 40 CFR 89.113 for the same model year and maximum engine power as follows: NMHC + NOx <= 6.4 g/kW-hr, CO <= 3.5 g/kW-hr, PM <= 0.20 g/kW-hr. (NSPS Subpart IIII) [40 CFR 60.4205(b)]	None.	Other: The owner or operator of a 2007 model year or later engine must keep manufacturer certification showing compliance with the applicable emission standards, for the same model year and maximum engine power. [40 CFR 60.4211].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
11	The owner or operator of a 2007 model year and later stationary CI internal combustion engine complying with the emission standards specified in 40 CFR 60.4204(b) or 40 CFR 60.4205(b), must comply by purchasing an engine certified to the emission standards in 40 CFR 60.4204(b) or 40 CFR 60.4205(b) as applicable, for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's emission-related specifications, except as permitted in 40 CFR 60.4211(g). (NSPS Subpart IIII) [40 CFR 60.4211(c)]	None.	Other: The owner or operator must keep documentation from the manufacturer, for the life of the equipment, that the engine is certified to meet the emission standards as applicable, for the same model year and maximum engine power. If the engine and control device is not installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions, or emission-related settings are changed in a way that is not permitted by the manufacturer, the owner or operator must demonstrate compliance as prescribed at 40 CFR 60.4211(g)(1), (2) or (3) depending on the maximum engine power. [40 CFR 60.4211(c)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U3 Twenty Nine (29) - Diesel-Fired Emergency Generators**
Operating Scenario: **OS21 100 kW (1.12 MMBtu/hr) Diesel EmGen @ B9013**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.67 lb/hr. Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 1.12 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	Generator fuel limited to diesel fuel. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	VOC (Total) <= 0.09 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	NOx (Total) <= 0.86 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	CO <= 1.1 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP <= 0.07 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	PM-10 (Total) <= 0.07 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	PM-2.5 (Total) <= 0.07 lb/hr. Based on PM-10 emissions limit. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
10	The owner or operator of a 2007 model year and later emergency generator with a displacement of < 10 liters per cylinder and a maximum engine power >= 37 kW (HP >= 50) and no greater than 3,000HP (<= 2,237 kW) must comply with the certification emissions standards in 40 CFR 89.112 and smoke standards in 40 CFR 89.113 for the same model year and maximum engine power as follows: NMHC + NOx <= 4.0 g/kW-hr, CO <= 5.0 g/kW-hr, PM <= 0.30 g/kW-hr. (NSPS Subpart IIII) [40 CFR 60.4205(b)]	None.	Other: The owner or operator of a 2007 model year or later engine must keep manufacturer certification showing compliance with the applicable emission standards, for the same model year and maximum engine power. [40 CFR 60.4211].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
11	The owner or operator of a 2007 model year and later stationary CI internal combustion engine complying with the emission standards specified in 40 CFR 60.4204(b) or 40 CFR 60.4205(b), must comply by purchasing an engine certified to the emission standards in 40 CFR 60.4204(b) or 40 CFR 60.4205(b) as applicable, for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's emission-related specifications, except as permitted in 40 CFR 60.4211(g). (NSPS Subpart IIII) [40 CFR 60.4211(c)]	None.	Other: The owner or operator must keep documentation from the manufacturer, for the life of the equipment, that the engine is certified to meet the emission standards as applicable, for the same model year and maximum engine power. If the engine and control device is not installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions, or emission-related settings are changed in a way that is not permitted by the manufacturer, the owner or operator must demonstrate compliance as prescribed at 40 CFR 60.4211(g)(1), (2) or (3) depending on the maximum engine power. [40 CFR 60.4211(c)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U3 Twenty Nine (29) - Diesel-Fired Emergency Generators**
Operating Scenario: **OS23 100 kW (1.15 MMBtu/hr) Diesel EmGen @ B5860**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.69 lb/hr. Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 1.15 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	Generator fuel limited to diesel fuel. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	VOC (Total) <= 0.09 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	NOx (Total) <= 0.86 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	CO <= 1.1 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP <= 0.07 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	PM-10 (Total) <= 0.07 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	PM-2.5 (Total) <= 0.07 lb/hr. Based on PM-10 emissions limit. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
10	The owner or operator of a 2007 model year and later emergency generator with a displacement of < 10 liters per cylinder and a maximum engine power >= 37 kW (HP >= 50) and no greater than 3,000HP (<= 2,237 kW) must comply with the certification emissions standards in 40 CFR 89.112 and smoke standards in 40 CFR 89.113 for the same model year and maximum engine power as follows: NMHC + NOx <= 4.0 g/kW-hr, CO <= 5.0 g/kW-hr, PM <= 0.30 g/kW-hr, weighted average emissions as defined in 40 CFR 89.404. (NSPS Subpart IIII) [40 CFR 60.4205(b)]	None.	Other: The owner or operator of a 2007 model year or later engine must keep manufacturer certification showing compliance with the applicable emission standards, for the same model year and maximum engine power. [40 CFR 60.4211].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
11	The owner or operator of a 2007 model year and later stationary CI internal combustion engine complying with the emission standards specified in 40 CFR 60.4204(b) or 40 CFR 60.4205(b), must comply by purchasing an engine certified to the emission standards in 40 CFR 60.4204(b) or 40 CFR 60.4205(b) as applicable, for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's emission-related specifications, except as permitted in 40 CFR 60.4211(g). (NSPS Subpart IIII) [40 CFR 60.4211(c)]	None.	Other: The owner or operator must keep documentation from the manufacturer, for the life of the equipment, that the engine is certified to meet the emission standards as applicable, for the same model year and maximum engine power. If the engine and control device is not installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions, or emission-related settings are changed in a way that is not permitted by the manufacturer, the owner or operator must demonstrate compliance as prescribed at 40 CFR 60.4211(g)(1), (2) or (3) depending on the maximum engine power. [40 CFR 60.4211(c)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U3 Twenty Nine (29) - Diesel-Fired Emergency Generators**
Operating Scenario: **OS24 125 kW (1.17 MMBtu/hr) Diesel EmGen #1 @ Range 1**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.7 lb/hr. Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 1.17 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	Generator fuel limited to diesel fuel. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	VOC (Total) <= 0.42 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	NOx (Total) <= 1.1 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	CO <= 1.38 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP <= 0.08 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	PM-10 (Total) <= 0.08 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	PM-2.5 (Total) <= 0.08 lb/hr. Based on PM-10 emissions limit. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
10	The owner or operator of a 2007 model year and later emergency generator with a displacement of < 10 liters per cylinder and a maximum engine power >= 37 kW (HP >= 50) and no greater than 3,000HP (<= 2,237 kW) must comply with the certification emissions standards in 40 CFR 89.112 and smoke standards in 40 CFR 89.113 for the same model year and maximum engine power as follows: NMHC + NOx <= 4.0 g/kW-hr, CO <= 5.0 g/kW-hr, PM <= 0.30 g/kW-hr. (NSPS Subpart IIII) [40 CFR 60.4205(b)]	None.	Other: The owner or operator of a 2007 model year or later engine must keep manufacturer certification showing compliance with the applicable emission standards, for the same model year and maximum engine power. [40 CFR 60.4211].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
11	The owner or operator of a 2007 model year and later stationary CI internal combustion engine complying with the emission standards specified in 40 CFR 60.4204(b) or 40 CFR 60.4205(b), must comply by purchasing an engine certified to the emission standards in 40 CFR 60.4204(b) or 40 CFR 60.4205(b) as applicable, for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's emission-related specifications, except as permitted in 40 CFR 60.4211(g). (NSPS Subpart IIII) [40 CFR 60.4211(c)]	None.	Other: The owner or operator must keep documentation from the manufacturer, for the life of the equipment, that the engine is certified to meet the emission standards as applicable, for the same model year and maximum engine power. If the engine and control device is not installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions, or emission-related settings are changed in a way that is not permitted by the manufacturer, the owner or operator must demonstrate compliance as prescribed at 40 CFR 60.4211(g)(1), (2) or (3) depending on the maximum engine power. [40 CFR 60.4211(c)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U3 Twenty Nine (29) - Diesel-Fired Emergency Generators**
Operating Scenario: **OS25 125 kW (1.17 MMBtu/hr) Diesel EmGen #2 @ Range 1**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.71 lb/hr. Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 1.17 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	Generator fuel limited to diesel fuel. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	VOC (Total) <= 0.414 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	NOx (Total) <= 1.42 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	CO <= 1.12 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP <= 0.37 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	PM-10 (Total) <= 0.37 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	PM-2.5 (Total) <= 0.37 lb/hr. Based on PM-10 emissions limit. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
10	The owner or operator of a pre-2007 model year emergency generator with a displacement of < 10 liters per cylinder and a maximum engine power of equal to or more than 175 HP (>= 130 kW) must comply with the emissions standards in table 1 to NSPS IIII as follows: NOx <= 9.2 g/kW-hr. (NSPS Subpart IIII) [40 CFR 60.4205(a)]	None.	Other: The owner or operator of a pre 2007 model year engine must keep documentation demonstrating compliance with the applicable emission standards, for the same model year and maximum engine power. [40 CFR 60.4211].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
11	After December 31, 2008, owners and operators may not install stationary CI ICE (excluding fire pump engines) that do not meet the applicable requirements for 2007 model year engines, except for engines that have been modified or reconstructed, and except for engines that were removed from one existing location and reinstalled at a new location. (NSPS Subpart IIII) [40 CFR 60.4208]	None.	None.	None.
12	The owner or operator of a pre 2007 model year engine which was manufactured after April 1, 2006 must comply with emissions standards in 40 CFR 60.4204(a) or 60.4205(a) and must demonstrate compliance by purchasing an engine certified according to 40 CFR part 89 or 40 CFR part 94, as applicable, for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's specifications. (NSPS Subpart IIII) [40 CFR 60.4211(b)(1)]	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. [40 CFR 60.4211(b)(1)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U3 Twenty Nine (29) - Diesel-Fired Emergency Generators**
Operating Scenario: **OS26 100 kW (1.19 MMBtu/hr) Diesel EmGen @ Range 1**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.71 lb/hr. Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 1.19 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	Generator fuel limited to diesel fuel. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	VOC (Total) <= 0.43 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	NOx (Total) <= 5.25 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	CO <= 1.13 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP <= 0.374 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	PM-10 (Total) <= 0.374 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	PM-2.5 (Total) <= 0.374 lb/hr. Based on PM-10 emissions limit. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U3 Twenty Nine (29) - Diesel-Fired Emergency Generators**
Operating Scenario: **OS30 180 kW (1.89 MMBtu/hr) Diesel EmGen @ Well #4, OS31 180 kW (1.89 MMBtu/hr) Diesel EmGen @ B4295**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.13 lb/hr Particulate emission limit from the combustion of fuel based on the rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 1.89 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate, maximum rated power output, model year and displacement.[N.J.A.C. 7:27-22.16(o)].	None.
3	Generator fuel limited to diesel fuel. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	VOC (Total) <= 0.16 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	NOx (Total) <= 1.55 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	CO <= 1.39 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP <= 0.08 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	PM-10 (Total) <= 0.08 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	PM-2.5 (Total) <= 0.08 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
10	The owner or operator of a 2007 model year and later emergency generator with a displacement of < 10 liters per cylinder and a maximum engine power >= 37 kW (HP >= 50) and no greater than 3,000HP (<= 2,237 kW) must comply with the certification emissions standards in 40 CFR 89.112 and smoke standards in 40 CFR 89.113 for the same model year and maximum engine power as follows: NMHC + NOx <= 4.0 g/kW-hr, CO <= 3.5 g/kW-hr, PM <= 0.20 g/kW-hr. (NSPS Subpart IIII) [40 CFR 60.4205(b)]	None.	Other: The owner or operator of a 2007 model year or later engine must keep manufacturer certification showing compliance with the applicable emission standards, for the same model year and maximum engine power. [40 CFR 60.4211].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
11	The owner or operator of a 2007 model year and later stationary CI internal combustion engine complying with the emission standards specified in 40 CFR 60.4204(b) or 40 CFR 60.4205(b), must comply by purchasing an engine certified to the emission standards in 40 CFR 60.4204(b) or 40 CFR 60.4205(b) as applicable, for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's emission-related specifications, except as permitted in 40 CFR 60.4211(g). (NSPS Subpart IIII) [40 CFR 60.4211(c)]	None.	Other: The owner or operator must keep documentation from the manufacturer, for the life of the equipment, that the engine is certified to meet the emission standards as applicable, for the same model year and maximum engine power. If the engine and control device is not installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions, or emission-related settings are changed in a way that is not permitted by the manufacturer, the owner or operator must demonstrate compliance as prescribed at 40 CFR 60.4211(g)(1), (2) or (3) depending on the maximum engine power. [40 CFR 60.4211(c)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U3 Twenty Nine (29) - Diesel-Fired Emergency Generators**
Operating Scenario: **OS32 154 kW (1.65 MMBtu/hr) Diesel EmGen @ B9691**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.99 lb/hr Particulate emission limit from the combustion of fuel based on the rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 1.65 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate, maximum rated power output, model year and displacement.[N.J.A.C. 7:27-22.16(o)].	None.
3	Generator fuel limited to diesel fuel. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	VOC (Total) <= 0.14 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	NOx (Total) <= 1.32 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	CO <= 1.19 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP <= 0.07 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	PM-10 (Total) <= 0.07 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	PM-2.5 (Total) <= 0.07 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
10	The owner or operator of a 2007 model year and later emergency generator with a displacement of < 10 liters per cylinder and a maximum engine power >= 37 kW (HP >= 50) and no greater than 3,000HP (<= 2,237 kW) must comply with the certification emissions standards in 40 CFR 89.112 and smoke standards in 40 CFR 89.113 for the same model year and maximum engine power as follows: NMHC + NOx <= 4.0 g/kW-hr, CO <= 3.5 g/kW-hr, PM <= 0.20 g/kW-hr. (NSPS Subpart IIII) [40 CFR 60.4205(b)]	None.	Other: The owner or operator of a 2007 model year or later engine must keep manufacturer certification showing compliance with the applicable emission standards, for the same model year and maximum engine power. [40 CFR 60.4211].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
11	The owner or operator of a 2007 model year and later stationary CI internal combustion engine complying with the emission standards specified in 40 CFR 60.4204(b) or 40 CFR 60.4205(b), must comply by purchasing an engine certified to the emission standards in 40 CFR 60.4204(b) or 40 CFR 60.4205(b) as applicable, for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's emission-related specifications, except as permitted in 40 CFR 60.4211(g). (NSPS Subpart IIII) [40 CFR 60.4211(c)]	None.	Other: The owner or operator must keep documentation from the manufacturer, for the life of the equipment, that the engine is certified to meet the emission standards as applicable, for the same model year and maximum engine power. If the engine and control device is not installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions, or emission-related settings are changed in a way that is not permitted by the manufacturer, the owner or operator must demonstrate compliance as prescribed at 40 CFR 60.4211(g)(1), (2) or (3) depending on the maximum engine power. [40 CFR 60.4211(c)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U3 Twenty Nine (29) - Diesel-Fired Emergency Generators**
Operating Scenario: **OS33 1.66 MMBTU/hr (HHV) Emerg. Gen. (177 kW) Diesel fuel, 100 hrs/yr (BOP190003)**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.996 lb/hr Particulate emission limit from the combustion of fuel based on the rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 1.66 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	Generator fuel limited to No. 2 fuel oil, diesel fuel or kerosene. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	VOC (Total) <= 0.16 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	NOx (Total) <= 1.52 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	CO <= 1.37 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP <= 0.08 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	PM-10 (Total) <= 0.08 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	PM-2.5 (Total) <= 0.08 lb/hr. Based on PM-10 emissions limit. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
10	The owner or operator of a 2007 model year and later emergency generator with a displacement of < 10 liters per cylinder and a maximum engine power >= 37 kW (HP >= 50) and no greater than 3,000HP (<= 2,237 kW) must comply with the certification emissions standards in 40 CFR 89.112 and smoke standards in 40 CFR 89.113 for the same model year and maximum engine power as follows: NMHC + NOx <= 4.0 g/kW-hr, CO <= 3.5 g/kW-hr, PM <= 0.20 g/kW-hr. (NSPS Subpart IIII) [40 CFR 60.4205(b)]	None.	Other: The owner or operator of a 2007 model year or later engine must keep manufacturer certification showing compliance with the applicable emission standards, for the same model year and maximum engine power. [40 CFR 60.4211].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
11	The owner or operator of a 2007 model year and later stationary CI internal combustion engine complying with the emission standards specified in 40 CFR 60.4204(b) or 40 CFR 60.4205(b), must comply by purchasing an engine certified to the emission standards in 40 CFR 60.4204(b) or 40 CFR 60.4205(b) as applicable, for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's emission-related specifications, except as permitted in 40 CFR 60.4211(g). (NSPS Subpart IIII) [40 CFR 60.4211(c)]	None.	Other: The owner or operator must keep documentation from the manufacturer, for the life of the equipment, that the engine is certified to meet the emission standards as applicable, for the same model year and maximum engine power. If the engine and control device is not installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions, or emission-related settings are changed in a way that is not permitted by the manufacturer, the owner or operator must demonstrate compliance as prescribed at 40 CFR 60.4211(g)(1), (2) or (3) depending on the maximum engine power. [40 CFR 60.4211(c)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U3 Twenty Nine (29) - Diesel-Fired Emergency Generators**
Operating Scenario: **OS34 1.60 MMBTU/hr (HHV) Emerg. Gen. (177 kW) Diesel fuel, 100 hrs/yr (BOP210001)**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 2.82 lb/hr Particulate emission limit from the combustion of fuel based on the rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 4.7 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	Generator fuel limited to No. 2 fuel oil, diesel fuel or kerosene. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	VOC (Total) <= 0.21 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	NOx (Total) <= 2.04 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	CO <= 1.83 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP <= 0.1 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	PM-10 (Total) <= 0.1 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	PM-2.5 (Total) <= 0.1 lb/hr. Based on PM-10 emissions limit. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
10	The owner or operator of a 2007 model year and later emergency generator with a displacement of < 10 liters per cylinder and a maximum engine power >= 37 kW (HP >= 50) and no greater than 3,000HP (<= 2,237 kW) must comply with the certification emissions standards in 40 CFR 89.112 and smoke standards in 40 CFR 89.113 for the same model year and maximum engine power as follows: NMHC + NOx <= 4.0 g/kW-hr, CO <= 3.5 g/kW-hr, PM <= 0.20 g/kW-hr. (NSPS Subpart IIII) [40 CFR 60.4205(b)]	None.	Other: The owner or operator of a 2007 model year or later engine must keep manufacturer certification showing compliance with the applicable emission standards, for the same model year and maximum engine power. [40 CFR 60.4211].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
11	The owner or operator of a 2007 model year and later stationary CI internal combustion engine complying with the emission standards specified in 40 CFR 60.4204(b) or 40 CFR 60.4205(b), must comply by purchasing an engine certified to the emission standards in 40 CFR 60.4204(b) or 40 CFR 60.4205(b) as applicable, for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's emission-related specifications, except as permitted in 40 CFR 60.4211(g). (NSPS Subpart IIII) [40 CFR 60.4211(c)]	None.	Other: The owner or operator must keep documentation from the manufacturer, for the life of the equipment, that the engine is certified to meet the emission standards as applicable, for the same model year and maximum engine power. If the engine and control device is not installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions, or emission-related settings are changed in a way that is not permitted by the manufacturer, the owner or operator must demonstrate compliance as prescribed at 40 CFR 60.4211(g)(1), (2) or (3) depending on the maximum engine power. [40 CFR 60.4211(c)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U3 Twenty Nine (29) - Diesel-Fired Emergency Generators**
Operating Scenario: **OS35 (EG-003-2) Emerg. Gen., 148 kW (BOP210002)**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.82 lb/hr Particulate emission limit from the combustion of fuel based on the rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 1.38 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	Generator fuel limited to No. 2 fuel oil, diesel fuel or kerosene. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	VOC (Total) <= 0.131 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	NOx (Total) <= 1.18 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	CO <= 0.306 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP <= 0.0524 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	PM-10 (Total) <= 0.0524 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	PM-2.5 (Total) <= 0.0524 lb/hr. Based on PM-10 emissions limit. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
10	The owner or operator of a 2007 model year and later emergency generator with a displacement of < 10 liters per cylinder and a maximum engine power >= 37 kW (HP >= 50) and no greater than 3,000HP (<= 2,237 kW) must comply with the certification emissions standards in 40 CFR 89.112 and smoke standards in 40 CFR 89.113 for the same model year and maximum engine power as follows: NMHC + NOx <= 4 g/kW-hr, CO <= 3.5 g/kW-hr, PM <= 0.2 g/kW-hr, weighted average emissions as defined in 40 CFR 89.404. (NSPS Subpart IIII) [40 CFR 60.4205(b)]	None.	Other: The owner or operator of a 2007 model year or later engine must keep manufacturer certification showing compliance with the applicable emission standards, for the same model year and maximum engine power. [40 CFR 60.4211].	None.
11	The owner or operator of a 2007 model year and later stationary CI internal combustion engine complying with the emission standards specified in 40 CFR 60.4204(b) or 40 CFR 60.4205(b), must comply by purchasing an engine certified to the emission standards in 40 CFR 60.4204(b) or 40 CFR 60.4205(b) as applicable, for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's emission-related specifications, except as permitted in 40 CFR 60.4211(g). (NSPS Subpart IIII) [40 CFR 60.4211(c)]	None.	Other: The owner or operator must keep documentation from the manufacturer, for the life of the equipment, that the engine is certified to meet the emission standards as applicable, for the same model year and maximum engine power. If the engine and control device is not installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions, or emission-related settings are changed in a way that is not permitted by the manufacturer, the owner or operator must demonstrate compliance as prescribed at 40 CFR 60.4211(g)(1), (2) or (3) depending on the maximum engine power. [40 CFR 60.4211(c)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U3 Twenty Nine (29) - Diesel-Fired Emergency Generators**
Operating Scenario: **OS36 (EG-003-2) Diesel Emerg. Gen., 285 kW, 4.70 MMBTU/hr (BOP210004)**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.96 lb/hr Particulate emission limit from the combustion of fuel based on the rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 1.6 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	Generator fuel limited to No. 2 fuel oil, diesel fuel or kerosene. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	VOC (Total) <= 0.26 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	NOx (Total) <= 2.48 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	CO <= 2.23 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP <= 0.13 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	PM-10 (Total) <= 0.13 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	PM-2.5 (Total) <= 0.13 lb/hr. Based on PM-10 emissions limit. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
10	The owner or operator of a 2007 model year and later emergency generator with a displacement of < 10 liters per cylinder and a maximum engine power >= 37 kW (HP >= 50) and no greater than 3,000HP (<= 2,237 kW) must comply with the certification emissions standards in 40 CFR 89.112 and smoke standards in 40 CFR 89.113 for the same model year and maximum engine power as follows: NMHC + NOx <= 4.0 g/kW-hr, CO <= 3.5 g/kW-hr, PM <= 0.20 g/kW-hr. (NSPS Subpart IIII) [40 CFR 60.4205(b)]	None.	Other: The owner or operator of a 2007 model year or later engine must keep manufacturer certification showing compliance with the applicable emission standards, for the same model year and maximum engine power. [40 CFR 60.4211].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
11	The owner or operator of a 2007 model year and later stationary CI internal combustion engine complying with the emission standards specified in 40 CFR 60.4204(b) or 40 CFR 60.4205(b), must comply by purchasing an engine certified to the emission standards in 40 CFR 60.4204(b) or 40 CFR 60.4205(b) as applicable, for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's emission-related specifications, except as permitted in 40 CFR 60.4211(g). (NSPS Subpart IIII) [40 CFR 60.4211(c)]	None.	Other: The owner or operator must keep documentation from the manufacturer, for the life of the equipment, that the engine is certified to meet the emission standards as applicable, for the same model year and maximum engine power. If the engine and control device is not installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions, or emission-related settings are changed in a way that is not permitted by the manufacturer, the owner or operator must demonstrate compliance as prescribed at 40 CFR 60.4211(g)(1), (2) or (3) depending on the maximum engine power. [40 CFR 60.4211(c)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U4 Transfer Operations - Six (6) Gasoline Underground Storage Tanks (USTs) and one (1) Diesel UST**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Summary of Applicable Federal Regulations: 40 CFR 63 Subpart A 40 CFR 63 Subpart CCCCCC [40 CFR Federal Rules Summary]	None.	None.	None.
2	N.J.A.C. 7:27-16.3 gasoline transfer operation requirements are applicable to U4:OS1 (E44), U4:OS2 (E45), U4:OS3 (E46), U4:OS4 (E47), U4:OS5 (E48), U4:OS7 (E135). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	Tank content is limited to gasoline. [N.J.A.C. 7:27-22.16(e)]	Other: invoices/bills of lading per delivery.[N.J.A.C. 7:27-22.16(a)].	Recordkeeping by invoices / bills of lading per delivery. [N.J.A.C. 7:27-22.19(a)]	None.
4	VOC (Total) <= 9.12 tons/yr. Annual emission limit based on the maximum permitted throughput limit of each tank. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	The transfer of gasoline into a receiving vessel 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.
6	The transfer of gasoline from any delivery vessel into any stationary storage tank shall only occur if the storage tank meets the requirements of N.J.A.C. 7:27-16.2. [N.J.A.C. 7:27-16.3(d)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	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.
8	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.
9	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.
10	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.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
11	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.
12	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.
13	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.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
14	The permittee shall perform tests in accordance with Table 3A of N.J.A.C. 7:27-16 to demonstrate that the facility's vapor recovery systems or equipment are performing properly. At least 14 days prior to performing any tests, the permittee shall notify the Department by e-mail to 14dayUSTnotice@dep.nj.gov and include the name, address, and registration number of the facility, name and contact information for the permittee, the name and contact information of the business conducting the testing, and the date on which the testing is scheduled to begin. [N.J.A.C. 7:27-16.3(j)]	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: https://www.arb.ca.gov/vapor/vapor.htm. 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: https://www.arb.ca.gov/vapor/vapor.htm. [N.J.A.C. 7:27-16.3(j)].	Other: The permittee shall maintain the following records at the facility and have it accessible to the Department upon request: i. Documentation of the performance of each test required which must include date of the test, the time the test was conducted, the name of the testing company, the test method; and ii. Record of each test results of each test performed. On the day of the test, any vapor recovery system corrective action, repairs, or equipment replacement shall be recorded with the test results. [N.J.A.C. 7:27-16.3(t)2] &[N.J.A.C. 7:27-16.3(j)4].	Repair equipment: Upon occurrence of event. Upon failure of any test the permittee shall: i. Notify the Department in writing within 72 hours of the failure. Such notification shall be submitted to the Department by email at 14dayUSTnotice@dep.nj.gov and include in the email, the name, address, and registration number of the facility, name and contact information for the owner and operator, the name and contact information of the business conducting the testing, the date the testing was conducted, and the results of the testing using the forms in the applicable CARB method. ii Have the system repaired and retested within 14 days of failure of the test. Upon failure of the retest, the permittee shall notify the Department in writing within 72 hours of the failure. Such notification shall be submitted by email at 14dayUSTnotice@dep.nj.gov including in the email the same information requested above. The system shall be repaired and retested in accordance with a compliance plan approved by the Department. [N.J.A.C. 7:27-16.3(j)]
15	Any delivery vessel except railroad tank cars or marine tank vessels with a maximum capacity of 2,000 gallons or greater shall have a certification affixed to the vessel in a prominent location which indicates the identification number of the vessel and the date the vessel last passed the pressure and vacuum tests. [N.J.A.C. 7:27-16.3(k)3]	None.	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.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
16	The permittee shall not conduct the transfer of gasoline into delivery vessels which are under a pressure in excess of 18 inches of water, or from delivery vessels under a vacuum in excess of 6 inches of water. [N.J.A.C. 7:27-16.3(l)]	None.	None.	None.
17	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.
18	The permittee shall not transfer gasoline if the delivery vessel being loaded or unloaded, any control apparatus or other equipment serving the transfer operation has a leak that results in a concentration of VOC greater than or equal to 100% LEL of propane when measured at a distance of 1.0 inch from the location of the leak. [N.J.A.C. 7:27-16.3(p)1i]	None.	None.	None.
19	The permittee shall not transfer gasoline if the delivery vessel being loaded or unloaded, any control apparatus, or other equipment serving the transfer operation has a liquid leak. [N.J.A.C. 7:27-16.3(p)1ii]	None.	None.	None.
20	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.
21	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.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
22	All hoses, piping, connections, fittings and manholes serving the vapor control system shall be vapor-tight and free of liquid leaks, except when gauging or sampling is being performed; The vapor control system, including any component thereof, shall be maintained in proper operating condition and kept free of defects that could impair the effectiveness of the system; The vapor control system shall be 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 The vapor control system shall be operated properly whenever gasoline is stored, transferred, and/or dispensed. [N.J.A.C. 7:27-16.3(r)]	None.	None.	None.
23	The permittee shall maintain a record of the monthly throughput of gasoline. [N.J.A.C. 7:27-16.3(t)1]	None.	None.	None.
24	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.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
25	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.
26	The owner or operator of an affected source shall notify the Administrator that the source becomes subject to a relevant standard. The notification shall include the information as specified in 40 CFR 63.9(b)(2). [40 CFR 63.9(b)(2)]	None.	Recordkeeping by other recordkeeping method (provide description) upon occurrence of event. Notification records shall be maintained and recorded in a form suitable and readily available for expeditious inspection and review for at least 5 years following the date of each record. At minimum, the most recent two years of data shall be retained on site. The remaining 3 years of data may be retained off site. Such files may be maintained on microfilm, on a computer, on a computer floppy disks, on magnetic tape disks, or on microfiche. [40 CFR 63.10(b)(1)]	Submit notification: As per the approved schedule. Within 120 calendar days after the source becomes subject to the relevant standard, if initial startup of the affected source is before the effective date of the standard. [40 CFR 63.9(b)(2)]
27	The owner or operator of a new or reconstructed major affected source must provide a notification of intention to construct a new major-emitting affected source, or reconstruct a major source that becomes a major- emitting affected source, with the application for approval of construction or reconstruction as specified in 40 CFR 63.5(d)(1)(i). [40 CFR 63.9(b)(4)]	None.	Recordkeeping by other recordkeeping method (provide description) once initially. Notification records shall be maintained and recorded in a form suitable and readily available for expeditious inspection and review for at least 5 years following the date of each record. At minimum, the most recent two years of data shall be retained on site. The remaining 3 years of data may be retained off site. Such files may be maintained on microfilm, on a computer, on a computer floppy disks, on magnetic tape disks, or on microfiche. [40 CFR 63.10(b)(1)]	Submit the required air permit application(s): As per the approved schedule. The application shall be submitted as soon as practicable before actual construction or reconstruction begins. [40 CFR 63.5(d)(1)(i)]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
28	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)]
29	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.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
30	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 [40 CFR 63.11116(a)]	None.	None.	None.
31	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 Specific Requirements

Emission Unit: **U4 Transfer Operations - Six (6) Gasoline Underground Storage Tanks (USTs) and one (1) Diesel UST**

Operating Scenario: **OS1 10,000-gallon UST #1, Gasoline @ B5360, OS2 10,000-gallon UST #2, Gasoline @ B5360, OS3 10,000-gallon UST #3, Gasoline @ B5360, OS4 10,000-gallon UST #4, Gasoline @ B5360, OS5 10,000-gallon UST #5, Gasoline @ B5360**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	All records required pursuant to N.J.A.C. 7:27-16 shall be maintained for a period of no less than five years and made available to representatives of the Department or the EPA upon request. [N.J.A.C. 7:27-16.22(a)]	None.	None.	None.
2	Tank content is limited to gasoline. [N.J.A.C. 7:27-22.16(e)]	Other: Monitored by invoices or bills of lading per delivery.[N.J.A.C. 7:27-22.16(o)].	Recordkeeping by invoices / bills of lading / certificate of analysis per delivery. [N.J.A.C. 7:27-22.16(o)]	None.
3	Total Material Transferred <= 5.6 MMgals per each consecutive 12 month period. Annual throughput limit for the combined total of 5 tanks at the AAFES refueling station (Emission Units U4 – OS1 (E44), OS2 (E45), OS3 (E46), OS4 (E47), & OS5 (E48)). [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by pump metering.[N.J.A.C. 7:27-22.16(o)].	Total Material Transferred: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. Keep records of the throughput for each month and each consecutive 12-month period. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U4 Transfer Operations - Six (6) Gasoline Underground Storage Tanks (USTs) and one (1) Diesel UST**
Operating Scenario: **OS6 25,000-gallon UST, Diesel Fuel Oil "VOC transfer Operations" @ B5374**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	The owner or operator shall maintain on-site, for the time period specified at N.J.A.C. 7:27-16.22(a), records that specify each VOC stored and the vapor pressure of each VOC at standard conditions. [N.J.A.C. 7:27-16.2(s)1]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system per change of material. [N.J.A.C. 7:27-22.16(o)]	None.
2	Sulfur Content in Fuel <= 15 ppmw (0.0015% by weight). [N.J.A.C. 7:27-9.2(b)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	None.
3	Fuel stored in New Jersey that met the applicable maximum sulfur content standard of Tables 1A or 1B of N.J.A.C. 7:27-9.2 at the time it was stored in New Jersey may be used in New Jersey after the operative date of the applicable standard in Table 1B. [N.J.A.C. 7:27- 9.2(b)]	None.	None.	None.
4	The transfer of any applicable VOC into a receiving vessel shall be made through a submerged fill pipe. If the receiving vessel is an underground stationary storage tank, the submerged fill pipe shall be permanently affixed to the tank. [N.J.A.C. 7:27-16.4(b)]	None.	None.	None.
5	Tank trucks containing applicable VOC with a maximum capacity of 2,000 gallons or greater shall be certified to comply with DOT regulations concerning inspection and pressure testing, codified at 49 CFR 180.407. [N.J.A.C. 7:27-16.4(i)]	None.	Other: Keep a record of DOTcertification with the delivery vessel at all times.[N.J.A.C. 7:27-16.4(i)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
6	The permittee shall not conduct the transfer of applicable VOC into delivery vessels which are under a pressure in excess of 18 inches of water, or from delivery vessels under a vacuum in excess of 6 inches of water. This provision shall not apply to the loading or unloading of applicable VOC that is typically stored or transferred at elevated pressure, or under vacuum, into or from a delivery vessel that is designed for pressure or vacuum service. [N.J.A.C. 7:27-16.4(j)]	None.	None.	None.
7	Delivery vessels having a maximum capacity of 2,000 gallons or greater shall be vapor-tight at all times while containing any applicable VOC except during periods of sample collection, emergency conditions, gauging, or venting through a vapor control system approved by the Department. [N.J.A.C. 7:27-16.4(l)]	None.	None.	None.
8	Tank content is limited to diesel fuel. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by invoices/bills of lading per delivery.[N.J.A.C. 7:27-22.16(o)].	Recordkeeping by invoices / bills of lading / certificate of analysis per delivery. [N.J.A.C. 7:27-22.16(o)]	None.
9	Total Throughput <= 1 MMgals per each consecutive 12 month period. [N.J.A.C. 7:27-22.16(e)]	Total Throughput: Monitored by review of fuel delivery records per delivery or monitored by pump metering. [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. Keep records of the throughput for each month and each consecutive 12-month period. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U4 Transfer Operations - Six (6) Gasoline Underground Storage Tanks (USTs) and one (1) Diesel UST**
Operating Scenario: **OS7 25,000-gallon UST, Gasoline @ B5374**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Total Throughput <= 1 MMgals per each consecutive 12 month period. Annual throughput limit for gasoline. [N.J.A.C. 7:27-22.16(e)]	Total Throughput: Monitored by review of fuel delivery records per delivery or monitored by pump metering. [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. Keep records of the throughput for each month and each consecutive 12-month period. [N.J.A.C. 7:27-22.16(o)]	None.
2	Tank content is limited to gasoline. [N.J.A.C. 7:27-22.16(e)]	Other: invoices/bills of lading per delivery.[N.J.A.C. 7:27-22.16(o)].	Recordkeeping by invoices / bills of lading / certificate of analysis per delivery. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U5 One (1) - Gasoline Aboveground Storage Tanks (ASTs)**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Summary of Applicable Federal Regulations: 40 CFR 63 Subpart A 40 CFR 63 Subpart CCCCCC [40 CFR Federal Rules Summary]	None.	None.	None.
2	Total Throughput <= 24,000 gallons per each consecutive 12 month period. [N.J.A.C. 7:27-22.16(a)]	Total Throughput: Monitored by review of fuel delivery records per delivery. [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. The permittee shall record the combined total throughput of all material stored in the tank for each month and each consecutive 12 month period. [N.J.A.C. 7:27-22.16(o)]	None.
3	Tank content is limited to gasoline. [N.J.A.C. 7:27-22.16(e)]	Other: Monitored by invoices/bills of lading per delivery.[N.J.A.C. 7:27-22.16(o)].	Recordkeeping by invoices / bills of lading / certificate of analysis per delivery. [N.J.A.C. 7:27-22.16(o)]	None.
4	VOC (Total) <= 0.191 tons/yr. Annual emission limit based on the maximum permitted throughput limit of each tank. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	The external surface of any stationary tank storing applicable VOC that has a maximum capacity of 2,000 gallons or greater and is exposed to the rays of the sun shall be painted and maintained the external surface of the tank white. [N.J.A.C. 7:27-16.2(b)1i]	None.	None.	None.
6	The permittee shall maintain tank under a controlled elevated temperature. [N.J.A.C. 7:27-16.2(f)1]	None.	None.	None.
7	The permittee shall equip tank with a vapor control system which reduces at least 98% the weight of VOC emissions to the outdoor atmosphere. [N.J.A.C. 7:27-16.2(f)2]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
8	The transfer of gasoline into a receiving vessel 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 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.
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.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
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.
15	The Permittee shall utilize a unihose system for dispensing gasoline. [N.J.A.C. 7:27-16.3(g)2]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
16	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.
17	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.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
18	The permittee shall perform tests in accordance with Table 3A of N.J.A.C. 7:27-16 to demonstrate that the facility's vapor recovery systems or equipment are performing properly. At least 14 days prior to performing any tests, the permittee shall notify the Department by e-mail to 14dayUSTnotice@dep.nj.gov and include the name, address, and registration number of the facility, name and contact information for the permittee, the name and contact information of the business conducting the testing, and the date on which the testing is scheduled to begin. [N.J.A.C. 7:27-16.3(j)]	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: https://www.arb.ca.gov/vapor/vapor.htm. 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: https://www.arb.ca.gov/vapor/vapor.htm. [N.J.A.C. 7:27-16.3(j)].	Other: The permittee shall maintain the following records at the facility and have it accessible to the Department upon request: i. Documentation of the performance of each test required which must include date of the test, the time the test was conducted, the name of the testing company, the test method; and ii. Record of each test results of each test performed. On the day of the test, any vapor recovery system corrective action, repairs, or equipment replacement shall be recorded with the test results. [N.J.A.C. 7:27-16.3(t)2] &[N.J.A.C. 7:27-16.3(j)4].	Repair equipment: Upon occurrence of event. Upon failure of any test the permittee shall: i. Notify the Department in writing within 72 hours of the failure. Such notification shall be submitted to the Department by email at 14dayUSTnotice@dep.nj.gov and include in the email, the name, address, and registration number of the facility, name and contact information for the owner and operator, the name and contact information of the business conducting the testing, the date the testing was conducted, and the results of the testing using the forms in the applicable CARB method. ii Have the system repaired and retested within 14 days of failure of the test. Upon failure of the retest, the permittee shall notify the Department in writing within 72 hours of the failure. Such notification shall be submitted by email at 14dayUSTnotice@dep.nj.gov including in the email the same information requested above. The system shall be repaired and retested in accordance with a compliance plan approved by the Department. [N.J.A.C. 7:27-16.3(j)]
19	Any delivery vessel except railroad tank cars or marine tank vessels with a maximum capacity of 2,000 gallons or greater shall have a certification affixed to the vessel in a prominent location which indicates the identification number of the vessel and the date the vessel last passed the pressure and vacuum tests. [N.J.A.C. 7:27-16.3(k)3]	None.	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.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
20	The permittee shall not conduct the transfer of gasoline into delivery vessels which are under a pressure in excess of 18 inches of water, or from delivery vessels under a vacuum in excess of 6 inches of water. [N.J.A.C. 7:27-16.3(l)]	None.	None.	None.
21	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.
22	The permittee shall not transfer gasoline if the delivery vessel being loaded or unloaded, any control apparatus or other equipment serving the transfer operation has a leak that results in a concentration of VOC greater than or equal to 100% LEL of propane when measured at a distance of 1.0 inch from the location of the leak. [N.J.A.C. 7:27-16.3(p)1i]	None.	None.	None.
23	The permittee shall not transfer gasoline if the delivery vessel being loaded or unloaded, any control apparatus, or other equipment serving the transfer operation has a liquid leak. [N.J.A.C. 7:27-16.3(p)1ii]	None.	None.	None.
24	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.
25	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.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
26	All hoses, piping, connections, fittings and manholes serving the vapor control system shall be vapor-tight and free of liquid leaks, except when gauging or sampling is being performed; The vapor control system, including any component thereof, shall be maintained in proper operating condition and kept free of defects that could impair the effectiveness of the system; The vapor control system shall be 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 The vapor control system shall be operated properly whenever gasoline is stored, transferred, and/or dispensed. [N.J.A.C. 7:27-16.3(r)]	None.	None.	None.
27	The permittee shall maintain a record of the monthly throughput of gasoline. [N.J.A.C. 7:27-16.3(t)1]	None.	None.	None.
28	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.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
29	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.
30	The owner or operator of a new or reconstructed major affected source must provide a notification of intention to construct a new major-emitting affected source, or reconstruct a major source that becomes a major- emitting affected source, with the application for approval of construction or reconstruction as specified in 40 CFR 63.5(d)(1)(i). [40 CFR 63.9(b)(4)]	None.	Recordkeeping by other recordkeeping method (provide description) once initially. Notification records shall be maintained and recorded in a form suitable and readily available for expeditious inspection and review for at least 5 years following the date of each record. At minimum, the most recent two years of data shall be retained on site. The remaining 3 years of data may be retained off site. Such files may be maintained on microfilm, on a computer, on a computer floppy disks, on magnetic tape disks, or on microfiche. [40 CFR 63.10(b)(1)]	Submit the required air permit application(s): As per the approved schedule. The application shall be submitted as soon as practicable before actual construction or reconstruction begins. [40 CFR 63.5(d)(1)(i)]
31	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)]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
32	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.
33	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 [40 CFR 63.11116(a)]	None.	None.	None.
34	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 Specific Requirements

Emission Unit: **U6 Two (2) - Site Remediation NW044 by Building 5136, and TU019a by Buildings 3136 and 3137**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	This equipment shall not cause any air contaminant, including an air contaminant detectable by the sense of smell, to be present in the outdoor atmosphere in such quantity and duration which is, or tends to be, injurious to human health or welfare, animal or plant life or property, or would unreasonably interfere with the enjoyment of life or property, except in areas over which the owner or operator has exclusive use or occupancy. [N.J.A.C. 7:27- 5]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The Permittee shall record instances (date and time) when the operation of equipment has the potential to cause off-property effects. All records must be available for NJDEP inspection upon request for the duration of the site remediation project, Records shall be kept for a period of five years. [N.J.A.C. 7:27-22.16(o)]	Submit a report: Upon occurrence of event. Any operation of the equipment which may cause 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 be reported by the Permittee as required by the Air Pollution Control Act. The Permittee shall immediately notify the Department of any non-compliance by calling the Environmental Action Hotline at 1-877-927-6337. . [N.J.A.C. 7:27-22.16(o)]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
2	VOC (Total) <= 3.5 lb/hr maximum allowable emission rate as determined from N.J.A.C. 7:27-16.16, Tables 16A and 16B. [N.J.A.C. 7:27-16.16(a)]	None.	Other: For each different kind of batch or continuous process for which the source operation is used: i.Record the following information determined in accordance with the Procedure for Using Table 16A in [N.J.A.C.7:27.16.16(c)]: the chemical name and vapor pressure of each VOC used, the percent concentration by volume of VOC in the source gas, the volumetric gas flow rate, the source gas range classification, and the maximum allowable emission rate; also record the maximum actual emission rate and maintain the calculations and any test data used to determine the actual emission rate for each process; and, if the source operation is used for more than one process, record the dates on which the source operation is used for each process; or ii.Conduct an analysis of the source operation, which demonstrates that, under worst case operating conditions that maximize the VOC emissions after any control, the VOC emission rate of the source operation is in compliance with this section; and maintain process records sufficient to demonstrate whether the VOC emission rate of the source operation from actual operations does not exceed the VOC emission rate under worst case operating conditions; [N.J.A.C. 7:27-16.16(g)1].	None.
3	The owner/operator shall post the name of the contact person and responsible person, together with address and phone number, on a permanent, legible sign in a conspicuous location on the work site, prior to beginning the work (not including pilot tests) to be performed in accordance with the permit. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
4	The owner/operator (Permittee) shall notify the appropriate Air Regional Field Office (RFO) in writing at least seven days prior to starting remediation activities. The Permittee shall notify the RFO within thirty days of completion of the project. [N.J.A.C. 7:27-22.16(a)]	None.	Other: The Permittee shall maintain copies of notifications available for NJDEP inspection upon request for five years.[N.J.A.C. 7:27-22.16(o)].	Submit notification: Prior to occurrence of event. The Permittee shall notify the Air Regional Field Office in writing at least seven days prior to starting remediation and within thirty days of completion of the project. [N.J.A.C. 7:27-22.16(o)]
5	The soil vapor extraction system shall be operated only in conjunction with the approved air pollution control device system specified under the conditions of this permit. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	The operation of the soil vapor extraction system equipment shall be restricted to those remediation areas which are specified under the conditions of this permit (SVE - TU970 - U2321, SVE - NW044 - U2331, and SVE - TU019a - U2341). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	Stack Height above ground greater than or equal to 20 ft. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	All components connected or attached to, or serving the equipment or control apparatus must be functioning properly and are being used in accordance with all conditions and provisions of this permit. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	All emissions from the SVE - TU970 - U2321, SVE - NW044 - U2331, and SVE - TU019a - U2341 shall be vented through the corresponding catalytic oxidizer, or carbon adsorption system. The Permittee will be allowed to switch the control apparatus throughout the duration of the project. [Once the mass loading rate drops to approximately 1 pound per day, the catalytic oxidizer operations will cease, and granular activated carbon (GAC) vessels will be brought online for vapor treatment.] [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 shall maintain records of all equipment and control apparatus used and make these available for NJDEP inspection upon request. The Permittee shall record the date and time when the equipment or control apparatus is changed. Records shall be kept for the duration of the site remediation project, Records shall be kept for a period of five years. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
10	For sources using Air Sparging, the ratio of the Soil Vapor Extraction (SVE) rate to the Air Sparging (AS) rate shall be at least three to one (3:1) at all times during operation. [N.J.A.C. 7:27-22.16(a)]	Monitored by calculations at the approved frequency. The Permittee shall monitor the ratio of the SVE rate to the AS rate, by using the flow rates measured in accordance with Facility Specific Requirements: once within the first seven operating days after implementation of air sparging and quarterly thereafter. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system at the approved frequency. The Permittee shall record the Soil Vapor Extraction and Air Sparging flow-rates at the time of the measurements. The SVE/AS ratio shall then be calculated and recorded. The records shall be available for NJDEP inspection upon request for the duration of the site remediation project, Records shall be kept for a period of five years. [N.J.A.C. 7:27-22.16(o)]	Submit a report: Upon occurrence of event. The permittee shall report any non-compliance within three working days after the event in writing to the Air Regional Enforcement Office. [N.J.A.C. 7:27-22.16(o)]
11	For sources using Air Sparging, the Permittee shall air sparge at a minimum depth of 10 feet below the ground surface. [N.J.A.C. 7:27-22.16(a)]	Monitored by documentation of construction upon request of the Department. [N.J.A.C. 7:27-22.16(o)]	Other: The Permittee shall maintain documentation of construction records for each air sparging well and make them available for NJDEP inspection for the duration of the site remediation project, Records shall be kept for a period of five years.[N.J.A.C. 7:27-22.16(o)].	None.
12	For sources using Air Sparging, the maximum Soil Vapor Extraction rate shall be 600 Actual Cubic Feet per Minute (ACFM). [N.J.A.C. 7:27-22.16(a)]	Monitored by flue gas flow rate instrument at the approved frequency, based on 1 minute intervals. The Permittee shall monitor the Soil Vapor Extraction rate using flow meters or equipment settings. The Permittee shall install, calibrate and maintain the monitors in accordance with manufacturer specifications. The monitoring frequency shall be as follows: once within the first seven operating days after implementation of air sparging and quarterly thereafter. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system at the approved frequency. The Permittee shall record the Soil Vapor Extraction rate at the time of the measurements. The records shall be available for NJDEP inspection upon request for the duration of the site remediation project, Records shall be kept for a period of five years. [N.J.A.C. 7:27-22.16(o)]	Submit a report: Upon occurrence of event. The permittee shall report any non-compliance within three working days after the event in writing to the Air Regional Enforcement Office. [N.J.A.C. 7:27-22.16(o)]
13	HAPs (Total): All Haps including Benzene, Ethylbenzene, Hexane, Toluene, and Xylene emissions from the SVE system shall be below the reporting thresholds in N.J.A.C. 7:27-22, Appendix 1, Table A & B, [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U6 Two (2) - Site Remediation NW044 by Building 5136, and TU019a by Buildings 3136 and 3137**
Operating Scenario: **OS3 NW044 - Catalytic Oxidizer - by Building 5136**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Opacity: No visible emissions except for a period of not longer than three minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-3.2(a)] & [N.J.A.C. 7:27- 3.2(c)]	Opacity: Monitored by visual determination each month during operation, based on an instantaneous determination. For compliance with the opacity standard, the Permittee shall conduct visual opacity inspections during daylight hours. Visual inspections shall consist of a visual survey to identify if the stack has visible emissions. If visible emissions are observed, the Permittee shall perform a check via a certified opacity reader, in accordance with N.J.A.C. 7:27B-2. If visible emissions greater than the prescribed standard are observed, the Permittee shall perform a check via a certified opacity reader, in accordance with N.J.A.C. 7:27B-2 each day until corrective actions taken result in opacity readings below the prescribed standard. [N.J.A.C. 7:27-22.16(o)]	Opacity: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The Permittee shall retain the following records: (1) Date and time of inspection; (2) Emission Point number; (3) Operational status of equipment: (4) N.J.A.C. 7:27B-2 observed results and conclusions; (5) Description of corrective action taken if needed; Date and time opacity problem was solved, if applicable; Name of person(s) conducting inspection. [N.J.A.C. 7:27-22.16(o)]	None.
2	Residence Time >= 0.5 seconds. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	The permittee shall maintain the Catalytic Oxidizer per manufacturer recommendations. [N.J.A.C. 7:27-22.16(a)]	None.	Recordkeeping by other recordkeeping method (provide description) continuously. The Permittee shall retain the manufacturer's recommendations for the control apparatus and make these available for NJDEP inspection upon request. Records shall be kept for the duration of the site remediation project, Records shall be kept for a period of five years. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
4	Operating VOC Control Efficiency >= 99.5 % (long-term). At all times while operating, the permittee shall meet either the specified VOC stack exhaust gas concentration or 98% minimum instantaneous control efficiency or no more than 10 ppmv of VOC expressed as equivalent CH4, corrected to 7% O2. [N.J.A.C. 7:27-22.16(a)]	Operating VOC Control Efficiency: Monitored by periodic emission monitoring at the approved frequency, based on the averaging period as per approved sampling protocol. VOCs shall be monitored prior to the catalytic oxidizer and at the stack while operating under typical conditions. If the typical conditions are a range, the monitoring data shall be taken at worst case (max emissions) conditions. The frequency of monitoring shall be as follows: Day 1 - Twice, at least three hours apart. Days (2-7) - Once per day. Weeks (2-5) - Three times, at least one day apart. Weeks (5-Completion) - Once per week. [N.J.A.C. 7:27-22.16(o)]	Operating VOC Control Efficiency: Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. All monitoring and sampling results shall be kept in table form with the following headings where applicable: Date, Standard Cubic Feet Per Minute, Monitor Reading, Response Factor, % Oxygen (before and after control), VOC Parts Per Million (before and after control), VOC Pounds Per Hour (before and after control), VOC Control Efficiency and Permit Limit VOC Control Efficiency. All monitoring and sampling records shall be kept on-site for a minimum of 5 years and made available to representatives of the Department upon request. [N.J.A.C. 7:27-22.16(o)]	None.
5	Operating Temperature >= 626 and Operating Temperature <= 1,148 degrees F. The minimum operating temperature shall be attained prior to start-up of the source equipment, with an automatic shutoff system designed to inactivate the source equipment when the inlet temperature is less than the minimum operating temperature. . [N.J.A.C. 7:27-22.16(a)]	Operating Temperature: Monitored by temperature instrument continuously. A temperature sensor shall be installed and operated to continuously monitor the temperature at the outlet of the Catalytic Oxidizer. This sensor shall be operated in accordance with manufacturer specifications and shall be located in such manner that allows easy access and visibility. The sensor shall be properly shielded from direct contact with and radiation by the flame. Flame must not be visible from the point of view of the thermocouple. [N.J.A.C. 7:27-22.16(o)]	Operating Temperature: Recordkeeping by strip chart or data acquisition (DAS) system continuously. The Permittee shall record operating temperature measurements prior to the catalyst in the combustion chamber on a continuous basis by installing and operating a continuous temperature recorder. Records shall be kept for a period of five years. [N.J.A.C. 7:27-22.16(o)]	None.
6	The catalytic oxidizer shall use only natural gas, fuel oil, or electric as the auxiliary fuel. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	VOC (Total) < 0.05 lb/hr (below reporting threshold). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U6 Two (2) - Site Remediation NW044 by Building 5136, and TU019a by Buildings 3136 and 3137**
Operating Scenario: **OS4 NW044 - Carbon Adsorption - by Building 5136**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	No visible emissions: No visible emissions except for a period of not longer than three minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-3.2(a)] & [N.J.A.C. 7:27-22.16(a)]	Monitored by visual determination each month during operation, based on an instantaneous determination. For compliance with the opacity standard, the Permittee shall conduct visual opacity inspections during daylight hours. Visual inspections shall consist of a visual survey to identify if the stack has visible emissions. If visible emissions are observed, the Permittee shall perform a check via a certified opacity reader, in accordance with N.J.A.C. 7:27B-2. If visible emissions greater than the prescribed standard are observed, the Permittee shall perform a check via a certified opacity reader, in accordance with N.J.A.C. 7:27B-2 each day until corrective actions taken result in opacity readings below the prescribed standard. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The Permittee shall retain the following records: (1) Date and time of inspection; (2) Emission Point number; (3) Operational status of equipment: (4) N.J.A.C. 7:27B-2 observed results and conclusions; (5) Description of corrective action taken if needed; Date and time opacity problem was solved, if applicable; Name of person(s) conducting inspection. [N.J.A.C. 7:27-22.16(o)]	None.
2	No person shall cause, suffer, allow or permit particles to be emitted from any stack or chimney into the outdoor air the shade or appearance of which is greater than or equal to 20 percent opacity, exclusive of condensed water vapor, except for a period of not longer than three minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-6.2(d)] & [N.J.A.C. 7:27- 6.2(e)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
3	The Carbon adsorption unit shall consist a minimum of two or more carbon canisters in series. When breakthrough is determined based on the weight of the primary canister(s) or the concentration of the vapor stream leaving the primary carbon canister(s), the following action will be taken. The primary carbon canister(s) (prior to the final canister) shall be replaced with the secondary unit and the secondary unit replaced with fresh or newly regenerated carbon canister. The estimated time for breakthrough shall be calculated based on the amount of carbon in the primary canister(s), the maximum VOC concentration of off-gases measured at the inlet to the carbon adsorption beds, and the specifications of the manufacturer. [N.J.A.C. 7:27-22.16(a)]	Monitored by other method (provide description) at the approved frequency. The Permittee shall monitor the carbon adsorption system at a frequency which is less than the estimated time for breakthrough or at least quarterly. Monitoring for breakthrough shall be conducted by either one of the following methods: 1. Monitor the weight of the primary carbon canister(s) using a weight scale. When the weight of the primary canister(s) is equal to 80% or greater of the weight at saturation, as provided by the manufacturer, the primary canister(s) is replaced by the secondary canister and a fresh or newly regenerated carbon canister installed as the secondary, or 2. Monitor the concentration of VOCs in the off-gases at the inlet to the carbon adsorption system, exiting the primary carbon canister(s) using a properly calibrated portable field instrument (OVA or PID) with a range of 0 to 1000 parts per million by volume (ppmv) with an accuracy of 10% as detailed on pages 213 through 227 of Field Sampling Procedures Manual issued by the Department in May 1992. The breakthrough point is reached when the concentration of the gases exiting the primary carbon canister(s) exceeds 10% of the inlet concentration of carbon adsorption system or 10 ppmv, whichever is greater. . [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The Permittee must maintain records of the estimated breakthrough time, the dates of testing and the weight of the carbon beds and make these available for NJDEP inspection upon request until project completion, For sources using a weight scale: Record the date, time and weight of the carbon canister(s), when the primary adsorption unit is changed and make these available for NJDEP inspection upon request until project completion, For sources using a portable field instrument: Record the VOC concentration measured at the inlet and outlet of the primary carbon canister(s), and in the discharge stack using a calibrated portable field instrument and make these available for NJDEP inspection upon request until project completion, Records of the date and time when the carbon units are changed or regenerated and the breakthrough concentration shall be kept on-site for a minimum of 5 years after collection and shall be made available to representatives of the Department upon request. Records shall be kept for a period of five years. . [N.J.A.C. 7:27-22.16(o)]	Submit a report: Upon occurrence of event. The permittee shall report any non-compliance within three working days after the event in writing to the Air Regional Enforcement Office. [N.J.A.C. 7:27-22.16(o)]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
4	The Permittee shall maintain the Carbon Adsorption system per manufacturer specifications. [N.J.A.C. 7:27-22.16(a)]	None.	Recordkeeping by other recordkeeping method (provide description) continuously. The permittee shall retain manufacturer specifications for the control apparatus and make these available for NJDEP inspection upon request. Records shall be kept for the duration of the site remediation project, Records shall be kept for a period of five years. [N.J.A.C. 7:27-22.16(o)]	None.
5	Operating Control Efficiency >= 95 % (long-term). The carbon adsorption system shall be designed to operate at a minimum instantaneous destruction and removal efficiency of 99% VOCs, or 95% minimum control efficiency or no more than 25 ppmv of VOC, expressed as equivalent CH4. [N.J.A.C. 7:27-22.16(a)]	None.	Operating Control Efficiency: Recordkeeping by other recordkeeping method (provide description) continuously. The permittee shall retain manufacturer specifications for the control apparatus and make these available for NJDEP inspection upon request. Records shall be kept for the duration of the site remediation project, Records shall be kept for a period of five years. [N.J.A.C. 7:27-22.16(o)]	None.
6	Flowrate >= 150 and Flowrate <= 600 SCFM. [N.J.A.C. 7:27-22.16(a)]	Flowrate: Monitored by carbon adsorption breakthrough monitor each week during operation. The system will be equipped with several alarms (high pressure, high temperature, thermal overload, blower fault) that will trigger full system shutdown (including air sparge) in the event of operational issues that could influence system flow rates. [N.J.A.C. 7:27-22.16(o)]	Flowrate: Recordkeeping by manual logging of parameter or storing data in a computer data system each week during operation. [N.J.A.C. 7:27-22.16(o)]	None.
7	System Pressure <= 5 psig. [N.J.A.C. 7:27-22.16(a)]	System Pressure: Monitored by pressure measurement device continuously. [N.J.A.C. 7:27-22.16(o)]	System Pressure: Recordkeeping by data acquisition system (DAS) / electronic data storage daily. [N.J.A.C. 7:27-22.16(o)]	None.
8	Temperature <= 140 degrees F. [N.J.A.C. 7:27-22.16(o)]	Temperature: Monitored by temperature instrument continuously. [N.J.A.C. 7:27-22.16(o)]	Temperature: Recordkeeping by manual logging of parameter or storing data in a computer data system continuously. [N.J.A.C. 7:27-22.16(o)]	None.
9	Permitted operation of Up-Flow adsorber with 300 lbs. coal-base virgin or reactive carbon. [N.J.A.C. 7:27-22.16(a)]	None.	Other: Maintain standard specifications in accordance with manufacturer procedures and make these available for NJDEP inspection upon request[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
10	VOC (Total) < 0.05 lb/hr (below reporting threshold). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U6 Two (2) - Site Remediation NW044 by Building 5136, and TU019a by Buildings 3136 and 3137**
Operating Scenario: **OS5 TU019a - Catalytic Oxidizer - by Buildings 3136 and 3137**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Opacity: No visible emissions except for a period of not longer than three minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-3.2(a)] & [N.J.A.C. 7:27- 3.2(c)]	Opacity: Monitored by visual determination each month during operation, based on an instantaneous determination. For compliance with the opacity standard, the Permittee shall conduct visual opacity inspections during daylight hours. Visual inspections shall consist of a visual survey to identify if the stack has visible emissions. If visible emissions are observed, the Permittee shall perform a check via a certified opacity reader, in accordance with N.J.A.C. 7:27B-2. If visible emissions greater than the prescribed standard are observed, the Permittee shall perform a check via a certified opacity reader, in accordance with N.J.A.C. 7:27B-2 each day until corrective actions taken result in opacity readings below the prescribed standard. [N.J.A.C. 7:27-22.16(o)]	Opacity: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The Permittee shall retain the following records: (1) Date and time of inspection; (2) Emission Point number; (3) Operational status of equipment: (4) N.J.A.C. 7:27B-2 observed results and conclusions; (5) Description of corrective action taken if needed; Date and time opacity problem was solved, if applicable; Name of person(s) conducting inspection. [N.J.A.C. 7:27-22.16(o)]	None.
2	Residence Time >= 0.5 seconds. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	The permittee shall maintain the Catalytic Oxidizer per manufacturer recommendations. [N.J.A.C. 7:27-22.16(a)]	None.	Recordkeeping by other recordkeeping method (provide description) continuously. The Permittee shall retain the manufacturer's recommendations for the control apparatus and make these available for NJDEP inspection upon request. Records shall be kept for the duration of the site remediation project, Records shall be kept for a period of five years. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
4	Operating VOC Control Efficiency >= 99.5 % (long-term). At all times while operating, the permittee shall meet either the specified VOC stack exhaust gas concentration or 98% minimum instantaneous control efficiency or no more than 10 ppmv of VOC expressed as equivalent CH4, corrected to 7% O2. [N.J.A.C. 7:27-22.16(a)]	Operating VOC Control Efficiency: Monitored by periodic emission monitoring at the approved frequency, based on the averaging period as per approved sampling protocol. VOCs shall be monitored prior to the catalytic oxidizer and at the stack while operating under typical conditions. If the typical conditions are a range, the monitoring data shall be taken at worst case (max emissions) conditions. The frequency of monitoring shall be as follows: Day 1 - Twice, at least three hours apart. Days (2-7) - Once per day. Weeks (2-5) - Three times, at least one day apart. Weeks (5-Completion) - Once per week. [N.J.A.C. 7:27-22.16(o)]	Operating VOC Control Efficiency: Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. All monitoring and sampling results shall be kept in table form with the following headings where applicable: Date, Standard Cubic Feet Per Minute, Monitor Reading, Response Factor, % Oxygen (before and after control), VOC Parts Per Million (before and after control), VOC Pounds Per Hour (before and after control), VOC Control Efficiency and Permit Limit VOC Control Efficiency. All monitoring and sampling records shall be kept on-site for a minimum of 5 years and made available to representatives of the Department upon request. [N.J.A.C. 7:27-22.16(o)]	None.
5	Operating Temperature >= 626 and Operating Temperature <= 1,148 degrees F. The minimum operating temperature shall be attained prior to start-up of the source equipment, with an automatic shutoff system designed to inactivate the source equipment when the inlet temperature is less than the minimum operating temperature. . [N.J.A.C. 7:27-22.16(a)]	Operating Temperature: Monitored by temperature instrument continuously. A temperature sensor shall be installed and operated to continuously monitor the temperature at the outlet of the Catalytic Oxidizer. This sensor shall be operated in accordance with manufacturer specifications and shall be located in such manner that allows easy access and visibility. The sensor shall be properly shielded from direct contact with and radiation by the flame. Flame must not be visible from the point of view of the thermocouple. [N.J.A.C. 7:27-22.16(o)]	Operating Temperature: Recordkeeping by strip chart or data acquisition (DAS) system continuously. The Permittee shall record operating temperature measurements prior to the catalyst in the combustion chamber on a continuous basis by installing and operating a continuous temperature recorder. Records shall be kept for a period of five years. [N.J.A.C. 7:27-22.16(o)]	None.
6	The catalytic oxidizer shall use only natural gas, fuel oil, or electric as the auxiliary fuel. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	VOC (Total) < 0.05 lb/hr (below reporting threshold). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U6 Two (2) - Site Remediation NW044 by Building 5136, and TU019a by Buildings 3136 and 3137**
Operating Scenario: **OS6 TU019a - Carbon Adsorption - by Buildings 3136 and 3137**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	No visible emissions: No visible emissions except for a period of not longer than three minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-3.2(a)] & [N.J.A.C. 7:27-22.16(a)]	Monitored by visual determination each month during operation, based on an instantaneous determination. For compliance with the opacity standard, the Permittee shall conduct visual opacity inspections during daylight hours. Visual inspections shall consist of a visual survey to identify if the stack has visible emissions. If visible emissions are observed, the Permittee shall perform a check via a certified opacity reader, in accordance with N.J.A.C. 7:27B-2. If visible emissions greater than the prescribed standard are observed, the Permittee shall perform a check via a certified opacity reader, in accordance with N.J.A.C. 7:27B-2 each day until corrective actions taken result in opacity readings below the prescribed standard. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The Permittee shall retain the following records: (1) Date and time of inspection; (2) Emission Point number; (3) Operational status of equipment: (4) N.J.A.C. 7:27B-2 observed results and conclusions; (5) Description of corrective action taken if needed; Date and time opacity problem was solved, if applicable; Name of person(s) conducting inspection. [N.J.A.C. 7:27-22.16(o)]	None.
2	No person shall cause, suffer, allow or permit particles to be emitted from any stack or chimney into the outdoor air the shade or appearance of which is greater than or equal to 20 percent opacity, exclusive of condensed water vapor, except for a period of not longer than three minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-6.2(d)] & [N.J.A.C. 7:27- 6.2(e)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
3	The Carbon adsorption unit shall consist a minimum of two or more carbon canisters in series. When breakthrough is determined based on the weight of the primary canister(s) or the concentration of the vapor stream leaving the primary carbon canister(s), the following action will be taken. The primary carbon canister(s) (prior to the final canister) shall be replaced with the secondary unit and the secondary unit replaced with fresh or newly regenerated carbon canister. The estimated time for breakthrough shall be calculated based on the amount of carbon in the primary canister(s), the maximum VOC concentration of off-gases measured at the inlet to the carbon adsorption beds, and the specifications of the manufacturer. [N.J.A.C. 7:27-22.16(a)]	Monitored by other method (provide description) at the approved frequency. The Permittee shall monitor the carbon adsorption system at a frequency which is less than the estimated time for breakthrough or at least quarterly. Monitoring for breakthrough shall be conducted by either one of the following methods: 1. Monitor the weight of the primary carbon canister(s) using a weight scale. When the weight of the primary canister(s) is equal to 80% or greater of the weight at saturation, as provided by the manufacturer, the primary canister(s) is replaced by the secondary canister and a fresh or newly regenerated carbon canister installed as the secondary, or 2. Monitor the concentration of VOCs in the off-gases at the inlet to the carbon adsorption system, exiting the primary carbon canister(s) using a properly calibrated portable field instrument (OVA or PID) with a range of 0 to 1000 parts per million by volume (ppmv) with an accuracy of 10% as detailed on pages 213 through 227 of Field Sampling Procedures Manual issued by the Department in May 1992. The breakthrough point is reached when the concentration of the gases exiting the primary carbon canister(s) exceeds 10% of the inlet concentration of carbon adsorption system or 10 ppmv, whichever is greater. . [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The Permittee must maintain records of the estimated breakthrough time, the dates of testing and the weight of the carbon beds and make these available for NJDEP inspection upon request until project completion, For sources using a weight scale: Record the date, time and weight of the carbon canister(s), when the primary adsorption unit is changed and make these available for NJDEP inspection upon request until project completion, For sources using a portable field instrument: Record the VOC concentration measured at the inlet and outlet of the primary carbon canister(s), and in the discharge stack using a calibrated portable field instrument and make these available for NJDEP inspection upon request until project completion, Records of the date and time when the carbon units are changed or regenerated and the breakthrough concentration shall be kept on-site for a minimum of 5 years after collection and shall be made available to representatives of the Department upon request. Records shall be kept for a period of five years. . [N.J.A.C. 7:27-22.16(o)]	Submit a report: Upon occurrence of event. The permittee shall report any non-compliance within three working days after the event in writing to the Air Regional Enforcement Office. [N.J.A.C. 7:27-22.16(o)]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
4	The Permittee shall maintain the Carbon Adsorption system per manufacturer specifications. [N.J.A.C. 7:27-22.16(a)]	None.	Recordkeeping by other recordkeeping method (provide description) continuously. The permittee shall retain manufacturer specifications for the control apparatus and make these available for NJDEP inspection upon request. Records shall be kept for the duration of the site remediation project, Records shall be kept for a period of five years. [N.J.A.C. 7:27-22.16(o)]	None.
5	Operating Control Efficiency >= 95 % (long-term). The carbon adsorption system shall be designed to operate at a minimum instantaneous destruction and removal efficiency of 99% VOCs, or 95% minimum control efficiency or no more than 25 ppmv of VOC, expressed as equivalent CH4. [N.J.A.C. 7:27-22.16(a)]	None.	Operating Control Efficiency: Recordkeeping by other recordkeeping method (provide description) continuously. The permittee shall retain manufacturer specifications for the control apparatus and make these available for NJDEP inspection upon request. Records shall be kept for the duration of the site remediation project, Records shall be kept for a period of five years. [N.J.A.C. 7:27-22.16(o)]	None.
6	Flowrate >= 150 and Flowrate <= 600 SCFM. [N.J.A.C. 7:27-22.16(a)]	Flowrate: Monitored by carbon adsorption breakthrough monitor each week during operation. The system will be equipped with several alarms (high pressure, high temperature, thermal overload, blower fault) that will trigger full system shutdown (including air sparge) in the event of operational issues that could influence system flow rates. [N.J.A.C. 7:27-22.16(o)]	Flowrate: Recordkeeping by manual logging of parameter or storing data in a computer data system each week during operation. [N.J.A.C. 7:27-22.16(o)]	None.
7	System Pressure <= 5 psig. [N.J.A.C. 7:27-22.16(a)]	System Pressure: Monitored by pressure measurement device continuously. [N.J.A.C. 7:27-22.16(o)]	System Pressure: Recordkeeping by data acquisition system (DAS) / electronic data storage daily. [N.J.A.C. 7:27-22.16(o)]	None.
8	Temperature <= 140 degrees F. [N.J.A.C. 7:27-22.16(o)]	Temperature: Monitored by temperature instrument continuously. [N.J.A.C. 7:27-22.16(o)]	Temperature: Recordkeeping by manual logging of parameter or storing data in a computer data system continuously. [N.J.A.C. 7:27-22.16(o)]	None.
9	Permitted operation of Up-Flow adsorber with 300 lbs. coal-base virgin or reactive carbon. [N.J.A.C. 7:27-22.16(a)]	None.	Other: Maintain standard specifications in accordance with manufacturer procedures and make these available for NJDEP inspection upon request[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
10	VOC (Total) < 0.05 lb/hr (below reporting threshold). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U7 Two (2) - Paint Booths**
Subject Item: **CD166 Dry Filter for Paint Booth Bld. 8304**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Pressure Drop >= 0.3 inches w.c. across the filter. [N.J.A.C. 7:27-22.16(a)]	Pressure Drop: Monitored by pressure drop instrument continuously. Manometers shall be used to measure particulate filter loading in the paint booth. Filters shall be changed when there is a pressure drop of 0.3" W.C. across the filter. [N.J.A.C. 7:27-22.16(o)]	Pressure Drop: Recordkeeping by manual logging of parameter or storing data in a computer data system once per shift during operation (Parameter - pressure drop). [N.J.A.C. 7:27-22.16(o)]	None.
2	Design Control Efficiency >= 99.43 % of particulates. [N.J.A.C. 7:27-22.16(a)]	None.	Other: Maintain records of the design control efficiency.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U7 Two (2) - Paint Booths**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Opacity <= 20 % , exclusive of condensed water vapor, except for 3 minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-6.2(d)] and. [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)]	Monitored by visual determination each month during operation. Conduct visual inspections during daylight hours to identify if the stack has visible emissions, other than condensed water vapor. Select an observation position enabling clear view of emission point(s), minimum 15 feet away without sunlight shining directly into the eyes. Observe for a minimum duration of 30 minutes. Clock observation with two stopwatches starting the 1st watch at the commencement of the 30-minute observation period and starting and stopping the 2nd watch every time visible emissions are first seen and when they cease, and record the observation. If visible emissions are observed for more than 3 minutes in the 30-consecutive minutes: (1) Verify the equipment and/or control device causing visible emissions is operating according to manufacturer's specifications. If it is not operating properly, take corrective action immediately to eliminate the excess emissions. (2) If the visible emisssions problem is not corrected within 24 hours, a certified opacity reader shall perform an opacity observation, in accordance with N.J.A.C. 7:27B-2. Conduct opacity observations, in accordance with N.J.A.C. 7:27B-2, each day until the opacity problem is successfully corrected. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. Record and retain the following: (1) Date and time of inspection; (2) Emission Point number; (3) Operational status of equipment: (4) Observed results and conclusions: (5) Description of corrective action taken if needed; (6) Date and time opacity problem was solved, if applicable; (7) N.J.A.C. 7:27B-2 results if conducted; and ((8) Name of person(s) conducting inspection. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
3	Maximum allowable VOC Content of Coatings used for Mobile Equipment Repair or Refinishing: No person shall apply any coating, including but not limited to an automotive pretreatment coating, automotive primer-surface coating, automotive primer-sealer, automotive topcoat, or any automotive specialty coating, that contains VOC in excess of the applicable limits specified below, to mobile equipment or mobile equipment components: Coating Type — VOC Limit (lb/gal) Automotive pretreatment — 6.5 Automotive primer-surfacer — 4.8 Automotive primer-sealer — 4.6 Automotive topcoat: Single stage-topcoat — 5.0 2 stage basecoat/clearcoat — 5.0 3 or 4-stage basecoat/clearcoat — 5.2 Automotive multi-colored Topcoat — 5.7 Automotive specialty — 7.0 [N.J.A.C. 7:27-16.12(c)]	Monitored by calculations once initially for each coating applied, or to be applied, as part of a mobile equipment repair and refinishing operation. VOC content of a coating shall be calculated as follows: 1. The VOC content of a coating shall be calculated in accordance with the following equation: VOC = Wv+Wa-Ww-Wn / V+Va-Vw-Vn, where: VOC= The VOC content of a given coating (lb/gal); Wv= Mass of total volatiles (lb); Wa= Mass of total VOC in additives or other materials that are added to the coating prior to its application (lb); Ww = Mass of water in coating (if any) (lb); Wn= Mass of any non-VOC solvent in the coating (lb); V= Volume of coating (gal); Va=Volume of VOC-containing additives or other materials that are added to the coating prior to its application (gal); Vw= Volume of water in coating (if any) (gal); and Vn= Volume of any non-VOC solvent in the coating (gal); and 2. The VOC content of a multi-stage topcoat shall be calculated in accordance the following equation: VOCmulti = VOCbc+Summation (i=0 to M) VOCmci+2(VOCcc) / M+3, where: VOCmulti= VOC content of multistage topcoat (lb/gal); VOCbc= VOC content of basecoat (lb/gal); VOCmci= VOC content of a given midcoat (lb/gal); VOCcc=VOC content of the clear coat (lb/gal); i= A given midcoat; and M= Total number of midcoats. . [N.J.A.C. 7:27-16.12(d)]	Recordkeeping by manual logging of parameter or storing data in a computer data system once initially for each coating applied, or to be applied, as part of a mobile equipment repair and refinishing operation. The permittee shall maintain readily available records of the VOC content (lb/gal) of each coating used for mobile equipment repair or refinishing. [N.J.A.C. 7:27-16.12(e)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
4	To apply any of the coatings in preceding requirement, the owner or operator of a surface coating operation shall use one or more of the following application techniques 1. Flow/curtain coating; 2. Dip coating; 3. Roller coating; 4. Brush coating; 5. Cotton-tipped swab application; 6. Electrodeposition coating; 7. High volume low pressure (HVLP) spraying; 8. Electrostatic spray; and/or 9. Airless spray. 10. Any other coating application method, provided that: i. The owner or operator has submitted a demonstration to the Department and EPA that the VOC emissions resulting from this application method do not exceed the emissions that would result from either the HVLP or electrostatic spray application method; and ii. Both the Department and EPA have affirmed in writing that they are satisfied with the demonstration and approve the use of the coating application method. [N.J.A.C. 7:27-16.12(f)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
5	To clean a spray gun used to apply coating(s) at a mobile equipment repair and refinishing facility, the owner or operator of a facility subject to this section shall use one of the following methods: 1. An enclosed spray gun cleaning system that is kept closed when not in use; 2. An unatomized discharge of the remaining coating in the spray gun into a paint waste container that is kept closed when not in use; 3. Disassembly of the spray gun and cleaning of the spray gun in a vat that is kept closed when not in use; or 4. An atomized spray of solvent used for cleaning, into a paint waste container that is fitted with a device designed to capture atomized solvent emissions. [N.J.A.C. 7:27-16.12(g)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
6	The owner or operator of a mobile equipment repair and refinishing facility subject to N.J.A.C. 7:27-16.12 shall implement the following housekeeping measures: 1. The following materials shall be stored in nonabsorbent, nonleaking containers: i. Fresh coatings; ii. Used coatings; iii. Solvents, including cleaning solvents; iv. VOC-containing additives; v. Other VOC-containing materials that are added to the coating prior to application; vi. VOC-containing waste materials; and vii. Cloth, paper, or absorbent applicators, moistened with any of the materials listed in N.J.A.C. 7:27-16.12(h)1i through vi above; 2. The containers referenced at N.J.A.C. 7:27-16.12(h)1 above shall be kept closed at all times except when being filled or emptied; and 3. Handling and transfer procedures shall minimize spills during the transfer of the following: i. Coatings; ii. Solvents, including cleaning solvents; iii. VOC-containing additives; iv. Other VOC-containing materials that are added to the coating prior to application; and v. VOC-containing waste materials. [N.J.A.C. 7:27-16.12(h)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	The owner or operator of a mobile equipment repair and refinishing facility subject to N.J.A.C. 7:27-16.12 shall ensure that any person who applies coatings at the mobile equipment repair and refinishing facility has completed training in the proper use and handling of the following in order to minimize the emission of air contaminants: 1. Coatings; 2. Solvents, including cleaning solvents; 3. VOC-containing additives; 4. Other VOC-containing materials that are added to the coating prior to the application; and 5. VOC-containing waste materials. [N.J.A.C. 7:27-16.12(i)]	None.	Other: Maintain readily accessible training records showing mobile equipment repair and refinishing facility training procedures/materials, date(s) of training, name of trainer and name of trainee(s).[N.J.A.C. 7:27-22.16(o)].	None.
8	VOC (Total) <= 13.7 tons/yr. Annual emission limit based on coating usage limits. . [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	TSP <= 1.88 tons/yr. Annual emission limit based on coating usage limits. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
10	PM-10 (Total) <= 1.88 tons/yr. Annual emission limit based on coating usage limits. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
11	PM-2.5 (Total) <= 1.88 tons/yr. Annual emission limit based on PM-10 emissions limit. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U7 Two (2) - Paint Booths**
Operating Scenario: **OS1 Paint Booth in B8304**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 5.59 lb/hr. Particulate emission limit based on 0.02 grains per scf. [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
2	Maintain records of the date, number of hours and volume of each surface coating formulation applied. [N.J.A.C. 7:27-22.16(a)]	Other: Surface coating formulation usage. Per each application.[N.J.A.C. 7:27-22.16(o)].	Recordkeeping by manual logging of parameter or storing data in a computer data system once per shift during operation. Maintain records of the date, number of hours and volume of each surface coating formulation applied. [N.J.A.C. 7:27-22.16(o)]	None.
3	Surface coating application <= 1.0 gallon/hr. Surface coating formulations shall not be applied at rates in excess of one gallon per hour. [N.J.A.C. 7:27-22.16(e)]	Other: Surface coating formulation usage. Per each application.[N.J.A.C. 7:27-22.16(o)].	Recordkeeping by manual logging of parameter or storing data in a computer data system per application. [N.J.A.C. 7:27-22.16(o)]	None.
4	Hours of Operation <= 5,000 hours per each consecutive 12 month period. [N.J.A.C. 7:27-22.16(a)]	Hours of Operation: Monitored by hour/time monitor continuously. [N.J.A.C. 7:27-22.16(o)]	Hours of Operation: Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. [N.J.A.C. 7:27-22.16(o)]	None.
5	Coating Usage <= 5,000 gallons per each consecutive 12 month period. [N.J.A.C. 7:27-22.16(a)]	Other: Surface coating formulation usage. Per each application.[N.J.A.C. 7:27-22.16(o)].	Coating Usage: Recordkeeping by manual logging of parameter or storing data in a computer data system once per shift during operation. Parameter is surface coating formulation usage. Maintain records of the date, number of hours and volume of each surface coating formulation applied. [N.J.A.C. 7:27-22.16(o)]	None.
6	VOC (Total) <= 3.51 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP <= 0.48 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	PM-10 (Total) <= 0.48 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	PM-2.5 (Total) <= 0.48 lb/hr. Based on PM-10 emissions limit. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U7 Two (2) - Paint Booths**
Operating Scenario: **OS2 Paint Booth in B8304**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 5.59 lb/hr. Particulate emission limit based on 0.02 grains per scf. [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
2	Hours of Operation <= 2,800 hours per each consecutive 12 month period. [N.J.A.C. 7:27-22.16(a)]	Hours of Operation: Monitored by hour/time monitor continuously. [N.J.A.C. 7:27-22.16(o)]	Hours of Operation: Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. [N.J.A.C. 7:27-22.16(o)]	None.
3	Surface coating application <= 1.0 gallon/hr. Surface coating formulations shall not be applied at rates in excess of one gallon per hour. [N.J.A.C. 7:27-22.16(e)]	Other: Surface coating formulation usage. Per each application.[N.J.A.C. 7:27-22.16(o)].	Recordkeeping by manual logging of parameter or storing data in a computer data system per application. [N.J.A.C. 7:27-22.16(o)]	None.
4	Coating Usage <= 5,000 gallons per each consecutive 12 month period. Annual surface coating formulation usage. [N.J.A.C. 7:27-22.16(a)]	Other: Surface coating formulation usage. Per each application.[N.J.A.C. 7:27-22.16(o)].	Coating Usage: Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. Parameter is surface coating formulation usage. Maintain records of the date, number of hours and volume of each surface coating formulation applied. [N.J.A.C. 7:27-22.16(o)]	None.
5	VOC (Total) <= 3.51 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	TSP <= 0.48 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	PM-10 (Total) <= 0.48 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	PM-2.5 (Total) <= 0.48 lb/hr. Based on PM-10 emissions limit. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U8 One (1) - Abrasive Blaster**
Subject Item: **CD167 Dry Filter for Abrasive Blaster**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Design Control Efficiency >= 80 % of particulates. [N.J.A.C. 7:27-22.16(a)]	None.	Other: Maintain records of the design control efficiency.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U8 One (1) - Abrasive Blaster**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 3.07 lb/hr. Particulate emission limit based 0.02 grains per standard cubic foot. [N.J.A.C. 7:27-6.2(a)]	None.	None.	None.
2	Opacity <= 20 % , exclusive of condensed water vapor, except for 3 minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-6.2(d)] and. [N.J.A.C. 7:27- 6.2(e)]	Opacity: Monitored by visual determination daily. For compliance with the opacity standard, the permittee shall conduct visual opacity inspections during daylight hours. Visual inspections shall consist of a visual survey to identify if the stack has visible emissions, (other than condensed water vapor), greater than the prescribed standard. If visible emissions are observed, the permittee shall do the following: (1) Verify that the equipment and/or control device causing the emission is operating according to manufactures specifications and the operating permit compliance plan. If the equipment or control device is not operating properly, the permittee shall take corrective action immediately to eliminate the excess emissions. The permittee must report any permit violations to NJDEP pursuant to N.J.A.C. 7:27-22.19. (2) If the corrective action taken in step (1) does not correct the opacity problem within 24 hours, the applicant shall perform a check via a certified opacity reader, in accordance with N.J.A.C. 7:27B-2. Such test shall be conducted each day until corrective action is taken to successfull16y correct the opacity problem. [N.J.A.C. 7:27-22.16(o)]	Opacity: Recordkeeping by manual logging of parameter or storing data in a computer data system daily. Manually or electronically log and retain the following records: (1) Date and time of inspection; (2) Emission Point number; (3) Operational status of equipment: (4) Observed results and conclusions: (5) Description of corrective action taken if needed; (6) Date and time opacity problem was solved, if applicable; (7) N.J.A.C. 7:27B-2 results if conducted; and (8) Name of person(s) conducting inspection. [N.J.A.C. 7:27-22.16(o)]	None.
3	All particulate emissions from this emission unit shall be exhausted through a control device (Dry Filter for Abrasive Blaster). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
4	The owner or operator shall inspect and maintain the particulate control device and replace the filter media on a schedule that maintains the designed particulate control efficiency (CD-Dry Filter for Abrasive Blaster). [N.J.A.C. 7:27-22.16(a)]	Monitored by visual determination annually or at the manufacturer's specified frequency. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. [N.J.A.C. 7:27-22.16(o)]	None.
5	Total Material Transferred: <= 240 units per each consecutive 12 month period. Based on 2000 sq.ft per unit. [N.J.A.C. 7:27-22.16(a)]	Total Material Transferred: Monitored by material feed/flow monitoring daily production log. [N.J.A.C. 7:27-22.16(o)]	Total Material Transferred: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. Parameter means units blasted. [N.J.A.C. 7:27-22.16(o)]	None.
6	Hours of Operation <= 2,080 hours per each consecutive 12 month period. [N.J.A.C. 7:27-22.16(a)]	Hours of Operation: Monitored by hour/time monitor continuously. [N.J.A.C. 7:27-22.16(o)]	Hours of Operation: Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U8 One (1) - Abrasive Blaster**
Operating Scenario: **OS1 Abrasive Blaster**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Total Production Rate: <= 0.12 units per hour based on 2000 sq.ft per unit and 4 sq.ft/ minute @ 80% eff. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by daily production log.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain readily accessible daily production logs.[N.J.A.C. 7:27-22.16(o)].	None.
2	TSP < 0.05 lb/hr (below permit reporting threshold). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U9 One (1) - Landfill - Legacy landfill that is closed**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	H2S <= 30 ppbv averaged over any 30-minute period at or beyond the property line of the landfill. [N.J.A.C. 7:27- 7.3]	None.	None.	None.
2	VOC (Total) <= 3 lb/hr. Maximum allowable hourly VOC emissions, based on the vapor pressure of VOC emitted from the source operation, and percent by volume of VOC in the source gas emitted from the source operation:. [N.J.A.C. 7:27-16.16(c)]	None.	None.	None.
3	Conduct an analysis of the source operation, which demonstrates that the VOC emission rate is in compliance with N.J.A.C. 7:27-16.16. [N.J.A.C. 7:27-16.16(g)1ii]	None.	None.	None.
4	Maintain process records sufficient to demonstrate whether the VOC emission rate of the source operation from actual operations does not exceed the VOC emission rate under worst case operating conditions. [N.J.A.C. 7:27-16.16(g)1ii]	None.	None.	None.
5	VOC (Total) <= 2.01 tons/yr. Annual emission limit based on the cumulative emissions from all 53 vents operating at 8760 hours per year. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
6	Mercury Emissions <= 0.001 tons/yr. Annual emission limit based on the cumulative emissions from all 53 vents operating at 8760 hours per year. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
7	HAPs (Total) <= 0.001 tons/yr. Annual emission limit based on the cumulative emissions from all 53 vents operating at 8760 hours per year. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
8	H2S <= 0.21 tons/yr. Annual emission limit based on the cumulative emissions from all 53 vents operating at 8760 hours per year. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U9 One (1) - Landfill - Legacy landfill that is closed**
Operating Scenario: **OS1 Landfill - legacy landfill that is closed**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	VOC (Total) <= 0.47 lb/hr from all 53 vents combined. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
2	H2S <= 0.0583 lb/hr from all 53 vents combined. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	Mercury Emissions <= 0.00023 lb/hr from all 53 vents combined. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U10 Mobile Ordnance Deformer**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Summary of Federal Applicable Regulations: 40 CFR 60 - Subpart A 40 CFR 60 - Subpart IIII [40 CFR Federal Rules Summary]	None.	None.	None.
2	Opacity <= 20 % , exclusive of visible condensed water vapor, except for a period of not longer than 10 consecutive seconds. [N.J.A.C. 7:27- 3.5]	None.	None.	None.
3	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.
4	Sulfur Content in Fuel <= 15 ppmw (0.0015% by weight). [N.J.A.C. 7:27-9.2(b)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	None.
5	Fuel stored in New Jersey that met the applicable maximum sulfur content standard of Tables 1A or 1B of N.J.A.C. 7:27-9.2 at the time it was stored in New Jersey may be used in New Jersey after the operative date of the applicable standard in Table 1B. [N.J.A.C. 7:27- 9.2(b)]	None.	None.	None.
6	CO <= 0.38 tons/yr. Annual emission limit based on the permitted hours per year of operation. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	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)]
8	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)]
9	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.
10	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.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
11	The owner or operator of a 2014 and later model year non-emergency CI ICE with a displacement of < 10 liters per cylinder and a maximum engine power 75 < = HP < 100 (56 <= kW < 75) must comply with the certification emissions standards in in 40 CFR 1039.101, 40 CFR 1039.102, 40 CFR 1039.104 (interim provisions), 40 CFR 1039.105 (smoke standards), 40 CFR 1039.107, and 40 CFR 1039.115, for the same model year and maximum engine power as follows: NMHC <= 0.14 g/HP-hr, NOx <= 0.30 g/HP-hr, CO <= 3.7 g/HP-hr, PM <= 0.01 g/HP-hr. [40 CFR 60.4204(b)]	Other: The owner or operator of a 2007 model year or later engine must review manufacturer certification showing compliance with the applicable emission standards, for the same model year and maximum engine power, once initially. [40 CFR 60.4211].	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.
12	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. If the manufacturer's emission-related written instructions are not followed, the owner or operator must keep the results of the performance test(s) demonstrating compliance with the applicable emission limits. [40 CFR 60.4206].	None.
13	The owner or operator that must comply with the emission standards specified in 40 CFR 60 Subpart IIII must operate and maintain the stationary CI internal combustion engine and control device according to the manufacturer's written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer. In addition, owners and operators may only change those settings that are permitted by the manufacturer. The owner or operator must also meet the requirements of 40 CFR parts 89, 94 and/or 1068 (General Compliance Provisions), as applicable. [40 CFR 60.4211(a)]	Other: The owner or operator shall review the manufacturer's written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer, once initially. [40 CFR 60.4211(a)].	Other: The owner or operator shall keep the manufacturer's written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer. [40 CFR 60.4211(a)].	None.

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 with a displacement of less than 30 liters per cylinder complying with the emission standards specified in 40 CFR 60.4204(b), must comply by purchasing an engine certified to the emission standards in 40 CFR 60.4204(b) as applicable, for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's emission-related specifications. If the owner/operator does not install, configure, operate, and maintain the engine and control device according to the manufacturer's emission-related written instructions, or you change emission related settings in a way that is not permitted by the manufacturer, you must demonstrate compliance as prescribed in 40 CFR 60.4211(g). [40 CFR 60.4211(c)]	Other: The owner or operator must review documentation once initially from the manufacturer that the engine is certified to meet the emission standards as applicable, for the same model year and maximum engine power. [40 CFR 60.4211(c)].	Other: The owner or operator must keep documentation for the life of the equipment from the manufacturer that the engine is certified to meet the emission standards as applicable, for the same model year and maximum engine power. [40 CFR 60.4211(c)].	None.
15	A new or reconstructed stationary RICE located at an area HAP source must meet the requirements of 40 CFR 63 by meeting the requirements of 40 CFR 60 subpart IIII, for compression ignition engines or 40 CFR 60 subpart JJJJ, for spark ignition engines. No further requirements apply for such engines under 40 CFR 63. [40 CFR 63.6590(c)]	Other: Comply with all applicable provisions at NSPS IIII. [40 CFR 63].	Other: Comply with all applicable provisions at NSPS IIII. [40 CFR 63].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U10 Mobile Ordnance Deformer**
Operating Scenario: **OS1 80 hp Mobile Ordnance Deformer#1**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.34 lb/hr Particulate emission limit from the combustion of fuel, based on the rated heat input of the source:. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Total Hours of Operation <= 2,080 hours per each consecutive 12 month period. [N.J.A.C. 7:27-22.16(a)]	Total Hours of Operation: Monitored by hour/time monitor continuously . [N.J.A.C. 7:27-22.16(o)]	Total Hours of Operation: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. Record the operating time for any 12 consecutive months, computed by adding the hours operated in a given month to that operated in the preceding 11 months. [N.J.A.C. 7:27-22.16(o)]	None.
3	Maximum Gross Heat Input <= 0.56 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
4	Generator fuel limited to diesel fuel. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	Fuel Oil Usage <= 8,502 gallons per each consecutive 12 month period. [N.J.A.C. 7:27-22.16(a)]	Fuel Oil Usage: Monitored by fuel usage totalizing meter continuously, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	Fuel Oil Usage: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. Record the calculated Diesel fuel consumption (gallons) for any 12 consecutive months, computed by adding the fuel consumed in a given month to that consumed in the preceding 11 months. [N.J.A.C. 7:27-22.16(o)]	None.
6	CO <= 0.36 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP < 0.05 lb/hr (below permit reporting threshold). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA (45924)
BOP190004

New Jersey Department of Environmental Protection
Facility Profile (General)

Facility Name (AIMS): JOINT BASE MCGUIRE-DIX-LAKEHURST **Facility ID (AIMS):** 45924

Street Address: 2403 VANDENBERG AVE
787 CES/CEIEC
JB MDL, NJ 08641-5104

Mailing Address: 2403 VANDENBERG AVE
787 CES/CEIEC
2403 VANDENBERG AVE
JB MDL, NJ 08641-5104

State Plane Coordinates:

X-Coordinate:	533,000
Y-Coordinate:	4,429,500
Units:	Meters
Datum:	NAD27
Source Org.:	Other/Unknown
Source Type:	Other/Unknown

County: Burlington

Location Description: Air Force base is located at Wrightstown-Cookstown Road

Industry:

Primary SIC:	9711
Secondary SIC:	
NAICS:	928110

New Jersey Department of Environmental Protection
Facility Profile (General)

Contact Type: Air Permit Information Contact

Organization: USDOD Joint Base McGuire Dix Lakehurst
Org. Type: Federal

Name: Renee Piatt
NJ EIN: 12345678901

Title: Air Compliance Program Manager

Phone: (609) 754-1722 x
Fax: ( ) - x
Other: ( ) - x
Type:
Email: renee.piatt@us.af.mil

Mailing Address: 2404 Vandenberg Avenue
87th CEG/787th CES
B5, 87 CES/787 CES, Environmental Dept
JB MDL, NJ 08641-5104

Contact Type: Emission Statements

Organization: USDOD Joint Base McGuire Dix Lakehurst
Org. Type: Federal

Name: Renee Piatt
NJ EIN: 12345678901

Title: Air Compliance Program Manager

Phone: (609) 754-1722 x
Fax: ( ) - x
Other: ( ) - x
Type:
Email: renee.piatt@us.af.mil

Mailing Address: 2404 Vandenberg Avenue
87th CEG/787th CES
2404 Vandenberg Avenue
JB MDL, NJ 08641-5104

Contact Type: Environmental Officer

Organization: USDOD Joint Base McGuire Dix Lakehurst
Org. Type: Federal

Name: Kristen Jicha
NJ EIN: 12345678901

Title: Chief, Environmental Compliance

Phone: (609) 754-1617 x
Fax: ( ) - x
Other: ( ) - x
Type:
Email: kristen.jicha.1@us.af.mil

Mailing Address: Joint Base McGuire-Dix-Lakehurst
87 CES/787 CES
2404 Vandenberg Avenue
JB MDL, NJ 08641-5104

New Jersey Department of Environmental Protection
Facility Profile (General)

Contact Type: **Fees/Billing Contact**

Organization: USDOD Joint Base McGuire Dix Lakehurst
Org. Type: Federal

Name: Renee Piatt
NJ EIN: 12345678901

Title: Air Compliance Program Manager

Phone: (609) 754-1722 x
Fax: ( ) - x
Other: ( ) - x
Type:
Email: renee.piatt@us.af.mil

Mailing Address:
2404 Vandenberg Avenue
87th CEG/787th CES
2404 Vandenberg Avenue
JB MDL, NJ 08641-5104

Contact Type: **Operator**

Organization: USDOD Joint Base McGuire Dix Lakehurst
Org. Type: Federal

Name: Joint Base MDL
NJ EIN: 12345678901

Title:

Phone: ( ) - x
Fax: ( ) - x
Other: ( ) - x
Type:
Email:

Mailing Address:
2403 Vandenberg Ave
787th CES/CEIEC
87 CEG/CD
JB MDL, NJ 08640-5104

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

Organization: USDOD Joint Base McGuire Dix Lakehurst
Org. Type: Federal

Name: Joint Base MDL
NJ EIN: 12345678901

Title:

Phone: ( ) - x
Fax: ( ) - x
Other: ( ) - x
Type:
Email:

Mailing Address:
2403 Vandenberg Ave
787th CES/CEIEC
87 CEG/CD
JB MDL, NJ 08640-5104

JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA (45924)
BOP190004

New Jersey Department of Environmental Protection
Facility Profile (General)

Contact Type: **Responsible Official**

Organization: USDOD Joint Base McGuire Dix Lakehurst
Org. Type: Federal

Name: Christopher Archer
NJ EIN: 12345678901

Title: Deputy Base Civil Engineer

Phone: (609) 754-2768 x
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Other: ( ) - x
Type:
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2403 Vandenberg Ave - 87 CEG/CD
2401 Vandenberg Ave
JB MDL, NJ 08640-5104

JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA (45924) Date: 11/30/2022
BOP190004

New Jersey Department of Environmental Protection
Non-Source Fugitive Emissions

FG NJID	Description of Activity Causing Emission	Location Description	Reasonable Estimate of Emissions (tpy)								
			VOC (Total)	NOx	CO	SO	TSP (Total)	PM-10	Pb	HAPS (Total)	Other (Total)
FG1	Pesticide	Installation	0.840							0.10000000	
FG2	Misc. Surface Coatings	Various Shops	0.580				0.004	0.002		0.00800000	
FG3	Misc. Solvent Usage	Various Shops	1.030							0.53000000	
FG4	Munitions Firing Activities	Range Area			411.500				0.820	14.32000000	
FG5	Open Detonations	Range Area			0.210						
FG6	Unpaved Road Dusts	Range Area					1.840	0.660			
FG8	Controlled Burns	Range Area	264.090	43.720	1,543.510		187.360				
Total			266.540	43.720	1,955.220	0.000	189.204	0.662	0.820	14.95800000	0.000

JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA (45924)
BOP190004

Date: 11/30/2022

New Jersey Department of Environmental Protection
Insignificant Source Emissions

IS NJID	Source/Group Description	Equipment Type	Location Description	Estimate of Emissions (tpy)								
				VOC (Total)	NOx	CO	SO	TSP	PM-10	Pb	HAPS (Total)	Other (Total)
IS1	Emergency Generators - Diesel Fuel (< 1 MMBtu/hr)	Emergency Generator	Facility-wide. List of locations kept on site.	0.186	2.343	0.505	0.009	0.165	0.165	0.000	0.00306000	0.000
IS2	Boilers - Natural Gas Fired (< 1 MMBtu/hr)	Boiler	Facility-wide. List of locations kept on site.	3.091	56.206	47.213	0.337	4.272	4.272	0.000	0.05305430	0.000
IS3	Boilers - Fuel Oil #2 Fired (< 1 MMBtu/hr)	Boiler	Facility-wide. List of locations kept on site.	0.108	6.341	1.590	0.590	0.634	0.342	0.000	0.01301145	0.000
IS4	Space and Hot Water Heaters - Natural Gas Fired (< 1 MMBtu/hr)	Fuel Combustion Equipment (Other)	Facility-wide. List of locations kept on site.	0.642	11.673	9.806	0.070	0.887	0.887	0.000	0.22037305	0.000
IS5	Space and Hot Water Heaters - Fuel Oil #2 Fired (< 1 MMBtu/hr)	Fuel Combustion Equipment (Other)	Facility-wide. List of locations kept on site.	0.405	23.851	5.630	2.922	2.385	1.288	0.000	0.04894096	0.000
IS6	USTs - Diesel/Fuel Oil #2 Storage (<= 10,000 gallons)	Storage Vessel	Facility-wide. List of locations kept on site.	0.149								
IS7	ASTs - Waste Oil (<=10,000 gallons)	Storage Vessel	Facility-wide. List of locations kept on site.	0.001								
IS8	ASTs - Diesel/Fuel Oil #2 (<= 10,000 gallons capacity)	Storage Vessel	Facility-wide. List of locations kept on site.	0.005								
IS9	ASTs - Gasoline (< 2,000 gallons)	Storage Vessel	Facility-wide. List of locations kept on site.	0.011								

JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA (45924)
BOP190004

Date: 11/30/2022

New Jersey Department of Environmental Protection
Insignificant Source Emissions

IS NJID	Source/Group Description	Equipment Type	Location Description	Estimate of Emissions (tpy)								
				VOC (Total)	NOx	CO	SO	TSP	PM-10	Pb	HAPS (Total)	Other (Total)
IS10	ASTs - Used Oil (<=10,000 gallons)	Storage Vessel	Facility-wide. List of locations kept on site.	0.001								
IS11	ASTs - Used Antifreeze (< 2,000 gallons)	Storage Vessel	Facility-wide. List of locations kept on site.	0.000								
IS12	Aluminum Sulfate/Treatment AST (7,000 gallon)	Other Equipment	Bldg. 99	0.002								
IS13	Tertiary Wastewater Treatment Plant with Odor Control System (TXS concentration <100 ppbw; VOC concentration <3,500 ppbw)	Other Equipment	WWTP	1.100								
IS14	Parts Washers (top opening <= 6 sq. ft., <= 100 gal capacity, < 5% VOC solvents)	Cleaning Machine (Open Top: Cold)	Facility-wide. List of locations kept on site.	2.640								
IS16	Paint Spray Booths (<= 0.5 gal/hr and <= 2.5 gal/day)	Surface Coating Equipment (Non-Fabric Material)	Bldg. 4401	1.677								

JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA (45924)
BOP190004

Date: 11/30/2022

New Jersey Department of Environmental Protection
Insignificant Source Emissions

IS NJID	Source/Group Description	Equipment Type	Location Description	Estimate of Emissions (tpy)								
				VOC (Total)	NOx	CO	SO	TSP	PM-10	Pb	HAPS (Total)	Other (Total)
IS17	Two (2) Carpentry Shop @ Bldg. 5348 and 9003. (raw material used <=50 lb/hr)	Other Equipment	Bldg. 5348, 9003					0.000	0.003			
Total				10.018	100.414	64.744	3.928	8.343	6.957	0.000	0.33843976	0.000

JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA (45924) Date: 11/30/2022

BOP190004

New Jersey Department of Environmental Protection
Equipment Inventory

Equip. NJID	Facility's Designation	Equipment Description	Equipment Type	Certificate Number	Install Date	Grand-Fathered	Last Mod. (Since 1968)	Equip. Set ID
E5	Bldg 2113	1.01 MMBTU/hr (HHV) Boiler	Boiler		12/1/2018			
E6	DEG155@B56	1.66 MMBTU/hr (HHV) Emerg. Gen. (177 kW)	Emergency Generator	BOP190003	8/15/2019			
E7	NGBlr1@B565	2 MMBTU/hr (HHV) Boiler	Boiler	BOP190005	10/24/2007			
E8	NGBlr2@B565	2 MMBTU/hr (HHV) Boiler	Boiler	BOP190006	10/24/2007			
E9	NGBlr3@B565	2 MMBTU/hr (HHV) Boiler	Boiler	BOP190008	10/24/2007			
E14	NGBlr1@B565	1.3 MMBTU/hr (HHV) Boiler	Boiler	BOP190007	10/11/2002			
E18	NGBlr2@B565	1.3 MMBTU/hr (HHV) Boiler	Boiler	BOP190009	10/11/2002			
E23	NGBlr3@B565	1.3 MMBTU/hr (HHV) Boiler	Boiler	BOP190010	10/11/2002			
E28	NGBlr4@B565	1.3 MMBTU/hr (HHV) Boiler	Boiler	BOP190011	10/11/2002			
E29	NGBlr@B5654	1.25 MMBTU/hr (HHV) Boiler	Boiler	BOP190012	6/1/2009			
E35	NGBlr@B6915	1.0 MMBTU/hr (HHV) Boiler	Boiler	BOP190013	10/11/2002			
E40	NGBlr1@B598	1.38 MMBTU/hr (HHV) Boiler	Boiler	BOP190014	7/1/2010			
E41	NGBlr1@B590	1.38 MMBTU/hr (HHV) Boiler	Boiler	BOP190015	7/1/2010			
E43	NGBlr@B5340	1.04 MMBTU/hr (HHV) Boiler	Boiler	BOP200001	1/1/2008			
E44	Gas#1U@B536	10,000-gallon UST #1, Gasoline @ B5360	Storage Vessel	76495		No		
E45	Gas#2U@B536	10,000-gallon UST #2, Gasoline @ B5360	Storage Vessel	76495		No		
E46	Gas#3U@B536	10,000-gallon UST #3, Gasoline @ B5360	Storage Vessel	76495		No		

New Jersey Department of Environmental Protection
Equipment Inventory

Equip. NJID	Facility's Designation	Equipment Description	Equipment Type	Certificate Number	Install Date	Grand-Fathered	Last Mod. (Since 1968)	Equip. Set ID
E47	Gas#4U@B536	10,000-gallon UST #4, Gasoline @ B5360	Storage Vessel	76495		No		
E48	Gas#5U@B536	10,000-gallon UST #5, Gasoline @ B5360	Storage Vessel	76495		No		
E50	NGBlr@B5341	1.04 MMBTU/hr (HHV) Boiler	Boiler	BOP200002	1/1/2008			
E51	NGBlr@B5359	1.04 MMBTU/hr (HHV) Boiler	Boiler	BOP200003	1/1/1986			
E52	DEG100@B33	1.38 MMBTU/hr (HHV) Emerg. Gen. (148 kW)	Emergency Generator		7/19/2021			
E53	DEG260@RNC	4.70 MMBTU/hr (HHV) Emerg. Gen. (285 kW)	Emergency Generator	BOP210004	10/13/2021			
E68	DEG#1@B435	1000 kW (10.7 MMBtu/hr) Diesel EmGen #1 @ B4357	Emergency Generator	105259		No		
E69	DEG#2@B435	1000 kW (10.7 MMBtu/hr) Diesel EmGen #2 @ B4357	Emergency Generator	105260		No		
E74	Landfill	Landfill	Landfill	PCP960045		No		
E75	FO2Blr@B313	1.904 MMBtu/hr FO#2 Boiler @ B3130	Boiler			Yes		
E82	NGBlr@B5254	1.674 MMBtu/hr NG Boiler @ B5254	Boiler	PCP980035		No		
E87	FO2Blr@B534	1.904 MMBtu/hr FO#2 Boiler @ B5344	Boiler	PCP980040		No		
E88	FO2Blr@B534	1.05 MMBtu/hr FO#2 Boiler @ B5345	Boiler			Yes		
E90	NGBlr@B5901	2.497 MMbtu/hr Boiler @ 5901	Boiler	PCP980041		No		

New Jersey Department of Environmental Protection
Equipment Inventory

Equip. NJID	Facility's Designation	Equipment Description	Equipment Type	Certificate Number	Install Date	Grand-Fathered	Last Mod. (Since 1968)	Equip. Set ID
E96	DEG400@B92	400 kW (4.263 MMBtu/hr) Diesel EmGen @ B92	Emergency Generator	PCP980013		No		
E98	DEG200@B11	200 kW (7.435 MMBtu/hr) Diesel EmGen @ B1190	Emergency Generator	PCP980015		No		
E102	DEG750@B55	750 kW (7.1 MMBtu/hr) Diesel EmGen @ B5543	Emergency Generator	PCP980019		No		
E104	DEG200@B52	200 kW (2.4 MMBtu/hr) Diesel EmGen @ B5280	Emergency Generator	PCP980020		No		
E111	DEG350@B70	275 kW (3.7 MMBtu/hr) Diesel EmGen @ B7061	Emergency Generator	PCP980026		No		
E120	FO2UST@B53	25,000-gallon UST, Diesel Fule Oil @ B5374	Storage Vessel	PCP980030		No		
E133	DEG210@B53	275 kW (4.26 MMBtu/hr) Diesel EmGen @ B5321	Emergency Generator	PCP980028		No		
E135	GasUST@B53	25,000-gallon UST, Gasoline @ B5374	Storage Vessel	PCP980030		No		
E147	NGBlr1@B541	1.674 MMBtu/hr NG Boiler #1 @ B5418	Boiler	BOP020001	5/1/2001	No		
E148	NGBlr2@B541	1.674 MMBtu/hr NG Boiler #2 @ B5418	Boiler	BOP020001	5/1/2001	No		
E149	NGBlr3@B541	1.674 MMBtu/hr NG Boiler #3 @ B5418	Boiler	BOP020001	5/1/2001	No		
E150	NGBlr1@B545	1.386 MMBtu/hr NG Boiler #1 @ B5455	Boiler	BOP020001	9/1/2000	No		

New Jersey Department of Environmental Protection
Equipment Inventory

Equip. NJID	Facility's Designation	Equipment Description	Equipment Type	Certificate Number	Install Date	Grand-Fathered	Last Mod. (Since 1968)	Equip. Set ID
E151	NGBlr2@B545	1.379 MMBtu/hr NG Boiler #2 @ B5455	Boiler	BOP020001	9/1/2000	No		
E152	NGBlr1@B550	1.386 MMBtu/hr NG Boiler #1 @ B5505	Boiler	BOP020001	9/1/2000	No		
E153	NGBlr2@B550	1.386 MMBtu/hr NG Boiler #2 @ B5505	Boiler	BOP020001	9/1/2000	No		
E157	NGBlr1@B561	1.5 MMBtu/hr NG Boiler #1 @ B5610	Boiler	BOP020001	9/1/2000	No		
E161	NGBlr2@B590	1.386 MMBtu/hr NG Boiler #2 @ B5904	Boiler	BOP150001		No		
E165	NGBlr@B5953	3.103 MMBtu/hr NG Boiler @ B5953	Boiler	BOP020001	9/1/2000	No		
E166	PB@B8304	Paint Booth in B8304	Surface Coating Equipment (Non-Fabric Material)	BOP080001	7/1/2002	No	2/1/2008	
E167	NGHrt1@B830	3.11 MMBtu/hr NG Direct Fired Gas Heater Air Make-up Unit @ B8304	Process Heater	BOP020001	7/1/2002	No		
E168	Blast@B8304	Abrasive Blaster	Other Equipment	BOP020001	7/1/2002	No		
E169	NGBlr1@B513	2.08 MMBtu/hr NG Boiler #1 @ B5139	Boiler	BOP040001	12/1/2002	No		
E170	NGBlr2@B513	2.08 MMBtu/hr NG Boiler #2 @ B5139	Boiler	BOP040001	12/1/2002	No		
E171	NGBlr@B99	1.082 MMBtu/hr NG Boiler @ B99	Boiler	BOP040001	6/20/2003	No		

New Jersey Department of Environmental Protection
Equipment Inventory

Equip. NJID	Facility's Designation	Equipment Description	Equipment Type	Certificate Number	Install Date	Grand-Fathered	Last Mod. (Since 1968)	Equip. Set ID
E174	FO2Blr@B534	1.82 MMBtu/hr FO#2 Boiler @ B5348	Boiler	BOP070003		No		
E175	NGHWH@B54	1.05 MMBtu/hr NG Hot Water Heater @ B5404	Fuel Combustion Equipment (Other)	BOP070003	8/1/2003	No		
E176	NGBlr1@B540	1.0 MMBtu/hr NG Boiler #1 @ B5405	Boiler	BOP070003	9/1/2004	No		
E177	NGBlr2@B540	1.0 MMBtu/hr NG Boiler #2 @ B5405	Boiler	BOP070003	8/1/2004	No		
E178	NGHWH@B54	1.05 MMBtu/hr NG Water Heater @ B5405	Fuel Combustion Equipment (Other)	BOP070003	10/1/2003	No		
E179	NGBlr1@B540	1.05 MMBtu/hr NG Boiler #1 @ B5406	Boiler	BOP070003	10/1/2003	No		
E180	NGBlr2@B540	1.05 MMBtu/hr NG Boiler #2 @ B5406	Boiler	BOP070003	10/1/2003	No		
E181	NGBlr3@B540	1.35 MMBtu/hr NG Boiler #3 @ B5406	Boiler	BOP070003	8/1/2003	No		
E182	NGBlr1@B544	1.00 MMBtu/hr NG Boiler #1 @ B5441	Boiler	BOP070003	1/1/2005	No		
E183	NGBlr2@B544	1.00 MMBtu/hr NG Boiler #2 @ B5441	Boiler	BOP070003	1/1/2005	No		
E184	NGBlr3@B544	1.00 MMBtu/hr NG Boiler #3 @ B5441	Boiler	BOP070003	1/1/2005	No		
E185	NGBlr1@B551	1.00 MMBtu/hr NG Boiler #1 @ B5519	Boiler	BOP070003	3/27/2001	No		

New Jersey Department of Environmental Protection
Equipment Inventory

Equip. NJID	Facility's Designation	Equipment Description	Equipment Type	Certificate Number	Install Date	Grand-Fathered	Last Mod. (Since 1968)	Equip. Set ID
E186	NGBlr2@B551	1.00 MMBtu/hr NG Boiler #2 @ B5519	Boiler	BOP070003	3/27/2001	No		
E187	NGHWH1@56	1.44 MMBtu/hr NG Hot Water Heater @ B5610	Fuel Combustion Equipment (Other)	BOP070003	10/1/2003	No		
E188	NGHWH1@56	1.44 MMBtu/hr NG Hot Water Heater @ B5640	Fuel Combustion Equipment (Other)	BOP070003	10/1/2003	No		
E189	NGBlr1@B564	1.81 MMBtu/hr NG Boiler #1 @ B5645	Boiler	BOP070003	1/1/1999	No		
E190	NGBlr2@B564	1.81 MMBtu/hr NG Boiler #2 @ B5645	Boiler	BOP070003	1/1/1999	No		
E194	NGBlr2@B598	1.386 MMBtu/hr NG Boiler #2 @ B5986	Boiler	BOP070003	12/1/2001	No		
E196	FO2Blr@B650	1.904 MMBtu/hr FO#2 Boiler @ B6501B	Boiler	BOP070003	12/1/1999	No		
E199	NGBlr1@B523	2.836 MMBTU/hr NG Boiler #1 @ B5231	Boiler	BOP090002	1/1/2009	No		
E200	NGBlr2@B523	2.836 MMBTU/hr NG Boiler #2 @ B5231	Boiler	BOP090002	1/1/2009	No		
E201	NGBlr1@B440	3.0 MMBTU/hr NG Boiler #1 @ B4401	Boiler	BOP090002	9/1/2009	No		
E202	NGBlr2@B440	3.0 MMBTU/hr NG Boiler #2 @ B4401	Boiler	BOP090002	9/1/2009	No		
E203	NGBlr3@B440	3.0 MMBTU/hr NG Boiler #3 @ B4401	Boiler	BOP090002	9/1/2009	No		

New Jersey Department of Environmental Protection
Equipment Inventory

Equip. NJID	Facility's Designation	Equipment Description	Equipment Type	Certificate Number	Install Date	Grand-Fathered	Last Mod. (Since 1968)	Equip. Set ID
E204	DEG250@543	250 kW (2.41 MMBtu/hr) Diesel EmGen @ B5435	Emergency Generator		8/1/2010			
E205	NGHTR@B84	3.75 MMBtu/hr NG Heater @ B8411	Fuel Combustion Equipment (Other)		2/28/2011	No		
E206	PB@B8304	Paint Booth in B8304	Surface Coating Equipment (Non-Fabric Material)		2/28/2011	No		
E207	NGHTR2@B8	3.11 MMBtu/hr NG Direct Fired Gas Heater Air Make-up Unit @ B8304	Process Heater		2/28/2011	No		
E209	DEG180@B85	180 kW (1.86 MMBtu/hr) Diesel EmGen @ B8534	Emergency Generator		10/31/2011	No		
E210	DEG125@B85	125 kW (1.36 MMBtu/hr) Diesel EmGen @ B8531	Emergency Generator		10/31/2011	No		
E211	DEG250@B56	250 kW (2.63 MMBtu/hr) Diesel EmGen @ B5632	Emergency Generator		8/1/2007	No		
E212	DEG250@B55	250 kW (2.63 MMBtu/hr) Diesel EmGen @ B5523	Emergency Generator		8/1/1996	No		
E213	DEG400@B59	400 kW (4.37 MMBtu/hr) Diesel EmGen @ B5951	Emergency Generator		10/31/2011	No		
E214	DEG150@B54	160 kW (1.64 MMBtu/hr) Diesel EmGen @ 5417	Emergency Generator		3/1/2006	No		
E215	DEG400@B56	400 kW (3.62 MMBtu/hr) Diesel EmGen @ B5631	Emergency Generator		3/1/2012	No		

New Jersey Department of Environmental Protection
Equipment Inventory

Equip. NJID	Facility's Designation	Equipment Description	Equipment Type	Certificate Number	Install Date	Grand-Fathered	Last Mod. (Since 1968)	Equip. Set ID
E216	DEG1500@B4	1500 kW (14.988 MMBut/hr) Diesel EmGen @ B4403	Emergency Generator		12/1/2010	No		
E217	DEG100@B90	100 kW (1.12 MMBtu/hr) Diesel EmGen @ B9013	Emergency Generator		2/28/2013	No		
E219	NGBlr@B5612	1.0 MMBtu/hr NG Boiler @ B5612	Boiler	BOP150001		No		
E220	NGBlr@B5503	1.0 MMBtu/hr NG Boiler @ B5503	Boiler	BOP150001		No		
E221	NGBlr1@B604	1.5 MMBtu/hr NG Boiler #1 @ B6043	Boiler	BOP150001		No		
E222	NGBlr2@B604	1.5 MMBtu/hr NG Boiler #2 @ B6043	Boiler	BOP150001		No		
E223	NGBlr1@B564	1.23 MMBtu/hr NG Boiler #1 @ B5640	Boiler	BOP150001		No		
E224	NGBlr2@B564	1.379 MMBtu/hr NG Boiler #2 @ B5640	Boiler	BOP150001		No		
E225	NGBlr2@B603	2.74 MMBtu/hr NG Boiler @ B6039	Boiler	BOP150001		No		
E226	NGBlr1@B861	2.0 MMBtu/hr NG Boiler #1 @ B8610	Boiler	BOP150001		No		
E227	NGBlr2@B861	2.0 MMBtu/hr NG Boiler #2 @ B8610	Boiler	BOP150001		No		
E228	FO2Blr@B810	1.36 MMBtu/hr FO#2 Boiler #1 @ B8102	Boiler	BOP150001		No		

New Jersey Department of Environmental Protection
Equipment Inventory

Equip. NJID	Facility's Designation	Equipment Description	Equipment Type	Certificate Number	Install Date	Grand-Fathered	Last Mod. (Since 1968)	Equip. Set ID
E229	FO2Blr@B810	1.36 MMBtu/hr FO#2 Boiler #2 @ B8102	Boiler	BOP150001		No		
E230	GASAST@B31	2000-gallons Gasoline Aboveground Storage Tank (AST) @ B3151	Storage Vessel	BOP150001		No		
E231	DEG100@B58	100 kW (1.15 MMBtu/hr) Diesel EmGen @ B5860	Emergency Generator		6/8/2015			
E233	Remed-NW044	NW044 - Catalytic Oxidizer/Carbon Adsorption	Soil Venting Equipment		9/30/2015	No		
E234	Remed-TU019a	TU019a - Catalytic Oxidizer/Carbon Adsorption	Soil Venting Equipment		9/30/2015	No		
E235	NGBlr@B2101	1.529 MMBtu/hr NG Boiler @ B2101	Boiler			No		
E236	NGBlr@B5320	1.53 MMBtu/hr NG Boiler @ B5320	Boiler			No		
E237	NGBlr2@B561	1.5 MMBtu/hr NG Boiler #2 @ B5610	Boiler			No		
E239	D#1EG125@R	125 kW (1.17 MMBtu/hr) Diesel EmGen #1 @ Range 1	Emergency Generator		8/15/2016			
E240	D#2EG125@R	125 kW (1.17 MMBtu/hr) Diesel EmGen #2 @ Range 1	Emergency Generator		8/15/2016			
E241	DEG100@R1	100 kW (1.19 MMBtu/hr) Diesel EmGen @ Range 1	Emergency Generator		8/15/2016			
E245	DEG180@B58	180kW (1.89 MMBtu/hr) Diesel EmGen #4 @ Well#4	Emergency Generator		9/18/2017			

New Jersey Department of Environmental Protection
Equipment Inventory

Equip. NJID	Facility's Designation	Equipment Description	Equipment Type	Certificate Number	Install Date	Grand-Fathered	Last Mod. (Since 1968)	Equip. Set ID
E246	DEG180@B42	180 kW (1.89 MMBtu/hr) Diesel EmGen @ B4295	Emergency Generator		9/18/2017			
E247	DEG154@B96	154 kW (1.65 MMBtu/hr) Diesel EmGen @ B9691	Emergency Generator		11/1/2017			
E248	EOD S/B1	80 hp Mobile Ordnance Deformer#1	Fuel Combustion Equipment (Other)	BOP190001	10/1/2018			
E250	DEG150@B83	1.60 MMBTU/hr (HHV) Emerg. Gen. (177 kW)	Emergency Generator	BOP210001	5/26/2021			

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E6 (Emergency Generator)
Print Date: 6/24/2022

Make:	Kohler
Manufacturer:	John Deere (2007)
Model:	150REOZJD (2007) Model Year
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	1.66
Will the equipment be used in excess of 500 hours per year?	◯ Yes ◯ No
Have you attached a diagram showing the location and/or the configuration of this equipment?	◯ Yes ◯ No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	◯ Yes ◯ No
Comments:	177 kW 237 HP Displacement per cylinder: 1.13 L

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E7 (Boiler)
Print Date: 6/24/2022

Make:	RBI
Manufacturer:	RBI
Model:	MB 2000
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	2.00
Boiler Type:	Package
Utility Type:	
Output Type:	
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	

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

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

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

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

Comments:

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E5 (Boiler)
Print Date: 6/24/2022

Make:	Weil-McLain
Manufacturer:	Weil-McLain
Model:	88 Series 2
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.01
Boiler Type:	Package
Utility Type:	
Output Type:	
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	

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

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

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

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

Comments:

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E8 (Boiler)
Print Date: 6/24/2022

Make:	RBI
Manufacturer:	RBI
Model:	MB 2000
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	2.00
Boiler Type:	Package
Utility Type:	
Output Type:	
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	

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

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

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

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

Comments:

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E9 (Boiler)
Print Date: 6/24/2022

Make:	RBI
Manufacturer:	RBI
Model:	MB 2000
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	2.00
Boiler Type:	Package
Utility Type:	
Output Type:	
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	

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

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

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

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

Comments:

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E14 (Boiler)
Print Date: 6/24/2022

Make:	A.O. Smith
Manufacturer:	A.O. Smith
Model:	200 GW 1300
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.30
Boiler Type:	Package
Utility Type:	
Output Type:	
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	

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

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

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

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

Comments:

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E18 (Boiler)
Print Date: 6/24/2022

Make:	A.O. Smith
Manufacturer:	A.O. Smith
Model:	200 GW 1300
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.30
Boiler Type:	Package
Utility Type:	
Output Type:	
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	

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

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

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

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

Comments:

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E23 (Boiler)
Print Date: 6/24/2022

Make:	A.O. Smith
Manufacturer:	A.O. Smith
Model:	200 GW 1300
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.30
Boiler Type:	Package
Utility Type:	
Output Type:	
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	

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

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

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

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

Comments:

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E28 (Boiler)
Print Date: 6/24/2022

Make:	A.O. Smith
Manufacturer:	A.O. Smith
Model:	200 GW 1300
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.30
Boiler Type:	Package
Utility Type:	
Output Type:	
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	

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

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

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

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

Comments:

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E29 (Boiler)
Print Date: 6/24/2022

Make:	RBI Heating Boiler
Manufacturer:	RBI Heating Boiler
Model:	MB 1250
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.25
Boiler Type:	Package
Utility Type:	
Output Type:	
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	

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

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

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

Comments:

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E35 (Boiler)
Print Date: 6/24/2022

Make:	A.O. Smith
Manufacturer:	A.O. Smith
Model:	GB300-S/W-ZINT
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.00
Boiler Type:	Package
Utility Type:	
Output Type:	
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	

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

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

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

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

Comments:

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E40 (Boiler)
Print Date: 6/24/2022

Make:	Burnham Corp
Manufacturer:	Burnham Corp
Model:	V908A
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.38
Boiler Type:	Package
Utility Type:	
Output Type:	
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	

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

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

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

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

Comments:

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E41 (Boiler)
Print Date: 6/24/2022

Make:	Burnham Corp
Manufacturer:	Burnham Corp
Model:	V908A
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.38
Boiler Type:	Package
Utility Type:	
Output Type:	
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	

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

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

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

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

Comments:

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E43 (Boiler)
Print Date: 6/24/2022

Make:	Weil-McLain
Manufacturer:	Weil-McLain
Model:	LGB 9 Series 2
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.04
Boiler Type:	Package
Utility Type:	
Output Type:	
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	

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

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

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

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

Comments:

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E44 (Storage Vessel)
Print Date: 6/24/2022

What type of contents is this storage vessel equipped to contain by design?	Liquids Only
Storage Vessel Type:	Tank
Design Capacity:	10,000
Units:	gallons
Ground Location:	Below Ground
Is the Shell of the Equipment Exposed to Sunlight?	No
Shell Color:	
Description (if other):	
Shell Condition:	
Paint Condition:	
Shell Construction:	
Is the Shell Insulated?	
Type of Insulation:	
Insulation Thickess (in):	
Thermal Conductivity of Insulation [(BTU)(in)(hr)(ft2)(deg F)]:	
Shape of Storage Vessel:	Cylindrical
Shell Height (From Ground to Roof Bottom) (ft):	8.00
Length (ft):	26.50
Width (ft):	
Diameter (ft):	8.00
Other Dimension	
Description:	
Value:	
Units:	
Fill Method:	Submerged
Description (if other):	
Maximum Design Fill Rate:	300.00
Units:	gal/min
Does the storage vessel have a roof or an open top?	Roof
Roof Type:	Vertical fixed roof tank
Roof Height (From Roof Bottom to Roof Top) (ft):	8.00
Roof Construction:	
Primary Seal Type:	
Secondary Seal Type:	
Total Number of Seals:	
Roof Support:	
Does the storage vessel have a Vapor Return Loop?	Yes

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E44 (Storage Vessel)
Print Date: 6/24/2022

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?	No

Comments:

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E45 (Storage Vessel)
Print Date: 6/24/2022

What type of contents is this storage vessel equipped to contain by design?	Liquids Only
Storage Vessel Type:	Tank
Design Capacity:	10,000
Units:	gallons
Ground Location:	Below Ground
Is the Shell of the Equipment Exposed to Sunlight?	No
Shell Color:	
Description (if other):	
Shell Condition:	
Paint Condition:	
Shell Construction:	
Is the Shell Insulated?	
Type of Insulation:	
Insulation Thickess (in):	
Thermal Conductivity of Insulation [(BTU)(in)(hr)(ft2)(deg F)]:	
Shape of Storage Vessel:	Cylindrical
Shell Height (From Ground to Roof Bottom) (ft):	8.00
Length (ft):	26.50
Width (ft):	
Diameter (ft):	8.00
Other Dimension	
Description:	
Value:	
Units:	
Fill Method:	Submerged
Description (if other):	
Maximum Design Fill Rate:	300.00
Units:	gal/min
Does the storage vessel have a roof or an open top?	Roof
Roof Type:	Vertical fixed roof tank
Roof Height (From Roof Bottom to Roof Top) (ft):	8.00
Roof Construction:	
Primary Seal Type:	
Secondary Seal Type:	
Total Number of Seals:	
Roof Support:	
Does the storage vessel have a Vapor Return Loop?	Yes
Does the storage vessel	

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E45 (Storage Vessel)
Print Date: 6/24/2022

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?	No

Comments:

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E46 (Storage Vessel)
Print Date: 6/24/2022

What type of contents is this storage vessel equipped to contain by design?	Liquids Only
Storage Vessel Type:	Tank
Design Capacity:	10,000
Units:	gallons
Ground Location:	Below Ground
Is the Shell of the Equipment Exposed to Sunlight?	No
Shell Color:	
Description (if other):	
Shell Condition:	
Paint Condition:	
Shell Construction:	
Is the Shell Insulated?	
Type of Insulation:	
Insulation Thickess (in):	
Thermal Conductivity of Insulation [(BTU)(in)(hr)(ft2)(deg F)]:	
Shape of Storage Vessel:	Cylindrical
Shell Height (From Ground to Roof Bottom) (ft):	8.00
Length (ft):	26.50
Width (ft):	
Diameter (ft):	8.00
Other Dimension	
Description:	
Value:	
Units:	
Fill Method:	Submerged
Description (if other):	
Maximum Design Fill Rate:	300.00
Units:	gal/min
Does the storage vessel have a roof or an open top?	Roof
Roof Type:	Vertical fixed roof tank
Roof Height (From Roof Bottom to Roof Top) (ft):	8.00
Roof Construction:	
Primary Seal Type:	
Secondary Seal Type:	
Total Number of Seals:	
Roof Support:	
Does the storage vessel have a Vapor Return Loop?	Yes
Does the storage vessel	

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E46 (Storage Vessel)
Print Date: 6/24/2022

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?	No
Comments:	

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E47 (Storage Vessel)
Print Date: 6/24/2022

What type of contents is this storage vessel equipped to contain by design?	Liquids Only
Storage Vessel Type:	Tank
Design Capacity:	10,000
Units:	gallons
Ground Location:	Below Ground
Is the Shell of the Equipment Exposed to Sunlight?	No
Shell Color:	
Description (if other):	
Shell Condition:	
Paint Condition:	
Shell Construction:	
Is the Shell Insulated?	
Type of Insulation:	
Insulation Thickess (in):	
Thermal Conductivity of Insulation [(BTU)(in)(hr)(ft2)(deg F)]:	
Shape of Storage Vessel:	Cylindrical
Shell Height (From Ground to Roof Bottom) (ft):	8.00
Length (ft):	26.50
Width (ft):	
Diameter (ft):	8.00
Other Dimension	
Description:	
Value:	
Units:	
Fill Method:	Submerged
Description (if other):	
Maximum Design Fill Rate:	300.00
Units:	gal/min
Does the storage vessel have a roof or an open top?	Roof
Roof Type:	Vertical fixed roof tank
Roof Height (From Roof Bottom to Roof Top) (ft):	8.00
Roof Construction:	
Primary Seal Type:	
Secondary Seal Type:	
Total Number of Seals:	
Roof Support:	
Does the storage vessel have a Vapor Return Loop?	Yes

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E47 (Storage Vessel)
Print Date: 6/24/2022

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?	No

Comments:

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E48 (Storage Vessel)
Print Date: 6/24/2022

What type of contents is this storage vessel equipped to contain by design?	Liquids Only
Storage Vessel Type:	Tank
Design Capacity:	10,000
Units:	gallons
Ground Location:	Below Ground
Is the Shell of the Equipment Exposed to Sunlight?	No
Shell Color:	
Description (if other):	
Shell Condition:	
Paint Condition:	
Shell Construction:	
Is the Shell Insulated?	
Type of Insulation:	
Insulation Thickess (in):	
Thermal Conductivity of Insulation [(BTU)(in)(hr)(ft2)(deg F)]:	
Shape of Storage Vessel:	Cylindrical
Shell Height (From Ground to Roof Bottom) (ft):	8.00
Length (ft):	26.50
Width (ft):	
Diameter (ft):	8.00
Other Dimension	
Description:	
Value:	
Units:	
Fill Method:	Submerged
Description (if other):	
Maximum Design Fill Rate:	300.00
Units:	gal/min
Does the storage vessel have a roof or an open top?	Roof
Roof Type:	Vertical fixed roof tank
Roof Height (From Roof Bottom to Roof Top) (ft):	8.00
Roof Construction:	
Primary Seal Type:	
Secondary Seal Type:	
Total Number of Seals:	
Roof Support:	
Does the storage vessel have a Vapor Return Loop?	Yes
Does the storage vessel	

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E48 (Storage Vessel)
Print Date: 6/24/2022

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?	No

Comments:

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E50 (Boiler)
Print Date: 6/24/2022

Make:	Weil-McLain
Manufacturer:	Weil-McLain
Model:	LGB 9 Series 2
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.04
Boiler Type:	Package
Utility Type:	
Output Type:	
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	

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

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

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

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

Comments:

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E51 (Boiler)
Print Date: 6/24/2022

Make:	Hydrotherm
Manufacturer:	Hydrotherm
Model:	MR1500
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.04
Boiler Type:	Package
Utility Type:	
Output Type:	
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	

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

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

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

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

Comments:

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E52 (Emergency Generator)
Print Date: 6/24/2022

Make:	Generac
Manufacturer:	Generac (2021)
Model:	SD100 (2021) Model Year
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	1.38
Will the equipment be used in excess of 500 hours per year?	○ Yes ○ No
Have you attached a diagram showing the location and/or the configuration of this equipment?	○ Yes ○ No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	○ Yes ○ No
Comments:	148 kW 198 HP Displacement per cylinder: 1.12 L

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E53 (Emergency Generator)
Print Date: 6/24/2022

Make:	Volvo
Manufacturer:	Volvo (2018)
Model:	TAD1371-75VE (2019) Model Year
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	4.70
Will the equipment be used in excess of 500 hours per year?	○ Yes ○ No
Have you attached a diagram showing the location and/or the configuration of this equipment?	○ Yes ○ No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	○ Yes ○ No
Comments:	285 kW 388 HP Displacement per cylinder: 2.13 L

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E68 (Emergency Generator)
Print Date: 6/24/2022

Make:	Detroit Diesel
Manufacturer:	Kohler Generator
Model:	1000R0ZD71, SNO: 352503
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	10.70
Will the equipment be used in excess of 500 hours per year?	○ Yes ● No
Have you attached a diagram showing the location and/or the configuration of this equipment?	○ Yes ● No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	○ Yes ● No
Comments:	

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E69 (Emergency Generator)
Print Date: 6/24/2022

Make:	Detroit Diesel
Manufacturer:	Kohler Generator
Model:	1000R0ZD71, SNO: 352502
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	10.07
Will the equipment be used in excess of 500 hours per year?	○ Yes ● No
Have you attached a diagram showing the location and/or the configuration of this equipment?	○ Yes ● No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	○ Yes ● No
Comments:	

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E74 (Landfill)
Print Date: 6/24/2022

Solid Waste Facility Permit Number:	PI45924
Year Opened:	1968
Solid Waste Facility Permit Issuance Date:	
Expected Year of Closure:	1984
Actual Year of Closure:	1984
Total Design Area (acres):	130.0
Total Design Capacity (million megagrams):	
Active Area (acres):	
Capped Area (acres):	50.0
Is the Landfill Lined?	○ Yes ● No
Was the site used for the disposal of Hazardous Waste?	● Yes ○ No
Was there ever co-disposal of Industrial Waste or reason to believe that the Waste Stream into the Landfill contained large Waste or volatile compounds from commercial sources?	○ Yes ● No
Maximum Estimated Landfill Gas Generation Rate during the life of the Landfill (ft^3/yr):	
Model used to estimate Landfill Gas Production:	USEPA's Landfill Air Emissions Model Version 1.1
Is there a Landfill Gas Pre-Treatment System?	○ Yes ● No
Method of Landfill Gas Pre-Treatment:	
Design Capacity of Landfill Gas Collection System (acfm):	37.0
Overall Collection Efficiency(%):	
Landfill Gas Mover/Blower size (hp):	
Number of Extraction Wells:	53
Extraction Well Diameter (ft):	0.7
Extraction Well Depth (ft):	8.0
Extraction Well Overlap (%):	
Extraction Well Operating Vacuum (in. H20):	
Have you attached Actual Landfill Gas Analysis?	● Yes ○ No
Have you attached a layout (plan view) of the wells and header piping?	○ Yes ● No
Have you attached a waste	

deposition history (provide tons deposited for each operating year)?

○ Yes ● No

Comments:

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E74 (Landfill) Print Date: 6/24/2022

Pollutant	Concentration	Units
Amines		
CO2		
Chlorides		
Greenhouse gases as CO2e		
H2S		
Mercaptans		
Mercury		
Methane		
Non-Methane Hydrocarbons		

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E75 (Boiler)
Print Date: 6/24/2022

Make:	
Manufacturer:	Weil McLain
Model:	88
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.90
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

Comments:

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E82 (Boiler)
Print Date: 6/24/2022

Make:	Weil McLain
Manufacturer:	Weil McLain
Model:	1280
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.67
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

Have you attached a diagram showing the location and/or the configuration of this equipment?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	Yes
Comments:	Requesting Limit on the NG usage to 10.667488 mmcf based on 6570 hrs per year

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E87 (Boiler)
Print Date: 6/24/2022

Make:	a9-1
Manufacturer:	Weil McLain
Model:	
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.90
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E88 (Boiler)
Print Date: 6/24/2022

Make:	a10-1
Manufacturer:	Weil McLain
Model:	
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.70
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E90 (Boiler)
Print Date: 6/24/2022

Make:	a12-1
Manufacturer:	Weil McLain
Model:	
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	2.50
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

Comments:

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E96 (Emergency Generator)
Print Date: 6/24/2022

Make:	a22-1
Manufacturer:	Kohler
Model:	
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	4.26
Will the equipment be used in excess of 500 hours per year?	○ Yes ● No
Have you attached a diagram showing the location and/or the configuration of this equipment?	○ Yes ● No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	○ Yes ● No
Comments:	

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E98 (Emergency Generator)
Print Date: 6/24/2022

Make:	a24-1
Manufacturer:	Onan
Model:	
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	2.44
Will the equipment be used in excess of 500 hours per year?	○ Yes ● No
Have you attached a diagram showing the location and/or the configuration of this equipment?	○ Yes ● No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	○ Yes ● No
Comments:	

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E102 (Emergency Generator)
Print Date: 6/24/2022

Make:

Manufacturer:

Model:

Maximum rated Gross Heat Input (MMBtu/hr-HHV): 7.10

Will the equipment be used in excess of 500 hours per year? ○ Yes ● No

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

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

Comments:

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E104 (Emergency Generator)
Print Date: 6/24/2022

Make:	a30-1
Manufacturer:	Onan
Model:	
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	2.40
Will the equipment be used in excess of 500 hours per year?	○ Yes ● No
Have you attached a diagram showing the location and/or the configuration of this equipment?	○ Yes ● No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	○ Yes ● No
Comments:	

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E111 (Emergency Generator)
Print Date: 6/24/2022

Make:	
Manufacturer:	Kohler
Model:	275ROZD71
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	3.70
Will the equipment be used in excess of 500 hours per year?	○ Yes ● No
Have you attached a diagram showing the location and/or the configuration of this equipment?	○ Yes ● No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	○ Yes ● No
Comments:	

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E120 (Storage Vessel)
Print Date: 6/24/2022

What type of contents is this storage vessel equipped to contain by design?	Liquids Only
Storage Vessel Type:	Tank
Design Capacity:	25,000
Units:	gallons
Ground Location:	Below Ground
Is the Shell of the Equipment Exposed to Sunlight?	No
Shell Color:	
Description (if other):	
Shell Condition:	
Paint Condition:	
Shell Construction:	
Is the Shell Insulated?	No
Type of Insulation:	
Insulation Thickess (in):	
Thermal Conductivity of Insulation [(BTU)(in)(hr)(ft2)(deg F)]:	
Shape of Storage Vessel:	Cylindrical
Shell Height (From Ground to Roof Bottom) (ft):	11.00
Length (ft):	35.00
Width (ft):	
Diameter (ft):	11.00
Other Dimension	
Description:	
Value:	
Units:	
Fill Method:	Submerged
Description (if other):	
Maximum Design Fill Rate:	
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):	11.00
Roof Construction:	
Primary Seal Type:	
Secondary Seal Type:	
Total Number of Seals:	
Roof Support:	
Does the storage vessel have a Vapor Return Loop?	No
Does the storage vessel	

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E120 (Storage Vessel)
Print Date: 6/24/2022

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?	No

Comments:

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E133 (Emergency Generator)
Print Date: 6/24/2022

Make:	a39-1
Manufacturer:	Cummines
Model:	
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	4.26
Will the equipment be used in excess of 500 hours per year?	○ Yes ● No
Have you attached a diagram showing the location and/or the configuration of this equipment?	○ Yes ● No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	○ Yes ● No
Comments:	

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E135 (Storage Vessel)
Print Date: 6/24/2022

What type of contents is this storage vessel equipped to contain by design?	Liquids Only
Storage Vessel Type:	Tank
Design Capacity:	25,000
Units:	gallons
Ground Location:	Below Ground
Is the Shell of the Equipment Exposed to Sunlight?	No
Shell Color:	
Description (if other):	
Shell Condition:	
Paint Condition:	
Shell Construction:	
Is the Shell Insulated?	No
Type of Insulation:	
Insulation Thickess (in):	
Thermal Conductivity of Insulation [(BTU)(in)(hr)(ft2)(deg F)]:	
Shape of Storage Vessel:	Cylindrical
Shell Height (From Ground to Roof Bottom) (ft):	11.00
Length (ft):	35.00
Width (ft):	
Diameter (ft):	11.00
Other Dimension	
Description:	
Value:	
Units:	
Fill Method:	Top Pipe
Description (if other):	
Maximum Design Fill Rate:	100.00
Units:	gal/min
Does the storage vessel have a roof or an open top?	Roof
Roof Type:	Horizontal fixed roof tank
Roof Height (From Roof Bottom to Roof Top) (ft):	11.00
Roof Construction:	
Primary Seal Type:	
Secondary Seal Type:	
Total Number of Seals:	
Roof Support:	
Does the storage vessel have a Vapor Return Loop?	Yes
Does the storage vessel	

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E135 (Storage Vessel)
Print Date: 6/24/2022

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?	No

Comments:

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E147 (Boiler)
Print Date: 6/24/2022

Make:	Burnham Corp.
Manufacturer:	Burnham Corp.
Model:	KV909A-SNG
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.67
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E148 (Boiler)
Print Date: 6/24/2022

Make:	Burnham Corp.
Manufacturer:	Burnham Corp.
Model:	KV909A-SNG
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.67
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

Have you attached a diagram showing the location and/or the configuration of this equipment?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	Wall fired and natural draft burner

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E149 (Boiler)
Print Date: 6/24/2022

Make:	Burnham Corp.
Manufacturer:	Burnham Corp.
Model:	KV909A-SNG
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.67
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

Have you attached a diagram showing the location and/or the configuration of this equipment?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	Wall Fired and Forced Draft Burner

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E150 (Boiler)
Print Date: 6/24/2022

Make:	Weil-McLain
Manufacturer:	Weil-McLain
Model:	1080
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.39
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

Have you attached a diagram showing the location and/or the configuration of this equipment?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	wall fired and forced draft burner

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E151 (Boiler)
Print Date: 6/24/2022

Make:	Weil-McLain
Manufacturer:	Weil-McLain
Model:	1080
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.38
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

Have you attached a diagram showing the location and/or the configuration of this equipment?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	Wall fired and forced draft burner

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E152 (Boiler)
Print Date: 6/24/2022

Make:	Burnham Corp.
Manufacturer:	Burnham Corp.
Model:	KV908A-SNG
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.39
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

Have you attached a diagram showing the location and/or the configuration of this equipment?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	wall fired and forced draft burner

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E153 (Boiler)
Print Date: 6/24/2022

Make:	Burnham Corp.
Manufacturer:	Burnham Corp.
Model:	KV908A-SNG
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.39
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

Have you attached a diagram showing the location and/or the configuration of this equipment?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	wall fired and forced draft burner

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E157 (Boiler)
Print Date: 6/24/2022

Make:	Burnham Corp.
Manufacturer:	Burnham Corp.
Model:	KV908A-SNG
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.50
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

Have you attached a diagram showing the location and/or the configuration of this equipment?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	wall fired and forced draft burner

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E161 (Boiler)
Print Date: 6/24/2022

Make:	BURNHAM
Manufacturer:	BURNHAM
Model:	V908A
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.39
Boiler Type:	Package
Utility Type:	Utility
Output Type:	Steam Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

Have you attached a diagram showing the location and/or the configuration of this equipment?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	Serial#:64200607

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E165 (Boiler)
Print Date: 6/24/2022

Make:	Burnham Corp.
Manufacturer:	Burnham Corp.
Model:	KV113-SNG
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	3.10
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

Have you attached a diagram showing the location and/or the configuration of this equipment?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	wall fired and forced draft burner

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E166 (Surface Coating Equipment (Non-Fabric Material))

Make:	J.B.I
Manufacturer:	GRAPEK COMPANY
Model:	T-64-WPDT
Method of Application:	Spray — Spray Type: Air-Assisted
Description:	
Have you attached a diagram showing the location and/or the configuration of this equipment?	(●) Yes ( ) No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	(●) Yes ( ) No
Comments:	High volume, low pressure

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E167 (Process Heater)
Print Date: 6/24/2022

Make:	
Manufacturer:	Rupp Air Management Systems
Model:	RAM-30
Equipment Type Description:	Direct-Fired Gas Heating & Ventilating Unit for Paint Booth
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	3.11
Draft Type:	
Firing Method:	Direct

Is the Process Heater using (check all that apply):

Low NOx Burner	☐
Type of Low NOx Burner:	
Flue Gas Recirculation (FGR):	☐

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

Comments:

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

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E168 (Other Equipment)
Print Date: 6/24/2022

Make:	BCP
Manufacturer:	BCP
Model:	JOB #2564
Equipment Type:	Sand Blaster - 47 lb/min blast media (sand)
Capacity:	2,820.00
Units:	lb/hr
Description:	

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

- (●) Yes
- ( ) No

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

- (●) Yes
- ( ) No

Comments: Particulate controls using 80/20 Cellulose/Polyester bonded cartridges

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E169 (Boiler)
Print Date: 6/24/2022

Make:	Weil McLain
Manufacturer:	
Model:	LGB-17
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	2.08
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

Have you attached a diagram showing the location and/or the configuration of this equipment?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	Yes
Comments:	Limit Potential hours to 6570 hrs per year

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E170 (Boiler)
Print Date: 6/24/2022

Make:	Weil McLain
Manufacturer:	
Model:	LGB-17
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	2.08
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

Have you attached a diagram showing the location and/or the configuration of this equipment?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	Yes
Comments:	Limit Potential hours of operation to 6570 hrs per year

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E171 (Boiler)
Print Date: 6/24/2022

Make:	
Manufacturer:	Weil McLain
Model:	JBIG-03-RM795A, Serial No: U67525A-01-10-(
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.08
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Water Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

Comments:

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E174 (Boiler)
Print Date: 6/24/2022

Make:	
Manufacturer:	Weil McLain
Model:	BL-488 or BL-588
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.82
Boiler Type:	
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E175 (Fuel Combustion Equipment (Other))
Print Date: 6/24/2022

Make:	
Manufacturer:	RBI
Model:	33DW1050NACSS serial- 80332584
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	1.05
Type of Heat Exchange:	Indirect
Equipment Type Description:	NG Water Heater

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

- ○ Yes
- ● No

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

- ○ Yes
- ● No

Comments:

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

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E176 (Boiler)
Print Date: 6/24/2022

Make:	
Manufacturer:	Lochinvar Power Fin
Model:	PBN1000 serial-I04H00168015
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.00
Boiler Type:	
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E177 (Boiler)
Print Date: 6/24/2022

Make:	
Manufacturer:	Lochinvar Power Fin
Model:	PBN1000 serial-H04H00167809
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.00
Boiler Type:	
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E178 (Fuel Combustion Equipment (Other))
Print Date: 6/24/2022

Make:	
Manufacturer:	RBI
Model:	serial-100333297
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	1.05
Type of Heat Exchange:	Indirect
Equipment Type Description:	NG water heater

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

- ○ Yes
- ● No

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

- ○ Yes
- ● No

Comments:

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

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E179 (Boiler)
Print Date: 6/24/2022

Make:	
Manufacturer:	RBI
Model:	33DW1050NACSS serial-100333300
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.05
Boiler Type:	
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E180 (Boiler)
Print Date: 6/24/2022

Make:	
Manufacturer:	RBI
Model:	33DW1050NACSS serial-100333298
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.05
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E181 (Boiler)
Print Date: 6/24/2022

Make:	
Manufacturer:	RBI
Model:	33DW1350NACSS serial-080332642
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.35
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E182 (Boiler)
Print Date: 6/24/2022

Make:	
Manufacturer:	FULTON
Model:	PHW-1000 serial-98218
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.00
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E183 (Boiler)
Print Date: 6/24/2022

Make:	
Manufacturer:	FULTON
Model:	PHW-1000 serial-98219
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.00
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E184 (Boiler)
Print Date: 6/24/2022

Make:	
Manufacturer:	FULTON
Model:	PHW-1000 serial-98216
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.00
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E185 (Boiler)
Print Date: 6/24/2022

Make:	
Manufacturer:	Lochinvar Power Fin
Model:	PVN1000 serial-E016115
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.00
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E186 (Boiler)
Print Date: 6/24/2022

Make:	
Manufacturer:	Lochinvar Power Fin
Model:	PVN1000 serial-E016116
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.00
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E187 (Fuel Combustion Equipment (Other))
Print Date: 6/24/2022

Make:	
Manufacturer:	Lochinvar
Model:	CWN1436PM serial-K03H00159734
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	1.44
Type of Heat Exchange:	Indirect
Equipment Type Description:	NG Water Heater

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

- ○ Yes
- ● No

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

- ○ Yes
- ● No

Comments:

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

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E188 (Fuel Combustion Equipment (Other))
Print Date: 6/24/2022

Make:	
Manufacturer:	Lochinvar
Model:	CWNM63P19 serial-K03H00160111
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	1.44
Type of Heat Exchange:	Indirect
Equipment Type Description:	DG water hearter

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

- ○ Yes
- ● No

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

- ○ Yes
- ● No

Comments:

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

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E189 (Boiler)
Print Date: 6/24/2022

Make:	
Manufacturer:	A.O.SMITH
Model:	DB-1810D110E serial-10D9950414
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.81
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E190 (Boiler)
Print Date: 6/24/2022

Make:	
Manufacturer:	A.O.SMITH
Model:	DB-1810D110E serial-F9951373
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.81
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E194 (Boiler)
Print Date: 6/24/2022

Make:	
Manufacturer:	Burnham-Steam
Model:	KV908A-SNG
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.39
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E196 (Boiler)
Print Date: 6/24/2022

Make:	
Manufacturer:	Burnham
Model:	V908A
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.90
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E199 (Boiler)
Print Date: 6/24/2022

Make:	Smith Cast Iron Boiler
Manufacturer:	H.B Smith Company
Model:	28 A-S/W-09
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	2.84
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E200 (Boiler)
Print Date: 6/24/2022

Make:	Smith Cast Iron Boiler
Manufacturer:	H. B Smith Company
Model:	Boiler Model 28A-S/W-09
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	2.84
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E201 (Boiler)
Print Date: 6/24/2022

Make:	Aerco
Manufacturer:	
Model:	BMK-3.0LN
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	3.00
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Electricity Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E202 (Boiler)
Print Date: 6/24/2022

Make:	Aerco
Manufacturer:	
Model:	BMK-3.0LN
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	3.00
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Electricity Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E203 (Boiler)
Print Date: 6/24/2022

Make:	Aerco
Manufacturer:	Aerco
Model:	BMK-1.5LN
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	2.00
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Electricity Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

Have you attached a diagram showing the location and/or the configuration of this equipment?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	Yes
Comments:	MAC HQ Boiler #3 Low NOx

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E204 (Emergency Generator)
Print Date: 6/24/2022

Make:	Kohler Power Systems
Manufacturer:	Kohler Power Systems
Model:	250REOZJD
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	2.41
Will the equipment be used in excess of 500 hours per year?	○ Yes ● No
Have you attached a diagram showing the location and/or the configuration of this equipment?	○ Yes ● No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	● Yes ○ No
Comments:	Generator Serial Number: 2186982 Engine: John Deere, Model: 6090HF485

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E205 (Fuel Combustion Equipment (Other))
Print Date: 6/24/2022

Make:	RE Series
Manufacturer:	Engineered AIr
Model:	RE750
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	3.75
Type of Heat Exchange:	Direct
Equipment Type Description:	

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

- ○ Yes
- ● No

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

- ● Yes
- ○ No

Comments:

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

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E206 (Surface Coating Equipment (Non-Fabric Material))

Make:	Global Finishing Solution
Manufacturer:	Global Finishing Solution
Model:	CDG-2016-PDT-64
Method of Application:	Spray — Spray Type: Air-Assisted
Description:	

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

- (●) Yes
- ( ) No

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

- (●) Yes
- ( ) No

Comments:

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E207 (Process Heater)
Print Date: 6/24/2022

Make:	Global Finishing Solutions
Manufacturer:	Global Finishing Solutions
Model:	CFA-30
Equipment Type Description:	
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	3.11
Draft Type:	Natural
Firing Method:	Direct

Is the Process Heater using (check all that apply):

Low NOx Burner	☐
Type of Low NOx Burner:	
Flue Gas Recirculation (FGR):	☐

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

Comments:

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

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E209 (Emergency Generator)
Print Date: 6/24/2022

Make:	Kohler
Manufacturer:	Kohler
Model:	180REOZJE
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	1.86
Will the equipment be used in excess of 500 hours per year?	○ Yes ● No
Have you attached a diagram showing the location and/or the configuration of this equipment?	○ Yes ● No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	● Yes ○ No
Comments:	John Deere Engine Model: 606HF485T. Manufacture Year of 180 kW EGen is 2010.

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E210 (Emergency Generator)
Print Date: 6/24/2022

Make:	Kohler
Manufacturer:	Kohler
Model:	125REOZJD
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	1.36
Will the equipment be used in excess of 500 hours per year?	○ Yes ● No
Have you attached a diagram showing the location and/or the configuration of this equipment?	○ Yes ● No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	● Yes ○ No
Comments:	John Deere Engine Model: 6068HF285. Manufacture Year of 125 kW EGen is 2010.

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E211 (Emergency Generator)
Print Date: 6/24/2022

Make:	Cummins Onan
Manufacturer:	Cummins Onan
Model:	250DQAA-5856702
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	2.63
Will the equipment be used in excess of 500 hours per year?	○ Yes ● No
Have you attached a diagram showing the location and/or the configuration of this equipment?	○ Yes ● No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	● Yes ○ No
Comments:	Manufacture Date of 250 kW EGen is 4/2007.

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E212 (Emergency Generator)
Print Date: 6/24/2022

Make:	Caterpillar
Manufacturer:	Caterpillar
Model:	SR4B
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	2.62
Will the equipment be used in excess of 500 hours per year?	○ Yes ● No
Have you attached a diagram showing the location and/or the configuration of this equipment?	○ Yes ● No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	● Yes ○ No
Comments:	Engine Model: 3306B TA. Manufacture Year of EGen is 1996.

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E213 (Emergency Generator)
Print Date: 6/24/2022

Make:	Katolight
Manufacturer:	Katolight
Model:	D400FPX4T3
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	4.37
Will the equipment be used in excess of 500 hours per year?	○ Yes ● No
Have you attached a diagram showing the location and/or the configuration of this equipment?	○ Yes ● No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	● Yes ○ No
Comments:	Detroit Diesel Engine Model: 6063HV35-635HP. EGen meets Tier 3 standards.

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E214 (Emergency Generator)
Print Date: 6/24/2022

Make:	Kohler
Manufacturer:	Kohler
Model:	150REOZJB
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	1.64
Will the equipment be used in excess of 500 hours per year?	○ Yes ● No
Have you attached a diagram showing the location and/or the configuration of this equipment?	○ Yes ● No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	● Yes ○ No
Comments:	John Deere Engine Model: 606HF150. Manufacture Date is 01/2006

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E215 (Emergency Generator)
Print Date: 6/24/2022

Make:	MTU Onsite Energy
Manufacturer:	MTU Onsite Energy
Model:	DS0400D6S
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	3.64
Will the equipment be used in excess of 500 hours per year?	○ Yes ● No
Have you attached a diagram showing the location and/or the configuration of this equipment?	○ Yes ● No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	○ Yes ● No
Comments:	Manufacture date 2/2012

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E216 (Emergency Generator)
Print Date: 6/24/2022

Make:	Cummins Onan
Manufacturer:	Cummins Onan
Model:	DQGAB - 3156031
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	15.00
Will the equipment be used in excess of 500 hours per year?	○ Yes ● No
Have you attached a diagram showing the location and/or the configuration of this equipment?	○ Yes ● No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	○ Yes ● No
Comments:	MANUFACTURE DATE OF 1500 KW IS 3/2010

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E217 (Emergency Generator)
Print Date: 6/24/2022

Make:	Kohler Power Systems
Manufacturer:	Kohler Power Systems
Model:	100 REOZJF
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	1.12
Will the equipment be used in excess of 500 hours per year?	○ Yes ● No
Have you attached a diagram showing the location and/or the configuration of this equipment?	○ Yes ● No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	○ Yes ● No
Comments:	John Deere Engine Model 4045HF2851

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E219 (Boiler)
Print Date: 6/24/2022

Make:	POWER FIN
Manufacturer:	LOCHINVAR
Model:	PBN1002
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.00
Boiler Type:	Package
Utility Type:	Utility
Output Type:	Steam Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	

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

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

Have you attached a diagram showing the location and/or the configuration of this equipment?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	Yes
Comments:	Serial#: K07H00203834

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E220 (Boiler)
Print Date: 6/24/2022

Make:	POWER-FIN
Manufacturer:	LOCHNIVAR
Model:	PBN1002
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.00
Boiler Type:	Package
Utility Type:	Utility
Output Type:	Steam Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments: Serial#: J08H00213510

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E221 (Boiler)
Print Date: 6/24/2022

Make:	WEIL-MCLAIN
Manufacturer:	WEIL-MCLAIN
Model:	SF1500
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.50
Boiler Type:	Package
Utility Type:	Utility
Output Type:	Steam Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E222 (Boiler)
Print Date: 6/24/2022

Make:	WEIL-MCLAIN
Manufacturer:	WEIL-MCLAIN
Model:	SF1500
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.50
Boiler Type:	Package
Utility Type:	Utility
Output Type:	Steam Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E223 (Boiler)
Print Date: 6/24/2022

Make:	WEIL-MCLAIN
Manufacturer:	WEIL-MCLAIN
Model:	980 Series 1
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.23
Boiler Type:	Package
Utility Type:	Utility
Output Type:	Steam Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E224 (Boiler)
Print Date: 6/24/2022

Make:	WEIL-MCLAIN
Manufacturer:	WEIL-MCLAIN
Model:	980 Series 1
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.38
Boiler Type:	Package
Utility Type:	Utility
Output Type:	Steam Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E225 (Boiler)
Print Date: 6/24/2022

Make:	WEIL MCLAIN
Manufacturer:	MODEL 988
Model:	
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	2.74
Boiler Type:	Package
Utility Type:	Utility
Output Type:	Steam Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E226 (Boiler)
Print Date: 6/24/2022

Make:	P-K MACH
Manufacturer:	P-K MACH
Model:	C-2000
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	2.00
Boiler Type:	Package
Utility Type:	Utility
Output Type:	Steam Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments: Serial#: R950-09-4875

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E227 (Boiler)
Print Date: 6/24/2022

Make:	P-K MACH
Manufacturer:	P-K MACH
Model:	C-2000
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	2.00
Boiler Type:	Package
Utility Type:	Utility
Output Type:	Steam Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments: Serial#: R948-09-4833

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E228 (Boiler)
Print Date: 6/24/2022

Make:	WEIL MCLAIN
Manufacturer:	WEIL MCLAIN
Model:	CP1512908
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.36
Boiler Type:	Package
Utility Type:	Utility
Output Type:	Steam Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

Have you attached a diagram showing the location and/or the configuration of this equipment?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	Serial#: 098840157

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E229 (Boiler)
Print Date: 6/24/2022

Make:	WEIL MCLAIN
Manufacturer:	WEIL MCLAIN
Model:	CP1512908
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.36
Boiler Type:	Package
Utility Type:	Utility
Output Type:	Steam Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

Have you attached a diagram showing the location and/or the configuration of this equipment?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	Serial#: 098843156

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E230 (Storage Vessel)
Print Date: 6/24/2022

What type of contents is this storage vessel equipped to contain by design?	Liquids Only
Storage Vessel Type:	Tank
Design Capacity:	2,000
Units:	gallons
Ground Location:	Above Ground
Is the Shell of the Equipment Exposed to Sunlight?	Yes
Shell Color:	White
Description (if other):	
Shell Condition:	
Paint Condition:	
Shell Construction:	
Is the Shell Insulated?	
Type of Insulation:	
Insulation Thickess (in):	
Thermal Conductivity of Insulation [(BTU)(in)(hr)(ft2)(deg F)]:	
Shape of Storage Vessel:	
Shell Height (From Ground to Roof Bottom) (ft):	
Length (ft):	
Width (ft):	
Diameter (ft):	
Other Dimension	
Description:	
Value:	
Units:	
Fill Method:	
Description (if other):	
Maximum Design Fill Rate:	
Units:	gal/min
Does the storage vessel have a roof or an open top?	
Roof Type:	
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?	

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

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E231 (Emergency Generator)
Print Date: 6/24/2022

Make:	MTU
Manufacturer:	ONSITE ENERGY (2015)
Model:	MTU 4R0113 DS 100 (2014) Model Year
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	1.15
Will the equipment be used in excess of 500 hours per year?	○ Yes ○ No
Have you attached a diagram showing the location and/or the configuration of this equipment?	○ Yes ○ No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	○ Yes ○ No
Comments:	100 kW 158 HP Displacement per cylinder: 4.5 L

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E233 (Soil Venting Equipment)
Print Date: 6/24/2022

Make:	
Manufacturer:	Gast
Model:	RT100R-50
Equipment Type:	Soil Vapor extraction blower.

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

- (●) Yes
- ( ) No

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

- (●) Yes
- ( ) No

Comments:

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E234 (Soil Venting Equipment)
Print Date: 6/24/2022

Make:	
Manufacturer:	Roots
Model:	47 urai j
Equipment Type:	Soil Vapor extraction blower.

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

- (●) Yes
- ( ) No

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

- (●) Yes
- ( ) No

Comments:

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E235 (Boiler)
Print Date: 6/24/2022

Make:	DeDietrich Condensing Boilers
Manufacturer:	DeDietrich
Model:	Gas 310 ECO 310-7
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.53
Boiler Type:	Water Tube
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E236 (Boiler)
Print Date: 6/24/2022

Make:	Weil McLain
Manufacturer:	Weil McLain
Model:	980
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.53
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E237 (Boiler)
Print Date: 6/24/2022

Make:	Crown Boiler
Manufacturer:	Velocity Boiler Works
Model:	Series 24-08
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.50
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Indirect

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

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

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

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

Comments:

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E239 (Emergency Generator)
Print Date: 6/24/2022

Make:	John Deere Engine
Manufacturer:	Ingersoll Rand
Model:	G125/2006
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	1.17
Will the equipment be used in excess of 500 hours per year?	○ Yes ● No
Have you attached a diagram showing the location and/or the configuration of this equipment?	○ Yes ● No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	○ Yes ● No
Comments:	Engine Model: 5JDXL06.8082

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E240 (Emergency Generator)
Print Date: 6/24/2022

Make:	Ingersoll Rand Engine
Manufacturer:	Ingersoll Rand
Model:	G125/2008
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	1.17
Will the equipment be used in excess of 500 hours per year?	○ Yes ● No
Have you attached a diagram showing the location and/or the configuration of this equipment?	○ Yes ● No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	○ Yes ● No
Comments:	Engine Model: 6068TF275K

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E241 (Emergency Generator)
Print Date: 6/24/2022

Make:	Cummins
Manufacturer:	Onan/Cummins
Model:	100DGDB-4188
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	1.19
Will the equipment be used in excess of 500 hours per year?	○ Yes ● No
Have you attached a diagram showing the location and/or the configuration of this equipment?	○ Yes ● No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	● Yes ○ No
Comments:	Engine Model: 6BT5-9-G6

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E245 (Emergency Generator)
Print Date: 6/24/2022

Make:	On Site Energy
Manufacturer:	MTU
Model:	6R0113DS 180
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	1.89
Will the equipment be used in excess of 500 hours per year?	○ Yes ● No
Have you attached a diagram showing the location and/or the configuration of this equipment?	○ Yes ● No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	○ Yes ● No
Comments:	

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E246 (Emergency Generator)
Print Date: 6/24/2022

Make:	On-Site
Manufacturer:	MTU
Model:	6R0113DS 180
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	1.89
Will the equipment be used in excess of 500 hours per year?	○ Yes ● No
Have you attached a diagram showing the location and/or the configuration of this equipment?	○ Yes ● No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	○ Yes ● No
Comments:	

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E247 (Emergency Generator)
Print Date: 6/24/2022

Make:	Kohler
Manufacturer:	Kohler
Model:	150 REOZJF
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	1.65
Will the equipment be used in excess of 500 hours per year?	○ Yes ● No
Have you attached a diagram showing the location and/or the configuration of this equipment?	○ Yes ● No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	○ Yes ● No
Comments:	

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E248 (Fuel Combustion Equipment (Other))
Print Date: 6/24/2022

Make:	Bouldin & Lawson
Manufacturer:	Bouldin & Lawson
Model:	EOD 18852
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	0.56
Type of Heat Exchange:	Indirect
Equipment Type Description:	EOCD Ordnance Deformer

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

- ○ Yes
- ● No

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

- ● Yes
- ○ No

Comments:

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

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 E250 (Emergency Generator)
Print Date: 6/24/2022

Make:	Kohler
Manufacturer:	Kohler (2021)
Model:	150REOZJF (2021) Model Year
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	1.60
Will the equipment be used in excess of 500 hours per year?	○ Yes ○ No
Have you attached a diagram showing the location and/or the configuration of this equipment?	○ Yes ○ No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	○ Yes ○ No
Comments:	177 kW 237 HP Displacement per cylinder: 1.13 L

JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA (45924) Date: 11/30/2022

BOP190004

New Jersey Department of Environmental Protection
Control Device Inventory

CD NJID	Facility's Designation	Description	CD Type	Install Date	Grand-Fathered	Last Mod. (Since 1968)	CD Set ID
CD166	Dry Filter	Dry Filter for Paint Booth Bld. 8304	Particulate Filter (Other)	7/1/2002	No		
CD167	Dry Filter	Dry Filter for Abrasive Blaster	Particulate Filter (Cartridge)	7/1/2002	No		
CD2321	Remediation	TU970 - FALCO 300 Catalytic Oxidizer	Oxidizer (Catalytic)	9/30/2015	No		CS2321
CD2322	Remediation	TU970 - 300 lb Vapor Granulated Activated Carbon adsorber to be implemented when influent vapor concentrations are approximately 1 lb/day of VOCs	Adsorber	2/1/2016	No		CS2322
CD2323	Remediation	TU970 - 300 lb Vapor Granulated Activated Carbon adsorber to be implemented when influent vapor concentrations are approximately 1 lb/day of VOCs	Adsorber	2/1/2016	No		CS2323
CD2331	Remediation	NW044 - FALCO 300 Catalytic Oxidizer	Oxidizer (Catalytic)	9/30/2015	No		CS2331
CD2332	Remediation	NW044 - 300 lb Vapor Granulated Activated Carbon adsorber to be implemented when influent vapor concentrations are approximately 1 lb/day of VOCs	Adsorber	2/1/2016	No		CS2332

JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA (45924) Date: 11/30/2022

BOP190004

New Jersey Department of Environmental Protection
Control Device Inventory

CD NJID	Facility's Designation	Description	CD Type	Install Date	Grand-Fathered	Last Mod. (Since 1968)	CD Set ID
CD2333	Remediation	NW044 - 300 lb Vapor Granulated Activated Carbon adsorber to be implemented when influent vapor concentrations are approximately 1 lb/day of VOCs	Adsorber	2/1/2016	No		CS2333
CD2341	Remediation	TU019a - Falco 300 Catalytic Oxidizer.	Oxidizer (Catalytic)	9/30/2015	No		CS2341
CD2342	Remediation	TU019a - 300 lb Vapor Granulated Activated Carbon adsorber to be implemented when influent vapor concentrations are approximately 1 lb/day of VOCs	Adsorber	2/1/2016	No		CS2342
CD2343	Remediation	TU019a - 300 lb Vapor Granulated Activated Carbon adsorber to be implemented when influent vapor concentrations are approximately 1 lb/day of VOCs	Adsorber	2/1/2016	No		CS2343

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 CD167 (Particulate Filter (Cartridge))
Print Date: 6/24/2022

Make:	BCP
Manufacturer:	BCP
Model:	5JPSC - 35
Number of Cartridges:	35
Size of Cartridges (ft^2):	220.00
Total Cartridge Area (ft^2):	7,700.00
Maximum Design Temperature Capability (°F):	200.0
Maximum Design Air Flow Rate (acfm):	18,000.0
Maximum Air Flow Rate to Filter Area Ratio:	2.338
Minimum Operating Pressure Drop (in. H2O):	
Maximum Operating Pressure Drop (in. H2O):	
Maximum Inlet Temperature (°F):	70.0
Maximum Operating Exhuast Gas Flow Rate (acfm):	18,000.0
Method for Determining When Cartridge Replacement is Required:	
Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources):	1
Alternative Method to Demonstrate Control Apparatus is Operating Properly:	
Have you attached a Particle Size Distribution Analysis?	● Yes ○ No
Have you attached data from recent performance testing?	○ Yes ● No
Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus?	○ Yes ● No
Have you attached a diagram showing the location and/or configuration of this control apparatus?	● Yes ○ No
Comments:	ABRASIVE BLASTER - Information provided by manufacturer via e-mail

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 CD2321 (Oxidizer (Catalytic))
Print Date: 6/24/2022

Make:	FALCO 300
Manufacturer:	Falmouth Products
Model:	300
Minimum Inlet Temperature (°F):	
Maximum Inlet Temperature (°F)	
Minimum Outlet Temperature (°F)	330
Maximum Outlet Temperature (°F):	620
Minimum Residence Time (sec)	
Fuel Type:	
Description:	
Maximum Rated Gross Heat Input (MMBtu/hr):	
Minimum Pressure Drop Across Catalyst (psi):	
Maximum Pressure Drop Across Catalyst (psi):	
Catalyst Material:	Packed bed 2.5 cubic feet, Platinum and Palladium on 1/8" ceramic beads standard
Form of Catalyst:	Other
Description:	Beads
Minimum Expected Life of Catalyst:	
Units:	
Volume of Catalyst (ft^3):	2.5
Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources):	
Alternative Method to Demonstrate Control Apparatus is Operating Properly:	
Have you attached data from recent performance testing?	○ Yes ● No
Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus?	● Yes ○ No
Have you attached a diagram showing the location and/or configuration of this control apparatus?	● Yes ○ No
Comments:	

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 CD166 (Particulate Filter (Other))
Print Date: 6/24/2022

Make:	
Manufacturer:	Grapek
Model:	
Filter Description:	Dry Fabric Filter
Total Filter Area (ft²):	
Maximum Design Temperature Capability (°F):	
Maximum Design Air Flow Rate (acfm):	32,000.0
Maximum Air Flow Rate to Filter Area Ratio:	
Minimum Operating Pressure Drop (in. H2O):	
Maximum Operating Pressure Drop (in. H2O):	0.30
Maximum Inlet Temperature (°F):	70.0
Maximum Operating Exhuast Gas Flow Rate (acfm):	32,000.0
Method for Determining When Filter Replacement is Required:	manometer
Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources):	1
Alternative Method to Demonstrate Control Apparatus is Operating Properly:	
Have you attached a Particle Size Distribution Analysis?	○ Yes ● No
Have you attached data from recent performance testing?	○ Yes ● No
Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus?	○ Yes ● No
Have you attached a diagram showing the location and/or configuration of this control apparatus?	○ Yes ● No
Comments:	PAINT BOOTH

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 CD166 (Particulate Filter (Other))
Print Date: 6/24/2022

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 CD2322 (Adsorber)
Print Date: 6/24/2022

Make:	Air 300 High Flow Carbon Services
Manufacturer:	
Model:	
Adsorber Type:	FR
Description:	Vapor Phase Reactivated Carbon
Maximum Gas Flow Rate to Adsorber (acfm):	600
Maximum Temperature of Vapor Stream to Adsorber (°F):	140
Minimum Temperature of Vapor Stream to Adsorber (°F):	
Minimum Moisture Content of Vapor Stream to Adsorber (%):	
Type of Adsorbant:	Coal based reactivated carbon
Bed Height:	41
Bed Length:	
Bed Width:	30
Units:	
Other Bed Dimension:	Inches
Value:	
Units:	
Minimum Pressure Drop Across Adsorbant (in. H20):	2.5
Maximum Pressure Drop Across Adsorber (in. H20):	35
Total Weight of Adsorbant (lbs):	300
Total Weight of Adsorbant When Saturated (lbs):	
Maximum Adsorbant Capacity (lbs Adsorbate/lbs Adsorbant):	
Minimum Adsorbant Capacity (lbs Adsorbate/lbs Adsorbant):	
Set-up Type:	

Method of Determining Breakthrough (check all that apply):

Continuous Emissions Monitor (CEM):	☐
Replacement By Weight:	☐
Periodic Testing:	☑
Sampling Frequency:	Monthly
Sampling Device:	Photoionization detector
Other:	☐
Description:	
Minimum Concentration at Breakthrough (ppmvd):	20
Handling Method of Saturated Adsorbant:	
Method of Regeneration:	

Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources): 1

Alternative Method to Demonstrate Control Apparatus is Operating Properly:

Have you attached data from recent performance testing? ○ Yes ● No

Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus? ● Yes ○ No

Have you attached a diagram showing the location and/or configuration of this control apparatus? ● Yes ○ No

Comments:

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 CD2323 (Adsorber)
Print Date: 6/24/2022

Make:	Air 300 High Flow Carbon Services
Manufacturer:	
Model:	
Adsorber Type:	O1
Description:	Vapor Phase Reactivated Carbon
Maximum Gas Flow Rate to Adsorber (acfm):	600
Maximum Temperature of Vapor Stream to Adsorber (°F):	140
Minimum Temperature of Vapor Stream to Adsorber (°F):	
Minimum Moisture Content of Vapor Stream to Adsorber (%):	
Type of Adsorbant:	Coal based reactivated carbon
Bed Height:	41
Bed Length:	
Bed Width:	30
Units:	
Other Bed Dimension:	Inches
Value:	
Units:	
Minimum Pressure Drop Across Adsorbant (in. H20):	2.5
Maximum Pressure Drop Across Adsorber (in. H20):	35
Total Weight of Adsorbant (lbs):	300
Total Weight of Adsorbant When Saturated (lbs):	
Maximum Adsorbant Capacity (lbs Adsorbate/lbs Adsorbant):	
Minimum Adsorbant Capacity (lbs Adsorbate/lbs Adsorbant):	
Set-up Type:	

Method of Determining Breakthrough (check all that apply):

Continuous Emissions Monitor (CEM):	☐
Replacement By Weight:	☐
Periodic Testing:	☑
Sampling Frequency:	Monthly
Sampling Device:	Photoionization detector
Other:	☐
Description:	
Minimum Concentration at Breakthrough (ppmvd):	20
Handling Method of Saturated Adsorbant:	
Method of Regeneration:	

Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources): 1

Alternative Method to Demonstrate Control Apparatus is Operating Properly:

Have you attached data from recent performance testing? ○ Yes ● No

Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus? ● Yes ○ No

Have you attached a diagram showing the location and/or configuration of this control apparatus? ● Yes ○ No

Comments:

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 CD2331 (Oxidizer (Catalytic))
Print Date: 6/24/2022

Make:	FALCO 300
Manufacturer:	Falmouth Products
Model:	300
Minimum Inlet Temperature (°F):	
Maximum Inlet Temperature (°F)	
Minimum Outlet Temperature (°F)	330
Maximum Outlet Temperature (°F):	620
Minimum Residence Time (sec)	
Fuel Type:	
Description:	
Maximum Rated Gross Heat Input (MMBtu/hr):	
Minimum Pressure Drop Across Catalyst (psi):	
Maximum Pressure Drop Across Catalyst (psi):	
Catalyst Material:	Packed bed 2.5 cubic feet, Platinum and Palladium on 1/8" ceramic beads standard
Form of Catalyst:	Other
Description:	Beads
Minimum Expected Life of Catalyst:	
Units:	
Volume of Catalyst (ft^3):	2.5
Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources):	
Alternative Method to Demonstrate Control Apparatus is Operating Properly:	
Have you attached data from recent performance testing?	○ Yes ● No
Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus?	● Yes ○ No
Have you attached a diagram showing the location and/or configuration of this control apparatus?	● Yes ○ No
Comments:	

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 CD2332 (Adsorber)
Print Date: 6/24/2022

Make:	Air 300 High Flow Carbon Services
Manufacturer:	
Model:	
Adsorber Type:	O1
Description:	Vapor Phase Reactivated Carbon
Maximum Gas Flow Rate to Adsorber (acfm):	600
Maximum Temperature of Vapor Stream to Adsorber (°F):	140
Minimum Temperature of Vapor Stream to Adsorber (°F):	
Minimum Moisture Content of Vapor Stream to Adsorber (%):	
Type of Adsorbant:	Coal based reactivated carbon
Bed Height:	41
Bed Length:	
Bed Width:	30
Units:	
Other Bed Dimension:	Inches
Value:	
Units:	
Minimum Pressure Drop Across Adsorbant (in. H20):	2.5
Maximum Pressure Drop Across Adsorber (in. H20):	35
Total Weight of Adsorbant (lbs):	300
Total Weight of Adsorbant When Saturated (lbs):	
Maximum Adsorbant Capacity (lbs Adsorbate/lbs Adsorbant):	
Minimum Adsorbant Capacity (lbs Adsorbate/lbs Adsorbant):	
Set-up Type:	

Method of Determining Breakthrough (check all that apply):

Continuous Emissions Monitor (CEM):	☐
Replacement By Weight:	☐
Periodic Testing:	☑
Sampling Frequency:	Monthly
Sampling Device:	Photoionization detector
Other:	☐
Description:	
Minimum Concentration at Breakthrough (ppmvd):	20
Handling Method of Saturated Adsorbant:	
Method of Regeneration:	

Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources): 1

Alternative Method to Demonstrate Control Apparatus is Operating Properly:

Have you attached data from recent performance testing? ○ Yes ● No

Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus? ● Yes ○ No

Have you attached a diagram showing the location and/or configuration of this control apparatus? ● Yes ○ No

Comments:

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 CD2333 (Adsorber)
Print Date: 6/24/2022

Make:	Air 300 High Flow Carbon Services
Manufacturer:	
Model:	
Adsorber Type:	O1
Description:	Vapor Phase Reactivated Carbon
Maximum Gas Flow Rate to Adsorber (acfm):	600
Maximum Temperature of Vapor Stream to Adsorber (°F):	140
Minimum Temperature of Vapor Stream to Adsorber (°F):	
Minimum Moisture Content of Vapor Stream to Adsorber (%):	
Type of Adsorbant:	Coal based reactivated carbon
Bed Height:	41
Bed Length:	
Bed Width:	30
Units:	
Other Bed Dimension:	Inches
Value:	
Units:	
Minimum Pressure Drop Across Adsorbant (in. H20):	2.5
Maximum Pressure Drop Across Adsorber (in. H20):	35
Total Weight of Adsorbant (lbs):	300
Total Weight of Adsorbant When Saturated (lbs):	
Maximum Adsorbant Capacity (lbs Adsorbate/lbs Adsorbant):	
Minimum Adsorbant Capacity (lbs Adsorbate/lbs Adsorbant):	
Set-up Type:	

Method of Determining Breakthrough (check all that apply):

Continuous Emissions Monitor (CEM):	☐
Replacement By Weight:	☐
Periodic Testing:	☑
Sampling Frequency:	Monthly
Sampling Device:	Photoionization detector
Other:	☐
Description:	
Minimum Concentration at Breakthrough (ppmvd):	20
Handling Method of Saturated Adsorbant:	
Method of Regeneration:	

Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources): 1

Alternative Method to Demonstrate Control Apparatus is Operating Properly:

Have you attached data from recent performance testing? ○ Yes ● No

Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus? ● Yes ○ No

Have you attached a diagram showing the location and/or configuration of this control apparatus? ● Yes ○ No

Comments:

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 CD2341 (Oxidizer (Catalytic))
Print Date: 6/24/2022

Make:	FALCO 300
Manufacturer:	Falmouth Products
Model:	300
Minimum Inlet Temperature (°F):	
Maximum Inlet Temperature (°F)	
Minimum Outlet Temperature (°F)	330
Maximum Outlet Temperature (°F):	620
Minimum Residence Time (sec)	
Fuel Type:	
Description:	
Maximum Rated Gross Heat Input (MMBtu/hr):	
Minimum Pressure Drop Across Catalyst (psi):	
Maximum Pressure Drop Across Catalyst (psi):	
Catalyst Material:	Packed bed 2.5 cubic feet, Platinum and Palladium on 1/8" ceramic beads standard
Form of Catalyst:	Other
Description:	Beads
Minimum Expected Life of Catalyst:	
Units:	
Volume of Catalyst (ft^3):	2.5
Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources):	
Alternative Method to Demonstrate Control Apparatus is Operating Properly:	
Have you attached data from recent performance testing?	○ Yes ● No
Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus?	● Yes ○ No
Have you attached a diagram showing the location and/or configuration of this control apparatus?	● Yes ○ No
Comments:	

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 CD2342 (Adsorber)
Print Date: 6/24/2022

Make:	Air 300 High Flow Carbon Services
Manufacturer:	
Model:	
Adsorber Type:	O1
Description:	Vapor Phase Reactivated Carbon
Maximum Gas Flow Rate to Adsorber (acfm):	600
Maximum Temperature of Vapor Stream to Adsorber (°F):	140
Minimum Temperature of Vapor Stream to Adsorber (°F):	
Minimum Moisture Content of Vapor Stream to Adsorber (%):	
Type of Adsorbant:	Coal based reactivated carbon
Bed Height:	41
Bed Length:	
Bed Width:	30
Units:	
Other Bed Dimension:	Inches
Value:	
Units:	
Minimum Pressure Drop Across Adsorbant (in. H20):	2.5
Maximum Pressure Drop Across Adsorber (in. H20):	35
Total Weight of Adsorbant (lbs):	300
Total Weight of Adsorbant When Saturated (lbs):	
Maximum Adsorbant Capacity (lbs Adsorbate/lbs Adsorbant):	
Minimum Adsorbant Capacity (lbs Adsorbate/lbs Adsorbant):	
Set-up Type:	

Method of Determining Breakthrough (check all that apply):

Continuous Emissions Monitor (CEM):	☐
Replacement By Weight:	☐
Periodic Testing:	☑
Sampling Frequency:	Monthly
Sampling Device:	Photoionization detector
Other:	☐
Description:	
Minimum Concentration at Breakthrough (ppmvd):	20
Handling Method of Saturated Adsorbant:	
Method of Regeneration:	

Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources): 1

Alternative Method to Demonstrate Control Apparatus is Operating Properly:

Have you attached data from recent performance testing? ○ Yes ● No

Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus? ● Yes ○ No

Have you attached a diagram showing the location and/or configuration of this control apparatus? ● Yes ○ No

Comments:

45924 JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA BOP190004 CD2343 (Adsorber)
Print Date: 6/24/2022

Make:	Air 300 High Flow Carbon Services
Manufacturer:	
Model:	
Adsorber Type:	O1
Description:	Vapor Phase Reactivated Carbon
Maximum Gas Flow Rate to Adsorber (acfm):	600
Maximum Temperature of Vapor Stream to Adsorber (°F):	140
Minimum Temperature of Vapor Stream to Adsorber (°F):	
Minimum Moisture Content of Vapor Stream to Adsorber (%):	
Type of Adsorbant:	Coal based reactivated carbon
Bed Height:	41
Bed Length:	
Bed Width:	30
Units:	
Other Bed Dimension:	Inches
Value:	
Units:	
Minimum Pressure Drop Across Adsorbant (in. H20):	2.5
Maximum Pressure Drop Across Adsorber (in. H20):	35
Total Weight of Adsorbant (lbs):	300
Total Weight of Adsorbant When Saturated (lbs):	
Maximum Adsorbant Capacity (lbs Adsorbate/lbs Adsorbant):	
Minimum Adsorbant Capacity (lbs Adsorbate/lbs Adsorbant):	
Set-up Type:	

Method of Determining Breakthrough (check all that apply):

Continuous Emissions Monitor (CEM):	☐
Replacement By Weight:	☐
Periodic Testing:	☑
Sampling Frequency:	Monthly
Sampling Device:	Photoionization detector
Other:	☐
Description:	
Minimum Concentration at Breakthrough (ppmvd):	20
Handling Method of Saturated Adsorbant:	
Method of Regeneration:	

Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources): 1

Alternative Method to Demonstrate Control Apparatus is Operating Properly:

Have you attached data from recent performance testing? ○ Yes ● No

Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus? ● Yes ○ No

Have you attached a diagram showing the location and/or configuration of this control apparatus? ● Yes ○ No

Comments:

JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA (45924)
BOP190004

Date: 11/30/2022

New Jersey Department of Environmental Protection
Emission Points Inventory

PT NJID	Facility's Designation	Description	Config.	Equiv. Diam. (in.)	Height (ft.)	Dist. to Prop. Line (ft)	Exhaust Temp. (deg. F)			Exhaust Vol. (acfm)			Discharge Direction	PT Set ID
							Avg.	Min.	Max.	Avg.	Min.	Max.		
PT6	Bldg 2113	Boiler E5 Stack 1.01 MMBtu/hr FO#2 GOP-007-3 Boiler	Round	10	30	2,730	400.0	200.0	500.0	340.4	310.8	370.0	Up	
PT7	DEG155@B5656	Emerg. Gen. E6 Stack	Round	4	8	6,540	800.0	600.0	950.0	1,101.3	1,005.5	1,197.0	Up	
PT8	NGB1-3@B5656	3 2MMBTU/hr boilers	Round	24	32	6,470	400.0	200.0	500.0	2,133.0	1,950.0	2,316.0	Horizontal	
PT14	NGB1-4@B5651	4 1.3MMBTU/hr Boilers	Round	24	32	6,860	400.0	200.0	893.0	14,360.0	13,128.0	15,596.0	Horizontal	
PT21	NGBlr@B5654	Boiler E29 Stack	Round	9	22	6,750	400.0	200.0	893.0	3,590.0	3,282.0	3,899.0	Horizontal	
PT28	NGBlr@B6915	Boiler E35 Stack	Round	16	30	7,110	400.0	200.0	893.0	3,590.0	3,282.0	3,899.0	Horizontal	
PT32	NGBlr@B5340	Boiler E43 Stack	Round	10	18	2,970	460.0	330.0	500.0	1,602.7	2,142.4	2,682.1	Up	
PT35	NGBlr@B5341	Boiler E50 Stack	Rectangle	10	22	2,870	460.0	330.0	500.0	1,602.7	2,142.4	2,682.1	Horizontal	
PT40	NGBlr@B5359	Boiler E51 Stack	Round	8	30	2,390	460.0	330.0	500.0	1,025.7	1,371.1	1,716.5	Up	
PT41	DEG100@B3351	Emerg. Gen. E52 Stack	Round	4	5	480	743.0	600.0	885.0	711.0	400.0	1,022.0	Up	
PT43	DEG260@RNG1	Emerg. Gen. E53 Stack	Round	6	7	2,112	802.0	400.0	802.0	2,024.0	1,872.0	2,024.0	Up	
PT44	Gas#1U@B5360	10,000-gallon UST #1, Gasoline @ B5360	Round	2	36	1,750	70.0	70.0	70.0	4.0	4.0	4.0	Up	
PT45	Gas#2U@B5360	10,000-gallon UST #2, Gasoline @ B5360	Round	2	3	1,750	70.0	70.0	70.0	4.0	4.0	4.0	Up	
PT46	Gas#3U@B5360	10,000-gallon UST #3, Gasoline @ B5360	Round	2	3	1,750	70.0	70.0	70.0	4.0	4.0	4.0	Up	
PT47	Gas#4U@B5360	10,000-gallon UST #4, Gasoline @ B5360	Round	2	3	1,750	70.0	70.0	70.0	4.0	4.0	4.0	Up	
PT48	Gas#5U@B5360	10,000-gallon UST #5, Gasoline @ B5360	Round	2	3	1,750	70.0	70.0	70.0	4.0	4.0	4.0	Up	

JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA (45924)
BOP190004

Date: 11/30/2022

New Jersey Department of Environmental Protection
Emission Points Inventory

PT NJID	Facility's Designation	Description	Config.	Equiv. Diam. (in.)	Height (ft.)	Dist. to Prop. Line (ft)	Exhaust Temp. (deg. F)			Exhaust Vol. (acfm)			Discharge Direction	PT Set ID
							Avg.	Min.	Max.	Avg.	Min.	Max.		
PT68	DEG#1@B4357	1000 kW (10.7 MMBtu/hr) Diesel EmGen #1 @ B4357	Round	8	14	7,200	1,000.0	950.0	1,050.0	11,000.0	10,450.0	11,550.0	Horizontal	
PT69	DEG#2@B4357	1000 kW (10.7 MMBtu/hr) Diesel EmGen #2 @ B4357	Round	8	14	7,200	1,000.0	950.0	1,050.0	11,000.0	10,450.0	11,550.0	Horizontal	
PT73	DEG750@B5891	750 kW (7.1 MMBtu/hr) Diesel EmGen @ B5891	Round	12	30	1,500	500.0	450.0	550.0	1,000.0	980.0	1,050.0	Up	
PT74	Landfill	Landfill	Round	8	8	2,000	100.0	100.0	100.0	37.0	37.0	37.0	Down	
PT75	FO2Blr@B3130	2.324 MMBtu/hr FO#2 Boiler @ B3130	Round	28	35	4,500	350.0	315.0	385.0	598.0	568.0	628.0	Up	
PT82	NGBlr@B5254	1.674 MMBtu/hr NG Boiler @ B5254	Round	41	40	1,000	385.0	385.0	385.0	675.0	675.0	675.0	Up	
PT87	FO2Blr@B5344	1.65 MMBtu/hr FO#2 Boiler @ B5344	Round	12	30	3,250	350.0	315.0	385.0	598.0	568.0	628.0	Up	
PT88	FO2Blr@B5345	1.05 MMBtu/hr FO#2 Boiler @ B5345	Round	12	30	875	350.0	315.0	385.0	598.0	568.0	628.0	Up	
PT90	NGBlr@B5901	2.713 MMbtu/hr Boiler @ 5901	Round	18	20	18	20.0	1,000.0	350.0	315.0	385.0	600.0	Up	
PT96	DEG400@B92	400 kW (4.263 MMBtu/hr) Diesel EmGen @ B92	Round	6	6	1,000	550.0	350.0	700.0	1,000.0	800.0	1,200.0	Up	
PT98	DEG200@B1190	200 kW (7.435 MMBtu/hr) Diesel EmGen @ B1190	Round	6	6	1,000	550.0	350.0	700.0	1,000.0	800.0	1,200.0	Up	
PT102	DEG750@B5543	750 kW (7.1 MMBtu/hr) Diesel EmGen @ B5543	Round	6	6	1,000	550.0	350.0	700.0	1,000.0	800.0	1,200.0	Up	
PT104	DEG200@B5280	200 kW (2.4 MMBtu/hr) Diesel EmGen @ B5280	Round	6	6	1,000	550.0	350.0	700.0	1,000.0	800.0	1,200.0	Up	
PT111	DEG350@B7061	350 kW (3.7 MMBtu/hr) Diesel EmGen @ B7061	Round	6	6	1,000	550.0	350.0	700.0	1,000.0	800.0	1,200.0	Up	

JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA (45924)
BOP190004

Date: 11/30/2022

New Jersey Department of Environmental Protection
Emission Points Inventory

PT NJID	Facility's Designation	Description	Config.	Equiv. Diam. (in.)	Height (ft.)	Dist. to Prop. Line (ft)	Exhaust Temp. (deg. F)			Exhaust Vol. (acfm)			Discharge Direction	PT Set ID
							Avg.	Min.	Max.	Avg.	Min.	Max.		
PT120	FO2UST@B5374	25,000-gallon UST, Diesel Fule Oil @ B5374	Round	6	6	1,750	70.0	70.0	70.0	4.0	4.0	4.0	Up	
PT133	DEG210@B5321	210 kW (2.558 MMBtu/hr) Diesel EmGen @ B5321	Round	6	6	1,000	550.0	350.0	700.0	1,000.0	800.0	1,200.0	Up	
PT135	GasUST@B5374	25,000-gallon UST, Gasoline @ B5374	Round	6	6	1,750	70.0	70.0	70.0	4.0	4.0	4.0	Up	
PT147	NGBlr1@B5418	1.674 MMBtu/hr NG Boiler #1 @ B5418	Round	20	60	1,000	385.0	385.0	385.0	675.0	675.0	675.0	Up	
PT148	NGBlr2@B5418	1.674 MMBtu/hr NG Boiler #2 @ B5418	Round	20	60	1,000	385.0	385.0	400.0	675.0	675.0	803.5	Up	
PT149	NGBlr3@B5418	1.674 MMBtu/hr NG Boiler #3 @ B5418	Round	20	60	1,000	385.0	385.0	400.0	650.0	650.0	665.3	Up	
PT150	NGBlr1@B5455	1.386 MMBtu/hr NG Boiler #1 @ B5455	Round	20	60	1,000	385.0	385.0	400.0	650.0	650.0	665.3	Up	
PT151	NGBlr2@B5455	1.386 MMBtu/hr NG Boiler #2 @ B5455	Round	20	60	1,000	385.0	385.0	400.0	650.0	650.0	665.3	Up	
PT152	NGBlr1@B5505	1.386 MMBtu/hr NG Boiler #1 @ B5505	Round	10	36	1,000	385.0	385.0	400.0	650.0	650.0	665.3	Up	
PT153	NGBlr2@B5505	1.386 MMBtu/hr NG Boiler #2 @ B5505	Round	10	36	1,000	385.0	385.0	400.0	650.0	650.0	665.3	Up	
PT157	NGBlr1@B5610	1.5 MMBtu/hr NG Boiler #1 @ B5610	Round	10	24	1,000	385.0	385.0	400.0	650.0	650.0	665.3	Up	
PT161	NGB1-2@B5904	1.39 MMBtu/hr Boilers @ B5904	Round	14	21	1,000	385.0	385.0	400.0	1,538.5	1,461.0	1,631.6	Horizontal	
PT165	NGBlr@B5953	3.103 MMBtu/hr NG Boiler @ B5953	Round	10	45	1,000	385.0	385.0	400.0	800.0	650.0	1,489.4	Up	
PT166	PB@B8304	Paint Booth in B8304	Rectangle	48	18	300	70.0	60.0	80.0	15,000.0	10,000.0	32,000.0	Horizontal	

JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA (45924)
BOP190004

Date: 11/30/2022

New Jersey Department of Environmental Protection
Emission Points Inventory

PT NJID	Facility's Designation	Description	Config.	Equiv. Diam. (in.)	Height (ft.)	Dist. to Prop. Line (ft)	Exhaust Temp. (deg. F)			Exhaust Vol. (acfm)			Discharge Direction	PT Set ID
							Avg.	Min.	Max.	Avg.	Min.	Max.		
PT167	NGHrt1@B8304	3.11 MMBtu/hr NG Direct Fired Gas Heater Air Make-up Unit @B8304	Rectangle	42	18	300	385.0	385.0	400.0	650.0	650.0	650.0	Horizontal	
PT168	Blast@B8304	Abrasive Blaster	Round	79	111	300	70.0	70.0	70.0	10,000.0	8,000.0	18,000.0	Horizontal	
PT169	NGBlr1@B5139	2.08 MMBtu/hr NG Boiler #1 @ B5139	Round	28	40	1,000	385.0	385.0	500.0	500.0	300.0	520.0	Up	
PT170	NGBlr2@B5139	2.08 MMBtu/hr NG Boiler #2 @ B5139	Round	28	40	1,000	385.0	385.0	500.0	500.0	300.0	520.0	Up	
PT171	NGBlr@B99	1.082 MMBtu/hr NG Boiler @ B99	Round	10	40	1,000	385.0	385.0	400.0	650.0	650.0	665.3	Up	
PT174	FO2Blr@B5348	1.82 MMBtu/hr FO#2 Boiler @ B5348	Rectangle	3	40	1,000	400.0	200.0	500.0	1,000.0	300.0	1,100.0	Up	
PT175	NGHWH@B5404	1.05 MMBtu/hr NG Hot Water Heater @ B5404	Round	10	32	3,200	400.0	200.0	500.0	1,000.0	300.0	1,100.0	Up	
PT176	NGBlr1@B5405	1.0 MMBtu/hr NG Boiler #1 @ B5405	Round	10	32	3,200	400.0	200.0	500.0	1,000.0	300.0	1,100.0	Up	
PT177	NGBlr2@B5405	1.0 MMBtu/hr NG Boiler #2 @ B5405	Round	10	32	3,200	400.0	200.0	500.0	1,000.0	300.0	1,100.0	Up	
PT178	NGHWH@B5404	1.05 MMBtu/hr NG Water Heater @ B5405	Round	10	32	3,200	400.0	200.0	500.0	1,000.0	300.0	1,100.0	Up	
PT179	NGBlr1@B5406	1.0 MMBtu/hr NG Boiler #1 @ B5406	Round	10	32	3,200	400.0	200.0	500.0	1,000.0	300.0	1,100.0	Up	
PT180	NGBlr2@B5406	1.0 MMBtu/hr NG Boiler #2 @ B5406	Round	10	32	3,200	400.0	200.0	500.0	1,000.0	300.0	1,100.0	Up	
PT181	NGBlr3@B5406	1.35 MMBtu/hr NG Boiler #3 @ B5406	Round	10	32	3,200	400.0	200.0	500.0	1,000.0	300.0	1,100.0	Up	
PT182	NGBlr1@B5441	1.00 MMBtu/hr NG Boiler #1 @ B5441	Round	6	40	3,200	400.0	200.0	500.0	1,000.0	300.0	1,100.0	Up	

JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA (45924)
BOP190004

Date: 11/30/2022

New Jersey Department of Environmental Protection
Emission Points Inventory

PT NJID	Facility's Designation	Description	Config.	Equiv. Diam. (in.)	Height (ft.)	Dist. to Prop. Line (ft)	Exhaust Temp. (deg. F)			Exhaust Vol. (acfm)			Discharge Direction	PT Set ID
							Avg.	Min.	Max.	Avg.	Min.	Max.		
PT183	NGBlr2@B5441	1.00 MMBtu/hr NG Boiler #2 @ B5441	Round	6	40	3,200	400.0	200.0	500.0	1,000.0	300.0	1,100.0	Up	
PT184	NGBlr3@B5441	1.00 MMBtu/hr NG Boiler #3 @ B5441	Round	6	40	3,200	400.0	200.0	500.0	1,000.0	300.0	1,100.0	Up	
PT185	NGBlr1@B5519	1.00 MMBtu/hr NG Boiler #1 @ B5519	Round	10	30	3,200	400.0	200.0	500.0	1,000.0	300.0	1,100.0	Up	
PT186	NGBlr2@B5519	1.00 MMBtu/hr NG Boiler #2 @ B5519	Round	10	30	3,200	400.0	200.0	500.0	1,000.0	300.0	1,100.0	Up	
PT187	NGHWH1@5610	1.44 MMBtu/hr NG Hot Water Heater @ B5610	Round	12	28	3,200	400.0	200.0	500.0	1,000.0	300.0	1,100.0	Up	
PT188	NGHWH1@5640	1.44 MMBtu/hr NG Hot Water Heater @ B5640	Round	12	28	3,200	400.0	200.0	500.0	1,000.0	300.0	1,100.0	Up	
PT189	NGBlr1@B5645	1.81 MMBtu/hr NG Boiler #1 @ B5645	Round	18	65	3,200	400.0	200.0	500.0	1,000.0	300.0	1,100.0	Up	
PT190	NGBlr2@B5645	1.81 MMBtu/hr NG Boiler #2 @ B5645	Round	18	65	3,200	400.0	200.0	500.0	1,000.0	300.0	1,100.0	Up	
PT191	NGHWH@B5904	1.39 MMBtu/hr NG Hot Water Heater @ B5904	Round	6	8	1,000	385.0	385.0	400.0	650.0	650.0	665.3	Up	
PT194	NGB1-2@B5986	1.386 MMBtu/hr NG Boilers @ B5986	Round	14	22	6,000	400.0	200.0	500.0	2,012.0	1,224.0	2,200.0	Horizontal	
PT195	NGHWH@B5986	1.436 MMBtu/hr NG Hot Water Heater @ B5986	Round	10	32	6,000	400.0	200.0	500.0	1,000.0	300.0	1,100.0	Up	
PT196	FO2Blr@B6501	1.344 MMBtu/hr FO#2 Boiler @ B6501B	Round	10	30	6,400	400.0	200.0	500.0	1,000.0	300.0	1,100.0	Up	
PT199	NGBlr1@B5231	2.836 MMBTU/hr NG Boiler #1 @ B5231	Round	14	22	3,000	400.0	200.0	500.0	1,000.0	300.0	1,100.0	Up	
PT200	NGBlr2@B5231	2.836 MMBTU/hr NG Boiler #2 @ B5231	Round	14	22	3,000	400.0	200.0	500.0	1,000.0	300.0	1,100.0	Up	

JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA (45924)
BOP190004

Date: 11/30/2022

New Jersey Department of Environmental Protection
Emission Points Inventory

PT NJID	Facility's Designation	Description	Config.	Equiv. Diam. (in.)	Height (ft.)	Dist. to Prop. Line (ft)	Exhaust Temp. (deg. F)			Exhaust Vol. (acfm)			Discharge Direction	PT Set ID
							Avg.	Min.	Max.	Avg.	Min.	Max.		
PT201	NGBlr1@B4401	3.0 MMBTU/hr NG Boiler #1 @ B4401	Round	14	24	3,000	400.0	200.0	500.0	1,000.0	300.0	1,100.0	Up	
PT202	NGBlr2@B4401	3.0 MMBTU/hr NG Boiler #2 @ B4401	Round	14	24	3,000	400.0	200.0	500.0	1,000.0	300.0	1,100.0	Up	
PT203	NGBlr3@B4401	3.0 MMBTU/hr NG Boiler #3 @ B4401	Round	14	24	3,000	400.0	200.0	500.0	1,000.0	300.0	1,100.0	Up	
PT204	DEG250@5435	250 kW (2.41 MMBtu/hr) Diesel EmGen @ B5435	Round	4	10	1,000	829.0	500.0	1,157.0	1,456.0	1,000.0	1,730.0	Up	
PT205	NGHTR@B8304	3.75 MMBtu/hr NG Heater @ B8304	Rectangle	6	6	2,000	70.0	55.0	90.0	60,000.0	0.0	60,000.0	Up	
PT206	PB@B8404	Paint Booth in B8404	Round	48	25	300	70.0	60.0	80.0	16,000.0	0.0	32,000.0	Up	
PT207	NGHTR2@B8404	3.11 MMBtu/hr NG Direct Fired Gas Heater Air Make-up Unit @ B8404	Round	48	25	300	70.0	70.0	140.0	16,000.0	0.0	32,000.0	Up	
PT209	DEG180@B8534	180 kW (1.86 MMBtu/hr) Diesel EmGen @ B8534	Round	6	8	3,000	940.0	900.0	980.0	1,480.0	1,450.0	1,510.0	Up	
PT210	DEG125@B8531	125 kW (1.36 MMBtu/hr) Diesel EmGen @ B8531	Round	6	8	3,000	880.0	850.0	909.0	1,056.0	1,000.0	1,112.0	Up	
PT211	DEG250@B5632	250 kW (2.63 MMBtu/hr) Diesel EmGen @ B5632	Round	6	8	3,000	1,480.0	873.0	2,085.0	840.0	618.0	1,061.0	Up	
PT212	DEG250@B5523	250 kW (2.63 MMBtu/hr) Diesel EmGen @ B5523	Round	6	8	3,000	947.0	900.0	994.0	2,086.0	2,000.0	2,172.0	Up	
PT213	DEG400@B5951	400 kW (4.37 MMBtu/hr) Diesel EmGen @ B5951	Round	6	9	3,000	990.0	953.0	1,025.0	3,426.0	3,258.0	3,594.0	Up	
PT214	DEG150@B5417	150 kW (1.64 MMBtu/hr) Diesel EmGen @ 5417	Round	6	8	3,000	1,025.0	1,000.0	1,050.0	1,095.0	1,000.0	1,190.0	Up	
PT215	DEG400@B5631	400 kW (3.62 MMBtu/hr) Diesel EmGen @ B5631	Round	6	9	3,000	892.0	892.0	892.0	2,755.0	2,755.0	2,755.0	Horizontal	

JOINT BASE MCGUIRE-DIX-LAKEHURST:DIX AREA (45924)
BOP190004

Date: 11/30/2022

New Jersey Department of Environmental Protection
Emission Points Inventory

PT NJID	Facility's Designation	Description	Config.	Equiv. Diam. (in.)	Height (ft.)	Dist. to Prop. Line (ft)	Exhaust Temp. (deg. F)			Exhaust Vol. (acfm)			Discharge Direction	PT Set ID
							Avg.	Min.	Max.	Avg.	Min.	Max.		
PT216	DEG1500@B440	1500 kW (15.0 MMBut/hr) Diesel EmGen @ B4403	Round	12	12	3,000	835.0	665.0	915.0	11,000.0	4,815.0	12,065.0	Horizontal	
PT217	DEG100@B9013	100 kW (1.12 MMBtu/hr) Diesel EmGen @ B9013	Round	6	9	3,000	1,076.0	1,076.0	1,076.0	805.0	805.0	805.0	Horizontal	
PT218	DEG150@B8335	150 kW (1.30 MMBtu/hr) Diesel EmGen @ B8335 (Sewer Lift Station)	Round	6	8	1,000	800.0	600.0	900.0	1,100.0	800.0	1,500.0	Up	
PT219	NGBlr@B5612	1.0 MMBtu/hr NG Boiler @ B5612	Round	6	8	1,000	400.0	200.0	500.0	650.0	650.0	665.3	Up	
PT220	NGBlr@B5503	1.0 MMBtu/hr NG Boiler @ B5503	Round	6	8	1,000	400.0	200.0	500.0	650.0	650.0	665.3	Up	
PT221	NGBlr1@B6043	1.5 MMBtu/hr NG Boiler #1 @ B6043	Round	6	8	1,000	400.0	200.0	500.0	650.0	650.0	665.3	Up	
PT222	NGBlr2@B6043	1.5 MMBtu/hr NG Boiler #2 @ B6043	Round	6	8	1,000	400.0	200.0	500.0	650.0	650.0	665.3	Up	
PT223	NGBlr1@B5640	1.23 MMBtu/hr NG Boiler #1 @ B5640	Round	6	8	1,000	400.0	200.0	500.0	650.0	650.0	665.3	Up	
PT224	NGBlr2@B5640	1.23 MMBtu/hr NG Boiler #2 @ B5640	Round	6	8	1,000	400.0	200.0	500.0	650.0	650.0	665.3	Up	
PT225	NGBlr2@B6039	2.74 MMBtu/hr NG Boiler @ B6039	Round	6	8	1,000	400.0	200.0	500.0	650.0	650.0	665.3	Up	
PT226	NGBlr1@B8610	2.0 MMBtu/hr NG Boiler #1 @ B8610	Round	6	8	1,000	400.0	200.0	500.0	650.0	650.0	665.3	Up	
PT227	NGBlr2@B8610	2.0 MMBtu/hr NG Boiler #2 @ B8610	Round	6	8	1,000	400.0	200.0	500.0	650.0	650.0	665.3	Up	
PT228	FO2Blr@B8102	1.36 MMBtu/hr FO#2 Boiler #1 @ B8610	Round	6	8	1,000	400.0	200.0	500.0	650.0	650.0	665.3	Up	
PT229	FO2Blr@B8102	1.36 MMBtu/hr FO#2 Boiler #2 @ B8610	Round	6	8	1,000	400.0	200.0	500.0	650.0	650.0	665.3	Up	

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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.		
PT230	GASAST@B3151	2000-gallons Gasoline Aboveground Storage Tank (AST) @ B3151	Round	8	5	1,000	70.0	7.0	70.0	100.0	100.0	100.0	Up	
PT231	DEG100@B5860	100 kW (1.15 MMBtu/hr) Diesel EmGen @ B5860	Round	4	8	1,000	800.0	600.0	1,076.0	600.0	600.0	805.0	Up	
PT235	NGBlr@B2101	1.529 MMBtu/hr NG Boiler @ B2101	Round	10	6	1,000	126.0	100.0	150.0	450.0	400.0	500.0	Horizontal	
PT236	NGBlr@B5320	1.23 MMBtu/hr NG Boiler @ B5320	Round	10	5	1,000	140.0	40.0	200.0	494.0	400.0	550.0	Up	
PT237	NGBlr2@B5610	1.358 MMBtu/hr NG Boiler #2 @ B5610	Round	10	6	1,000	100.0	40.0	135.0	450.0	400.0	500.0	Horizontal	
PT239	D#1EG125@R1	125 kW (1.17 MMBtu/hr) Diesel EmGen #1 @ Range 1	Round	6	6	1,000	800.0	600.0	1,000.0	600.0	400.0	1,200.0	Horizontal	
PT240	D#2EG125@R1	125 kW (1.17 MMBtu/hr) Diesel EmGen #2 @ Range 1	Round	6	6	1,000	800.0	600.0	1,000.0	800.0	400.0	1,200.0	Horizontal	
PT241	DEG100@B9979	100 kW (1.19 MMBtu/hr) Diesel EmGen @ B9979	Round	6	6	1,000	800.0	600.0	1,000.0	800.0	400.0	1,200.0	Horizontal	
PT242	DEG100@B9984	100 kW (1.19 MMBtu/hr) Diesel EmGen @ B9984	Round	6	6	1,000	800.0	600.0	1,000.0	800.0	400.0	1,200.0	Horizontal	
PT243	D#3200EG@R1	200 kW (2.22 MMBtu/hr) Diesel EmGen #3 @ Range 1	Round	6	6	1,000	800.0	600.0	1,000.0	800.0	400.0	1,200.0	Horizontal	
PT244	D#4EG185@R1	185 kW (1.74 MMBtu/hr) Diesel EmGen #4 @ Range 1	Round	6	6	1,000	800.0	600.0	1,000.0	800.0	400.0	1,200.0	Horizontal	
PT245	DEG180@B5820	180 kW (1.89 MMBtu/hr) Diesel EmGen #4 @ Well#4	Round	5	14	33	690.0	400.0	980.0	986.0	600.0	1,371.0	Horizontal	
PT246	DEG180@B4295	180 kW (1.89 MMBtu/hr) Diesel EmGen @ B4295	Round	4	8	1,000	800.0	600.0	950.0	800.0	400.0	2,050.0	Up	
PT247	DEG177@B9691	177 kW (1.65 MMBtu/hr) Diesel EmGen @ B9691	Round	6	6	1,000	800.0	600.0	1,000.0	800.0	400.0	1,200.0	Horizontal	

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							Avg.	Min.	Max.	Avg.	Min.	Max.		
PT248	EOC S/B#1	80 hp Mobile Ordnance Deformer#1	Round	6	9	1,000	800.0	600.0	1,000.0	800.0	400.0	1,200.0	Horizontal	
PT250	DEG150@B8334	Emerg. Gen. E250 Stack	Round	4	6	5	775.0	600.0	950.0	1,099.0	1,000.0	1,197.0	Horizontal	
PT2321	Remed-TU970	TU970 - Stack (CatOx)	Round	4	20	100	250.0	200.0	400.0	220.0	140.0	350.0	Horizontal	PS 2321
PT2322	Remed-TU970	TU970 - Stack (VGAC)	Round	4	20	100	100.0	50.0	150.0	220.0	140.0	350.0	Horizontal	PS 2322
PT2331	Remed-NW044	NW044 - Stack (CatOx)	Round	4	20	100	250.0	200.0	400.0	220.0	140.0	350.0	Horizontal	PS 2331
PT2332	Remed-NW044	NW044 - Stack (VGAC)	Round	4	20	100	100.0	50.0	150.0	220.0	140.0	350.0	Horizontal	PS 2332
PT2341	Remed-TU019a	TU019a - Stack (CatOx)	Round	4	20	100	250.0	200.0	400.0	300.0	250.0	350.0	Horizontal	PS 2341
PT2342	Remed-TU019a	TU019a - Stack (VGAC)	Round	4	20	100	100.0	50.0	150.0	300.0	250.0	350.0	Horizontal	PS 2342

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U 1 NG Blrs 1-5 Sixty Six (66) - Natural Gas Fired Boilers/Heaters/Furnaces between 1 MMBtu/hr and < 5 MMBtu/hr

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS1	NGBlr@B5254	1.674 MMBtu/hr NG Boiler @ B5254	Normal - Steady State	E82		PT246 PT82	1-03-006-03	0.0	6,570.0		675.0	2,050.0	385.0	950.0
OS2	NGBlr@B5901	2.497 MMBtu/hr NG Boiler @ B5901	Normal - Steady State	E90		PT90	1-03-006-03	0.0	5,500.0		315.0	600.0	20.0	350.0
OS3	NGBlr1@B5418	1.674 MMBtu/hr NG Boiler #1 @ B5418	Normal - Steady State	E147		PT147	1-03-006-03	0.0	6,600.0		675.0	675.0	385.0	385.0
OS4	NGBlr2@B5418	1.674 MMBtu/hr NG Boiler #2 @ B5418	Normal - Steady State	E148		PT148	1-03-006-03	0.0	6,600.0		675.0	803.5	385.0	400.0
OS5	NGBlr3@B5418	1.674 MMBtu/hr NG Boiler #3 @ B5418	Normal - Steady State	E149		PT149	1-03-006-03	0.0	6,600.0		650.0	665.3	385.0	400.0
OS6	NGBlr1@B5455	1.386 MMBtu/hr NG Boiler #1 @ B5455	Normal - Steady State	E150		PT150	1-03-006-03	0.0	6,600.0		650.0	665.3	385.0	400.0
OS7	NGBlr2@B5455	1.379 MMBtu/hr NG Boiler #2 @ B5455	Normal - Steady State	E151		PT151	1-03-006-03	0.0	6,600.0		650.0	665.3	385.0	400.0
OS8	NGBlr1@B5505	1.386 MMBtu/hr NG Boiler #1 @ B5505	Normal - Steady State	E152		PT152	1-03-006-03	0.0	6,600.0		650.0	665.3	385.0	400.0
OS9	NGBlr2@B5505	1.386 MMBtu/hr NG Boiler #2 @ B5505	Normal - Steady State	E153		PT153	1-03-006-03	0.0	6,600.0		650.0	665.3	385.0	400.0
OS10	NGBlr1@B5610	1.5 MMBtu/hr NG Boiler #1 @ B5610	Normal - Steady State	E157		PT157	1-03-006-03	0.0	8,760.0		650.0	665.3	385.0	400.0
OS11	NGHWH1@B56	1.44 MMBtu/hr NG Hot Water Heater @ B5610	Normal - Steady State	E187		PT187	1-03-006-03	0.0	8,760.0		300.0	1,100.0	200.0	500.0
OS12	NGHWH1@B56	1.44 MMBtu/hr NG Hot Water Heater @ B5640	Normal - Steady State	E188		PT188	1-03-006-03	0.0	2,900.0		300.0	1,100.0	200.0	500.0
OS13	NGBlr2@B5904	1.386 MMBtu/hr NG Boiler #2 @ B5904	Normal - Steady State	E161		PT161	1-03-006-03	0.0	8,760.0		1,461.0	1,631.6	385.0	400.0
OS15	NGBlr@B5612	1.0 MMBtu/hr NG Boiler @ B5612	Normal - Steady State	E219		PT219	1-03-006-03	0.0	8,760.0		650.0	665.3	200.0	500.0
OS16	NGBlr@B5503	1.0 MMBtu/hr NG Boiler @ B5503	Normal - Steady State	E220		PT220	1-03-006-03	0.0	8,760.0		650.0	665.3	200.0	500.0

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U 1 NG Blrs 1-5 Sixty Six (66) - Natural Gas Fired Boilers/Heaters/Furnaces between 1 MMBtu/hr and < 5 MMBtu/hr

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS17	NGBlr1@B6043	1.5 MMBtu/hr NG Boiler #1 @ B6043	Normal - Steady State	E221		PT221	1-03-006-03	0.0	8,760.0		650.0	665.3	200.0	500.0
OS18	NGBlr2@B6043	1.5 MMBtu/hr NG Boiler #2 @ B6043	Normal - Steady State	E222		PT222	1-03-006-03	0.0	8,760.0		650.0	665.3	200.0	500.0
OS19	NGBlr1@B5640	1.23 MMBtu/hr NG Boiler #1 @ B5640	Normal - Steady State	E223		PT223	1-03-006-03	0.0	8,760.0		650.0	665.3	200.0	500.0
OS20	NGBlr2@B5640	1.379 MMBtu/hr NG Boiler #2 @ B5640	Normal - Steady State	E224		PT224	1-03-006-03	0.0	8,760.0		650.0	665.3	200.0	500.0
OS21	NGBlr@B6039	2.74 MMBTU/hr NG Boiler @ B6039	Normal - Steady State	E225		PT225	1-03-006-03	0.0	8,760.0		650.0	665.3	200.0	500.0
OS22	NGBlr1@B8610	2.0 MMBtu/hr NG Boiler #1 @ B8610	Normal - Steady State	E226		PT226	1-03-006-03	0.0	8,760.0		650.0	665.3	200.0	500.0
OS23	NGBlr2@B8610	2.0 MMBtu/hr NG Boiler #2 @ B8610	Normal - Steady State	E227		PT227	1-03-006-03	0.0	8,760.0		650.0	665.3	200.0	500.0
OS24	NGBlr@B2101	1.529 MMBtu/hr NG Boiler @ B2101	Normal - Steady State	E235		PT235	1-03-006-03	0.0	8,760.0		400.0	500.0	100.0	150.0
OS25	NGBlr@B5320	1.53 MMBtu/hr NG Boiler @ B5320	Normal - Steady State	E236		PT236	1-03-006-03	0.0	8,760.0		400.0	550.0	40.0	200.0
OS26	NGBlr2@B5610	1.5 MMBtu/hr NG Boiler #2 @ B5610	Normal - Steady State	E237		PT237	1-03-006-03	0.0	8,760.0		400.0	500.0	40.0	135.0
OS27	NGBlr@B5953	3.103 MMBtu/hr NG Boiler @ B5953	Normal - Steady State	E165		PT165	1-03-006-03	0.0	6,600.0		650.0	1,489.4	385.0	400.0
OS28	NGHTR1@B83(	3.11 MMBTU/hr NG Direct Fired Gas Heater Air Make-up Unit @ B8304	Normal - Steady State	E167		PT167	1-03-006-03	0.0	2,000.0		650.0	650.0	385.0	400.0
OS29	NGBlr1@B5139	2.08 MMBtu/hr NG Boiler #1 @ B5139	Normal - Steady State	E169		PT169	1-03-006-03	0.0	6,600.0		300.0	520.0	385.0	500.0
OS30	NGBlr2@B5139	2.08 MMBtu/hr NG Boiler #2 @ B5139	Normal - Steady State	E170		PT170	1-03-006-03	0.0	6,600.0		300.0	520.0	385.0	500.0

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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.
OS31	NGBlr@B99	1.082 MMBtu/hr NG Boiler @ B99	Normal - Steady State	E171		PT171	1-03-006-03	0.0	8,760.0		650.0	665.3	385.0	400.0
OS32	NGHWH@B540	1.05 MMBtu/hr NG Hot Water Heater @ B5404	Normal - Steady State	E175		PT175	1-03-006-03	0.0	2,950.0		300.0	1,100.0	200.0	500.0
OS33	NGBlr1@B5405	1.0 MMBtu/hr NG Boiler #1 @ B5405	Normal - Steady State	E176		PT176	1-03-006-03	0.0	1,500.0		300.0	1,100.0	200.0	500.0
OS34	NGBlr2@B5405	1.0 MMBtu/hr NG Boiler #2 @ B5405	Normal - Steady State	E177		PT177	1-03-006-03	0.0	1,500.0		300.0	1,100.0	200.0	500.0
OS35	NGHWH@B540	1.05 MMBtu/hr NG Hot Water Heater @ B5405	Normal - Steady State	E178		PT178	1-03-006-03	0.0	2,950.0		300.0	1,100.0	200.0	500.0
OS36	NGBlr1@B5406	1.05 MMBtu/hr NG Boiler #1 @ B5406	Normal - Steady State	E179		PT179	1-03-006-03	0.0	2,950.0		300.0	1,100.0	200.0	500.0
OS37	NGBlr2@B5406	1.05 MMBtu/hr NG Boiler #2 @ B5406	Normal - Steady State	E180		PT180	1-03-006-03	0.0	2,950.0		300.0	1,100.0	200.0	500.0
OS38	NGBlr3@B5406	1.35 MMBtu/hr NG Boiler #3 @ B5406	Normal - Steady State	E181		PT181	1-03-006-03	0.0	2,950.0		300.0	1,100.0	200.0	500.0
OS39	NGBlr1@B5441	1.0 MMBtu/hr NG Boiler #1 @ B5441	Normal - Steady State	E182		PT182	1-03-006-03	0.0	3,050.0		300.0	1,100.0	200.0	500.0
OS40	NGBlr2@B5441	1.0 MMBtu/hr NG Boiler #2 @ B5441	Normal - Steady State	E183		PT183	1-03-006-03	0.0	3,050.0		300.0	1,100.0	200.0	500.0
OS41	NGBlr3@B5441	1.0 MMBtu/hr NG Boiler #3 @ B5441	Normal - Steady State	E184		PT184	1-03-006-03	0.0	3,050.0		300.0	1,100.0	200.0	500.0
OS42	NGBlr1@5519	1.0 MMBtu/hr NG Boiler #1 @ B5519	Normal - Steady State	E185		PT185	1-03-006-03	0.0	2,950.0		300.0	1,100.0	200.0	500.0
OS43	NGBlr2@B5519	1.0 MMBtu/hr NG Boiler #2 @ B5519	Normal - Steady State	E186		PT186	1-03-006-03	0.0	2,950.0		300.0	1,100.0	200.0	500.0
OS44	NGBlr1@B5645	1.81 MMBtu/hr NG Boiler #1 @ B5645	Normal - Steady State	E189		PT189	1-03-006-03	0.0	2,950.0		300.0	1,100.0	200.0	500.0
OS45	NGBlr2@B5645	1.81 MMBtu/hr NG Boiler #2 @ B5645	Normal - Steady State	E190		PT190	1-03-006-03	0.0	2,950.0		300.0	1,100.0	200.0	500.0

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								Min.	Max.		Min.	Max.	Min.	Max.
OS46	NGBlr2@B5986	1.386 MMBtu/hr NG Boiler #2 @ B5986	Normal - Steady State	E194		PT194	1-03-006-03	0.0	2,950.0		1,224.0	2,200.0	200.0	500.0
OS48	NGBlr1@B5231	2.836 MMBtu/hr NG Boiler #1 @ B5231	Normal - Steady State	E199		PT199	1-03-006-03	0.0	2,950.0		300.0	1,100.0	200.0	500.0
OS49	NGBlr2@B5231	2.836 MMBtu/hr NG Boiler #2 @ B5231	Normal - Steady State	E200		PT200	1-03-006-03	0.0	2,950.0		300.0	1,100.0	200.0	500.0
OS50	NGBlr1@4401	3.0 MMBtu/hr NG Boiler #1 @ B4401	Normal - Steady State	E201		PT201	1-03-006-03	0.0	2,950.0		300.0	1,100.0	200.0	500.0
OS51	NGBlr2@4401	3.0 MMBtu/hr NG Boiler #2 @ B4401	Normal - Steady State	E202		PT202	1-03-006-03	0.0	2,950.0		300.0	1,100.0	200.0	500.0
OS52	NGBlr3@4401	2.0 MMBtu/hr NG Boiler #3 @ B4401	Normal - Steady State	E203		PT203	1-03-006-03	0.0	2,950.0		300.0	1,100.0	200.0	500.0
OS53	NGHTR@B8411	3.75 MMBtu/hr NG Heater @ B8411	Normal - Steady State	E205		PT205	1-03-006-03	0.0	8,760.0		0.0	60,000.0	55.0	90.0
OS54	NGHTR2@B83(	3.11 MMBTU/hr NG Direct Fired Gas Heater Air Make-up Unit @ B8304	Normal - Steady State	E207		PT207	1-03-006-03	0.0	8,760.0		0.0	32,000.0	70.0	140.0
OS55	NGBlr1@B5656	2 MMBTU/hr (HHV), NG Boiler (BOP190005)	Normal - Steady State	E7		PT8	1-03-006-03	0.0	8,760.0		1,950.0	2,316.0	200.0	500.0
OS56	NGBlr2@B5656	2 MMBTU/hr (HHV), NG Boiler (BOP190006)	Normal - Steady State	E8		PT8	1-03-006-03	0.0	8,760.0		1,950.0	2,316.0	200.0	500.0
OS57	NGBlr1@B5651	1.3 MMBTU/hr (HHV), NG Boiler (BOP190007)	Normal - Steady State	E14		PT14	1-03-006-03	0.0	8,760.0		13,128.0	15,596.0	200.0	893.0
OS58	NGBlr3@B5656	2 MMBTU/hr (HHV), NG Boiler (BOP190008)	Normal - Steady State	E9		PT8	1-03-006-03	0.0	8,760.0		1,950.0	2,316.0	200.0	500.0
OS59	NGBlr2@B5651	1.3 MMBTU/hr (HHV), NG Boiler (BOP190009)	Normal - Steady State	E18		PT14	1-03-006-03	0.0	8,760.0		13,128.0	15,596.0	200.0	893.0
OS60	NGBlr3@B5651	1.3 MMBTU/hr (HHV), NG Boiler (BOP190010)	Normal - Steady State	E23		PT14	1-03-006-03	0.0	8,760.0		13,128.0	15,596.0	200.0	893.0

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U 1 NG Blrs 1-5 Sixty Six (66) - Natural Gas Fired Boilers/Heaters/Furnaces between 1 MMBtu/hr and < 5 MMBtu/hr

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS61	NGBlr4@B5651	1.3 MMBTU/hr (HHV), NG Boiler (BOP190011)	Normal - Steady State	E28		PT14	1-03-006-03	0.0	8,760.0		13,128.0	15,596.0	200.0	893.0
OS62	NGBlr@B5654	1.25 MMBTU/hr (HHV), NG Boiler (BOP190012)	Normal - Steady State	E29		PT21	1-03-006-03	0.0	8,760.0		3,282.0	3,899.0	200.0	893.0
OS63	NGBlr@B6915	1.0 MMBTU/hr (HHV), NG Boiler (BOP190013)	Normal - Steady State	E35		PT28	1-03-006-03	0.0	8,760.0		3,282.0	3,899.0	200.0	893.0
OS64	NGBlr1@B5986	1.38 MMBTU/hr (HHV), NG Boiler (BOP190014)	Normal - Steady State	E40		PT194	1-03-006-03	0.0	8,760.0		1,224.0	2,200.0	200.0	500.0
OS65	NGBlr1@B5904	1.38 MMBTU/hr (HHV), NG Boiler (BOP190015)	Normal - Steady State	E41		PT161	1-03-006-03	0.0	8,760.0		1,461.0	1,631.6	385.0	400.0
OS66	NGBlr@B5340	1.04 MMBTU/hr (HHV), NG Boiler (BOP200001)	Normal - Steady State	E43		PT32		0.0	8,760.0		2,142.4	2,682.1	330.0	500.0
OS67	NGBlr@B5341	1.04 MMBTU/hr (HHV), NG Boiler (BOP200002)	Normal - Steady State	E50		PT35		0.0	8,760.0		2,142.4	2,682.1	330.0	500.0
OS68	NGBlr@B5359	1.04 MMBTU/hr (HHV), NG Boiler (BOP200003)	Normal - Steady State	E51		PT40		0.0	8,760.0		1,371.1	1,716.5	330.0	500.0

U 2 FO2 Blrs 1-5 Eight (8) - Diesel/Fuel Oil Boilers >= 1 MMBtu/hr and < 5 MMBtu/hr

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	FO2Blr@B3130	1.904 MMBtu/hr FO#2 Boiler @ B3130	Normal - Steady State	E75		PT75	1-03-005-01	0.0	8,760.0		568.0	628.0	315.0	385.0

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U 2 FO2 Blrs 1-5 Eight (8) - Diesel/Fuel Oil Boilers >= 1 MMBtu/hr and < 5 MMBtu/hr

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS2	FO2Blr@B5344	1.904 MMBtu/hr FO#2 Boiler @ B5344	Normal - Steady State	E87		PT87	1-03-005-01	0.0	5,200.0		568.0	628.0	315.0	385.0
OS3	FO2Blr@B5345	1.05 MMBtu/hr FO#2 Boiler @ B5345	Normal - Steady State	E88		PT88	1-03-005-01	0.0	8,300.0		568.0	628.0	315.0	385.0
OS4	FO2Blr@B5348	1.820 MMBtu/hr FO#2 Boiler @ B5348	Normal - Steady State	E174		PT174	1-03-005-01	0.0	2,950.0		300.0	1,100.0	200.0	500.0
OS5	FO2Blr@B6501	1.904 MMBtu/hr FO#2 Boiler @ B6501B	Normal - Steady State	E196		PT196	1-03-005-01	0.0	2,950.0		300.0	1,100.0	200.0	500.0
OS6	FO2Blr@B8102	1.36 MMBtu/hr FO#2 Boiler #1 @ B B8102	Normal - Steady State	E228		PT228	1-03-005-01	0.0	8,760.0		650.0	665.3	200.0	500.0
OS7	FO2Blr@B8102	1.36 MMBtu/hr FO#2 Boiler #2 @ B B8102	Normal - Steady State	E229		PT229	1-03-005-01	0.0	8,760.0		650.0	665.3	200.0	500.0
OS8	GOPBlr@B2113	1.01 MMBTU/hr (HHV), Boiler No. 2 Fuel Oil Only GOP-007-3 Boiler @ Bldg 2113	Normal - Steady State	E5		PT6	1-03-005-01	0.0	8,760.0		310.8	370.0	200.0	500.0

U 3 DEmGens Twenty Nine (29) - Diesel-Fired Emergency Generators

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS2	DEG#1@B4357	1000 kW (10.7 MMBtu/hr) Diesel EmGen #1 @ B4357	Standby	E68		PT68	2-01-001-02	0.0	100.0		10,450.0	11,550.0	950.0	1,050.0

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U 3 DEmGens Twenty Nine (29) - Diesel-Fired Emergency Generators

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.
OS3	DEG#2@B4357	1000 kW (10.7 MMBtu/hr) Diesel EmGen #2 @ B4357	Standby	E69		PT69	2-01-001-02	0.0	100.0		10,450.0	11,550.0	950.0	1,050.0
OS5	DEG400@B92	400 kW (4.263 MMBtu/hr) Diesel EmGen @ B92	Standby	E96		PT96	2-01-001-02	0.0	100.0		568.0	628.0	315.0	385.0
OS6	DEG200@B119(	200 kW (2.435 MMBtu/hr) Diesel EmGen @ B1190	Standby	E98		PT98	2-01-001-02	0.0	100.0		800.0	1,200.0	350.0	700.0
OS7	DEG750@B554	750 kW (7.1 MMBtu/hr) Diesel EmGen @ B5543	Standby	E102		PT102	2-01-001-02	0.0	100.0		800.0	1,200.0	350.0	700.0
OS8	DEG200@B528(	200 kW (2.4 MMBtu/hr) Diesel EmGen @ B5280	Standby	E104		PT104	2-01-001-02	0.0	100.0		800.0	1,200.0	350.0	700.0
OS9	DEG275@B706	275 kW (3.7 MMBtu/hr) Diesel EmGen @ B7061	Standby	E111		PT111	2-01-001-02	0.0	100.0		800.0	1,200.0	350.0	700.0
OS10	DEG275@B532	275 kW (2.558 MMBtu/hr) Diesel EmGen @ B5321	Standby	E133		PT133	2-01-001-02	0.0	100.0		800.0	1,200.0	350.0	700.0
OS11	DEG250@B543	250 kW (2.41 MMBtu/hr) Disel EmGen @ B5435	Standby	E204		PT204	2-01-001-02	0.0	100.0		1,000.0	1,191.0	500.0	1,157.0
OS13	DEG180@B853	180 kW (1.86 MMBtu/hr) Diesel EmGen @ B8534	Standby	E209		PT209	2-01-001-02	0.0	100.0		1,450.0	1,510.0	900.0	980.0
OS14	DEG125@B853	125 kW (1.36 MMBtu/hr) Diesel EmGen @ B8531	Standby	E210		PT210	2-01-001-02	0.0	100.0		1,000.0	1,112.0	850.0	909.0
OS15	DEG250@B563	250 kW (2.63 MMBtu/hr) Diesel EmGen @ B5632	Standby	E211		PT211	2-01-001-02	0.0	100.0		618.0	1,061.0	873.0	2,085.0
OS16	DEG250@B552	250 kW (2.62 MMBtu/hr) Diesel EmGen @ B5523	Standby	E212		PT212	2-01-001-02	0.0	100.0		2,000.0	2,172.0	900.0	994.0
OS17	DEG400@B595	400 kW (4.37 MMBtu/hr) Diesel EmGen @ B5951	Standby	E213		PT213	2-01-001-02	0.0	100.0		3,258.0	3,594.0	953.0	1,025.0
OS18	DEG160@B541	160 kW (1.64 MMBtu/hr) Diesel EmGen @ B5417	Standby	E214		PT214	2-01-001-02	0.0	100.0		1,000.0	1,190.0	1,000.0	1,050.0

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U 3 DEmGens Twenty Nine (29) - Diesel-Fired Emergency Generators

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.
OS19	DEG400@B563	400 kW (3.62 MMBtu/hr) Diesel EmGen @ B5631	Standby	E215		PT215	2-01-001-02	0.0	100.0		2,775.0	2,775.0	892.0	892.0
OS20	DEG1500@B44	1500 kW (14.988 MMBtu/hr) Diesel EmGen @ B4403	Standby	E216		PT216	2-01-001-02	0.0	100.0		4,815.0	12,065.0	665.0	915.0
OS21	DEG100@B901	100 kW (1.12 MMBtu/hr) Diesel EmGen @ B9013	Standby	E217		PT217	2-01-001-02	0.0	100.0		805.0	805.0	1,076.0	1,076.0
OS23	DEG100@B586	100 kW (1.15 MMBtu/hr) Diesel EmGen @ B5860	Standby	E231		PT231	2-01-001-02	0.0	100.0		600.0	805.0	600.0	1,076.0
OS24	D#1EG125@R1	125 kW (1.17 MMBtu/hr) Diesel EmGen #1 @ Range 1	Standby	E239		PT239	2-01-001-02	0.0	100.0		400.0	1,200.0	600.0	1,000.0
OS25	D#2EG125@R1	125 kW (1.17 MMBtu/hr) Diesel EmGen #2 @ Range 1	Standby	E240		PT240	2-01-001-02	0.0	100.0		400.0	1,200.0	600.0	1,000.0
OS26	DEG100@R1	100 kW (1.19 MMBtu/hr) Diesel EmGen @ Range 1	Standby	E241		PT241	2-01-001-02	0.0	100.0		400.0	1,200.0	600.0	1,000.0
OS30	DEG180@Well4	180 kW (1.89 MMBtu/hr) Diesel EmGen @ Well #4	Standby	E245		PT245	2-01-001-02	0.0	100.0		400.0	1,200.0	600.0	1,000.0
OS31	DEG180@B429	180 kW (1.89 MMBtu/hr) Diesel EmGen @ B4295	Standby	E246		PT246	2-01-001-02	0.0	100.0		400.0	2,050.0	600.0	950.0
OS32	DEG154@B969	154 kW (1.65 MMBtu/hr) Diesel EmGen @ B9691	Standby	E247		PT247	2-01-001-02	0.0	100.0		400.0	1,200.0	600.0	1,000.0
OS33	DEG155@B565	1.66 MMBTU/hr (HHV) Emerg. Gen. (177 kW) Diesel fuel, 100 hrs/yr (BOP190003)	Normal - Steady State	E6		PT7	2-01-001-02	0.0	100.0		1,005.5	1,197.0	600.0	950.0
OS34	DEG150@B833	1.60 MMBTU/hr (HHV) Emerg. Gen. (177 kW) Diesel fuel, 100 hrs/yr (BOP210001)	Normal - Steady State	E250		PT250	2-01-001-02	0.0	100.0					

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U 3 DEmGens Twenty Nine (29) - Diesel-Fired Emergency Generators

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS35	DEG100@B335	(EG-003-2) Emerg. Gen., 148 kW (BOP210002)	Normal - Steady State	E52		PT41	2-01-001-02	0.0	100.0					
OS36	DEG260@RNG1	(EG-003-2) Diesel Emerg. Gen., 285 kW, 4.70 MMBTU/hr (BOP210004)	Standby	E53		PT43	2-02-001-02	0.0	100.0			1,907.0		802.0

U 4 USTs Transfer Operations - Six (6) Gasoline Underground Storage Tanks (USTs) and one (1) Diesel UST

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	G#1UST@B536	10,000-gallon UST #1, Gasoline @ B5360	Normal - Steady State	E44		PT44	4-03-010-01	0.0	8,760.0		4.0	4.0	70.0	70.0
OS2	G#2UST@B536	10,000-gallon UST #2, Gasoline @ B5360	Normal - Steady State	E45		PT45	4-03-010-01	0.0	8,760.0		4.0	4.0	70.0	70.0
OS3	G#3UST@B536	10,000-gallon UST #3, Gasoline @ B5360	Normal - Steady State	E46		PT46	4-03-010-01	0.0	8,760.0		4.0	4.0	70.0	70.0
OS4	G#4UST@B536	10,000-gallon UST #4, Gasoline @ B5360	Normal - Steady State	E47		PT47	4-03-010-01	0.0	8,760.0		4.0	4.0	70.0	70.0
OS5	G#5UST@B536	10,000-gallon UST #5, Gasoline @ B5360	Normal - Steady State	E48		PT48	4-03-010-01	0.0	8,760.0		4.0	4.0	70.0	70.0
OS6	FO2UST@B537	25,000-gallon UST, Diesel Fuel Oil "VOC transfer Operations" @ B5374	Normal - Steady State	E120		PT120	4-03-010-19	0.0			4.0	4.0	70.0	70.0

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U 4 USTs Transfer Operations - Six (6) Gasoline Underground Storage Tanks (USTs) and one (1) Diesel UST

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS7	GasUST@B5374	25,000-gallon UST, Gasoline @ B5374	Normal - Steady State	E135		PT135	4-03-010-01	0.0	8,760.0		4.0	4.0	70.0	70.0

U 5 ASTs One (1) - Gasoline Aboveground Storage Tanks (ASTs)

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	GasAST@B3151	2000-gallons Gasoline Aboveground Storage Tank (AST) @ B3151	Normal - Steady State	E230		PT230	4-03-010-01	0.0	8,760.0		100.0	100.0	7.0	70.0

U 6 Remediation Two (2) - Site Remediation NW044 by Building 5136, and TU019a by Buildings 3136 and 3137

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS3	Remed-NW044	NW044 - Catalytic Oxidizer - by Building 5136	Normal - Steady State	E233	CD2331 (P)	PT2331	5-04-103-13	2,160.0	4,320.0	H	140.0	350.0	200.0	400.0

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U 6 Remediation Two (2) - Site Remediation NW044 by Building 5136, and TU019a by Buildings 3136 and 3137

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS4	Remed-NW044	NW044 - Carbon Adsorption - by Building 5136	Normal - Steady State	E233	CD2332 (P) CD2333 (S)	PT2332	5-04-103-13	5,000.0	8,760.0	H	140.0	350.0	50.0	150.0
OS5	Remed-TU019a	TU019a - Catalytic Oxidizer - by Buildings 3136 and 3137	Normal - Steady State	E234	CD2341 (P)	PT2341	5-04-103-13	2,160.0	4,320.0	H	140.0	350.0	200.0	400.0
OS6	Remed-TU019a	TU019a - Carbon Adsorption - by Buildings 3136 and 3137	Normal - Steady State	E234	CD2342 (P) CD2343 (S)	PT2342	5-04-103-13	2,160.0		H	140.0	350.0	50.0	150.0

U 7 PSBs Two (2) - Paint Booths

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	PB@B8304	Paint Booth in B8304	Normal - Steady State	E166	CD166 (P)	PT166	4-02-999-98	0.0	5,000.0		10,000.0	32,000.0	60.0	80.0
OS2	PB@B8304	Paint Booth in B8304	Normal - Steady State	E206		PT206	4-02-001-01	0.0	2,800.0		0.0	32,000.0	60.0	80.0

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U 8 Blaster One (1) - Abrasive Blaster

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	Blast@B8304	Abrasive Blaster	Normal - Steady State	E168	CD167 (P)	PT168		0.0	2,080.0		8,000.0	18,000.0	70.0	70.0

U 9 Landfill One (1) - Landfill - Legacy landfill that is closed

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	Landfill	Landfill - legacy landfill that is closed	Normal - Steady State	E74		PT74		0.0	8,760.0		37.0	37.0	100.0	100.0

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U 10 EODs Mobile Ordnance Deformer

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	EOD S/B#1	80 hp Mobile Ordnance Deformer#1	Normal - Steady State	E248		PT248	2-02-001-02	0.0	2,080.0		600.0	1,000.0	400.0	1,200.0