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

PHILIP D. MURPHY
Governor

SHEILA Y. OLIVER
Lt. Governor

SHAWN M. LATOURETTE
COMMISSIONER

Air Pollution Control Operating Permit
Significant Modification

Permit Activity Number: BOP230001 **Program Interest Number: 78897**

Mailing Address	Plant Location
CHRISTOPHER ARCHER DEPUTY GROUP COMMANDER USDOD JBMDL 2403 VANDENBERG AVE - 87CES/787CES RT 547 BLDG 5 - ENVIRONMENTAL JB MDL, NJ 08641-5104	JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) Rt 547 - Bldg 5 Code 87 Ceg / 787 Ces Lakehurst Ocean County

Initial Operating Permit Approval Date: **September 6, 2002**

Operating Permit Approval Date: **DRAFT**

Operating Permit Expiration Date: **September 5, 2022– WITH APPLICATION SHIELD**

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 William Forero at (609) 292-1079.

Approved by:

_____

David J. Owen

Enclosure

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

Facility Name: JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST)
Program Interest Number: 78897
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Section A

Facility Name: JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST)
Program Interest Number: 78897
Permit Activity Number: BOP230001

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)	$PM_{2.5}$[2] (total)	Pb	HAPs* (total)	CO_2e[3]
Emission Units Summary	10.4	39.4	45.2	0.306	3.0	3.0	2.76	0.006	0.025	
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	10.4	39.4	45.2	0.306	3.0	3.0	2.76	0.006	0.025	74,665

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

Emissions from all Insignificant Source Operations and Non-Source Fugitive Emissions (tons per year)									
Source Categories	VOC (total)	NO_x	CO	SO_2	TSP (total)	PM_{10} (total)	$PM_{2.5}$[2] (total)	Pb	HAPs (total)
Insignificant Source Operations	8.81	23.3	15.3	0.42	1.69	1.66	N/A	N/A	N/A
Non-Source Fugitive Emissions	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

VOC: Volatile Organic Compounds
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] $PM_{2.5}$ has been included in air permitting rules as of December 9, 2017. Consequently, $PM_{2.5}$ totals in this section may not be up to date. The Department is in the process of updating these limits during each permit modification, and the entire permit will be updated at the time of permit renewal.
[3] Total CO_2e emissions for the facility.

Section A

Facility Name: JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST)
Program Interest Number: 78897
Permit Activity Number: BOP230001

POLLUTANT EMISSIONS SUMMARY

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

HAP	TPY
Arsenic	4.83E-5
Cadmium	2.66E-4
Chromium compounds	2.6E-4
Cobalt	2.056E-5
Dimethylbenz(a)anthracene(7,12)	3.86E-6
Formaldehyde	0.018
Led compounds	6.24E-3
Manganese compounds	8.26E-4
Manganese	0.00083
Nickel compounds	0.00133

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

Other Air Contaminant	TPY
N/A	

[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 (LAKEHURST)
Program Interest Number: 78897
Permit Activity Number: BOP230001

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 (LAKEHURST)
Program Interest Number: 78897
Permit Activity Number: BOP230001

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. #
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Section D

Facility Name: JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST)
Program Interest Number: 78897
Permit Activity Number: BOP230001

FACILITY SPECIFIC REQUIREMENTS AND INVENTORIES

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JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) (78897)
BOP230001

Date: 7/17/2023

New Jersey Department of Environmental Protection
Reason for Application

Permit Being Modified

Permit Class: BOP **Number:** 210004

Description of Modifications: This permit application requests to de-rate a NG Boiler (U19-E389) 103 MMBtu/hr NG boiler in Building 362 to 98.52 MMBtu/hr and revise the applicable permit conditions by incorporating the New Source Performance Standards (NSPS) Subpart Dc.

This modification results in facility-wide potential emissions decrease of 0.6 tons per year of volatile organic compounds (VOC), 0.1 tons per year of carbon monoxide (CO), 0.2 tons per year of nitrogen oxides (NOx), 0.002 tons per year of sulfur dioxide (SO2), and an increase of 0.24 tons per year of total suspended particulate matter (TSP), and 0.24 tons per year of particulate matter less than or equal to 10 microns in size (PM10).

New Jersey Department of Environmental Protection
Facility Specific Requirements

Subject Item: **FC**

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

New Jersey Department of Environmental Protection
Facility Specific Requirements

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

New Jersey Department of Environmental Protection
Facility Specific Requirements

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

New Jersey Department of Environmental Protection
Facility Specific Requirements

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

New Jersey Department of Environmental Protection
Facility Specific Requirements

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

New Jersey Department of Environmental Protection
Facility Specific Requirements

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

New Jersey Department of Environmental Protection
Facility Specific Requirements

Subject Item: **IS1 (167) Natural Gas Fired Boilers/Heaters < 1MMBtu/hr, IS2 (62) Propane Fired Boilers/Heaters <1 MMBtu/hr, IS13 (7) FBI Hanger Natural Gas Combustion Heaters < 1 MMBtu/hr**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	No visible emissions except for 3 minutes in any consecutive 30-minute period. [N.J.A.C. 7:27- 3.2(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Subject Item: **IS3 (15) Diesel Emergency Generators, each with heat input less than 1.0 MMBTU/hr**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Opacity <= 20 % , exclusive of visible, condensed water vapor, for more than 10 consecutive seconds. [N.J.A.C. 7:27- 3.5]	Opacity: Monitored by visual determination prior to permit expiration date, based on any consecutive 30-minute period. [N.J.A.C. 7:27-22.16(a)]	None.	None.
2	Sulfur Content in Fuel <= 15 ppmw (0.0015% by weight). Effective July 1, 2016. [N.J.A.C. 7:27- 9.2(b)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery 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	Generator fuel limited to # 2 fuel oil or diesel fuel. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
5	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 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; 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) [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system at the approved frequency. The owner or operator shall maintain on site and record the following information: 1. Once per month, the total operating time from the generator's hour meter, the fuel usage (gallons per month) and the hours of operation for emergency use (per month). Document if the emergency use was due to internal or external loss of primary source of energy. If internal loss at the facility, document the emergency that occurred, the damages to the primary source of energy and the amount of time needed for repairs. 2. For each time the emergency generator is specifically operated for testing or maintenance: i. The reason for its operation; ii. The date(s) of operation and the start up and shut down time; iii. The total operating time for testing or maintenance based on the generator's hour meter; and iv. The name of the operator; and 3. If a voltage reduction is the reason for the use of the emergency generator, a copy of the voltage reduction notification from PJM or other documentation of the voltage reduction. The owner or operator of an emergency generator shall maintain the above records for a period no less than 5 years after the record was made and shall make the records readily available to the Department or the EPA upon request. [N.J.A.C. 7:27-22.16(o)] 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
6	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. 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: **IS4 (4) WD-40 Coating Operation Equipment, using less than 0.5 gallons per hour of coating material in building 124**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	The total surface coating formulations containing VOC shall be applied at rates not in excess of one half gallon per hour and two and one half gallons per day. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by reviewing usage records and material specification sheets.[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 calendar day during operation. The owner or operator shall maintain readily accessible records. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Subject Item: **IS6 (42) ASTs <= 10,000 gallons capacity - Diesel/Fuel Oil #2**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Sulfur Content in Fuel <= 15 ppmw (0.0015% by weight). Effective July 1, 2016. [N.J.A.C. 7:27- 9.2(a)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery 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.
3	The operating temperature shall not be greater than 350 degrees F. [N.J.A.C. 7:27-22.1]	None.	None.	None.
4	The vapor pressure of the liquid, excluding the vapor pressure of water, shall be less than 0.02 psia at the liquid's actual temperature or at 70 degrees F, whichever is higher. [N.J.A.C. 7:27-22.1]	None.	None.	None.
5	The tank shall have no visible emissions, exclusive of water vapor, to the outdoor atmosphere. [N.J.A.C. 7:27-22.1]	None.	None.	None.
6	The tank shall not emit any air contaminants which may cause an odor detectable outside the property boundaries of the facility. [N.J.A.C. 7:27-22.1]	None.	None.	None.
7	The tank shall not qualify for any NESHAPS, MACT, or NSPS air pollution control standards, excluding the NSPS requirement to maintain a record of the contents of the tank, the period of storage of these contents, and the maximum true vapor pressure of the liquid stored. [N.J.A.C. 7:27-22.1]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
8	The tank's potential to emit each TXS and each HAP shall not exceed the de minimis reporting thresholds as specified in N.J.A.C. 7:27-22, Appendix [N.J.A.C. 7:27-22.1]	None.	None.	None.
9	The percentage by weight of all HAPs collectively in the raw material stored in the tank shall be less than 1.0 percent. [N.J.A.C. 7:27-22.1]	None.	None.	None.
10	The owner or operator shall have readily available, upon Department request, a statement certified in accordance with N.J.A.C. 7:27-1.39, signed by the responsible official, as defined at N.J.A.C. 7:27-1.4, that: (1) specifies the contents of the tank; (2) affirms that the tank meets the applicable requirements of Ref. #2 to #8 above; and (3) attests that the tank is in compliance with all other applicable state or federal air pollution requirements. [N.J.A.C. 7:27-22.1]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Subject Item: **IS8 (1) ASTs <=10,000 gallons capacity - Diesel (Tank Truck)**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Sulfur Content in Fuel <= 15 ppmw (0.0015% by weight). Effective July 1, 2016. [N.J.A.C. 7:27- 9.2(a)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery 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: **IS10 (4) ASTs < 2,000 gallons capacity - Used Oil**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Used oil generated on-site, combusted or blended, shall be limited to on-specification used oil as defined at N.J.A.C. 7:26A-6.2(a). These specifications are as follows: Arsenic <= 5 ppmw Cadmium <= 2 ppmw Chromium <= 10 ppmw Lead <= 100 ppmw Flash point >= 100º F Total halogens <= 1000 ppmw [N.J.A.C. 7:27-20]	Monitored by fuel sampling (e.g. oil) per change of material. Perform a lab analysis showing the constituents and properties listed in the Applicable Requirement. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by certified lab analysis results per change of material showing the constituents and properties listed in the Applicable Requirement. [N.J.A.C. 7:27-22.16(o)]	None.
2	On-specification used oil or processed used oil fuel may be blended with commercial fuel oil. The blend must meet the applicable sulfur standard of N.J.A.C. 7:27-9 and the ash content provisions of N.J.A.C. 7:27-20.8. [N.J.A.C. 7:27-20.6]	None.	None.	None.
3	Ash content <= 0.15 weight %. Maximum allowable ash content of on-specification used oil or any blends of on-specification used oil or processed used oil fuel with commercial fuel oil. [N.J.A.C. 7:27-20.8(a)]	Monitored by fuel sampling (e.g. oil) per change of material and measured with ASTM Standard Test Method for Ash from Petroleum Products by ASTM D 482-91. Perform a lab analysis showing ash content. [N.J.A.C. 7:27-20.8(c)] and [N.J.A.C. 7:27-20.8(d)]	Recordkeeping by certified lab analysis results per change of material showing ash content [N.J.A.C. 7:27-22.16(o)]	None.
4	Sulfur Content in Fuel <= 15 ppmw (0.0015% by weight). Effective July 1, 2016. [N.J.A.C. 7:27- 9.2(a)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery 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(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Subject Item: **IS11 (24) ASTs <=10,000 gallons capacity - Propane**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Sulfur Content in Fuel <= 15 ppmw (0.0015% by weight). Effective July 1, 2016. [N.J.A.C. 7:27- 9.2(a)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery 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: **IS12 (13) Degreasers - solvent cleaning tanks**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	No person shall add solvent to a cold cleaning machine or a heated cleaning machine, or cause, suffer, allow, or permit the machine to be operated, unless the following requirements are met: i. If the machine is an immersion cold cleaning machine or heated cleaning machine, it shall have: (1) A freeboard ratio of 0.75 or greater; and (2) A visible fill line and a high level liquid mark; ii. The machine shall have a permanent, conspicuous label placed in a prominent location on the machine setting forth the applicable provisions of the operating requirements in N.J.A.C. 7:27-16.6(j)2 below (Ref.#3 through 5); and iii. The machine shall be equipped with: (1) A tightly fitting working-mode cover that completely covers the machine's opening and that shall be kept closed at all times except when parts are being placed into or being removed from the machine or when solvent is being added or removed. For a remote reservoir cold cleaning machine which drains directly into the solvent storage reservoir, a perforated drain with a diameter of not more than six inches shall constitute an acceptable cover; and (2) If the machine is a heated cleaning machine, a thermostat. [N.J.A.C. 7:27-16.6(j)1]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
2	A person shall operate a cold cleaning machine or a heated cleaning machine in accordance with the following procedures: i. The solvent level in the machine shall not exceed the fill line when there are no parts in the machine for cleaning and shall not exceed the high level liquid mark during cleaning operations; ii. Flushing of parts with a solvent spray, using a spray head attached to a flexible hose or other flushing device, shall be performed only within the freeboard area of the machine. The solvent spray shall be a continuous fluid stream, not an atomized or shower spray, and shall be under a pressure that does not exceed ten pounds per square inch gauge; iii. Parts being cleaned shall be drained for at least 15 seconds or until dripping ceases, whichever is longer. Parts having cavities or blind holes shall be tipped or rotated while the part is draining. During the draining, tipping or rotating, the parts shall be positioned so that solvent drains directly back into the machine. [N.J.A.C. 7:27-16.6(j)2i, ii] and. [N.J.A.C. 7:27-16.6(j)2iii]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
3	A person shall operate a cold cleaning machine or a heated cleaning machine in accordance with the following procedures: iv. When the machine's cover is open, the machine shall not be exposed to drafts greater than 40 meters per minute (132 feet per minute), as measured between one and two meters (between 3.3 and 6.6 feet) upwind and at the same elevation as the tank lip; v. Sponges, fabric, leather, paper products and other absorbent materials shall not be cleaned in the machine; vi. When a pump-agitated solvent bath is used, the agitator shall be operated to produce a rolling motion of the solvent with no observable splashing of solvent against the tank walls or the parts being cleaned. Air agitated solvent baths may not be used; vii. Spills during solvent transfer and use of the machine shall be cleaned up immediately, and the wipe rags or other sorbent material used shall be immediately stored in covered containers for disposal or recycling; viii. Waste solvent shall be collected and stored in a closed container. The closed container may contain a device that allows pressure relief, provided that it does not allow liquid solvent to drain from the container. [N.J.A.C. 7:27-16.6(j)2iv through vii] and [N.J.A.C. 7:27-16.6(j)2viii]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
4	A person shall operate a cold cleaning machine or a heated cleaning machine in accordance with the following procedures: ix. Work area fans shall be located and positioned so that they do not blow across the opening of the degreaser unit; and x. If the machine is a heated cleaning machine, the solvent shall be maintained at a temperature that is below its boiling point. [N.J.A.C. 7:27-16.6(j)2ix] and [N.J.A.C. 7:27-16.6(j)2x]	None.	None.	None.
5	A person shall not use, in a cold cleaning machine or a heated cleaning machine, any solvent that has a vapor pressure of one millimeter of mercury or greater, measured at 20 degrees centigrade (68 degrees Fahrenheit). [N.J.A.C. 7:27-16.6(j)3]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
6	A person who owns or operates a cold cleaning machine or a heated cleaning machine shall maintain, for not less than two years after the date of purchase of solvent for use in the machine, the information specified below and shall, upon the request of the Department or its representative, provide the information to the Department: i. The name and address of the person selling the solvent. An invoice, bill of sale, or a certificate that corresponds to a number of sales, if it has the seller's name and address on it, may be used to satisfy this requirement; ii. A list of VOC(s) and their concentration information in the solvent; iii. Information about each VOC listed pursuant to ii above. A Material Safety Data Sheet (MSDS) may be used to satisfy this requirement; iv. The solvents product number assigned by the manufacturer; and v. The vapor pressure of the solvent measured in millimeters of mercury at 20 degrees centigrade (68 degrees Fahrenheit). [N.J.A.C. 7:27-16.6(j)4i through iv] and. [N.J.A.C. 7:27-16.6(j)4v]	None.	Other: Maintain readily available records for two years[N.J.A.C. 7:27-16.6(j)4].	None.
7	Solvent must contain less than 5% by weight of any combination of methylene chloride, perchloroethylene, 1,1,1-trichloroethane, carbon tetrachloride and chloroform. [40 CFR 63.Subpart(T)]	Other: At the time of filling, confirm by MSDS or bill of lading[40 CFR 63.Subpart(T)].	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Subject Item: **IS15 (2) Welding Processes < 12 lb/day of welding material**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	No visible emissions except for 3 minutes in any consecutive 30-minute period. [N.J.A.C. 7:27- 3.2(a)]	None.	None.	None.
2	Cobalt compounds <= 6.0E-7 lb/hr. Maximum hourly emissions (based on emission Factor 0.01lb/1000lb and 8 hr/day, 5 days/week, 52 weeks/yr). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	Chromium compounds <= 0.00000625 lb/hr. Maximum hourly emissions (based on emission Factor 0.01lb/1000lb and 8 hr/day, 5 days/week, 52 weeks/yr). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Nickel compounds <= 0.00078125 lb/hr. Maximum hourly emissions (based on emission Factor 1.25 lb/1000lb and 8 hr/day, 5 days/week, 52 weeks/yr), while using ERNiCRMo wire. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Subject Item: **IS16 (1) Diesel Fire Pump @ B673 with heat input less than 1.0 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). Effective July 1, 2016. [N.J.A.C. 7:27- 9.2(b)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery 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	AN EMERGENCY FIRE PUMP, 37 KW OR GREATER. 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, including other fire protection equipment, as recommended in writing by the fire pump or fire protection system manufacturer and/or as required in writing by a Federal or State law or regulation, 2. When there is power outage or the primary source of mechanical or thermal energy fails because of an emergency, 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, or 4. To provide power to pump water for fire suppression or protection, or in case of flood, even if there is no power outage and primary source of mechanical energy has not failed. [N.J.A.C. 7:27-22.16(a)] and [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. The owner or operator shall maintain on site and record the following information: 1. Once per month, the total operating time from the generator's hour meter. 2. For each time the emergency generator is specifically operated for testing or maintenance: i. The reason for its operation; ii. The date(s) of operation and the start up and shut down time; iii. The total operating time for testing or maintenance based on the generator's hour meter; and iv. The name of the operator; and 3. If a voltage reduction is the reason for the use of the emergency generator, a copy of the voltage reduction notification from PJM or other documentation of the voltage reduction. The owner or operator of an emergency generator shall maintain the above records for a period no less than five years after the record was made and shall make the records readily available to the Department or the EPA upon request. . [N.J.A.C. 7:27-19.11]	None.

IS16 (1) Diesel Fire Pump @ B673 with heat input less than 1.0 MMBTU/hr

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. 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.
6	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.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	Sulfur Content in Fuel <= 15 Parts per Million Beginning October 1, 2010, the CI internal combustion engines with a displacement of less than 30 liters per cylinder subject to NSPS IIII that use diesel fuel must use diesel fuel that contains the following per gallon standards: 15 ppm (0.0015 percent) maximum sulfur content and either a minimum cetane index of 40 or a maximum aromatic content of 35 volume percent, except that any existing diesel fuel purchased (or otherwise obtained) prior to October 1, 2010, may be used until depleted. [40 CFR 60.4207(b)]	Sulfur Content in Fuel: 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)]	Sulfur Content in Fuel: 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.
8	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. [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
9	The owner or operator of a fire pump engine that was manufactured starting with or after the model year that applies to the engine power rating and a rated speed in table 3 to NSPS IIII and must comply with the emission standards in 40 CFR 60.4205(c), must comply by purchasing an engine certified to the emission standards in 40 CFR 60.4205(c), 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). [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. 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.
10	Hours of Operation <= 100 hr/yr. 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. [40 CFR 60.4211(f)(2i)]	Hours of Operation: Monitored by hour/time monitor continuously. The owner or operator of an emergency stationary internal combustion engine that does not meet the standards applicable to non-emergency engines must install a non-resettable hour meter prior to startup of the engine. [40 CFR 60.4209(a)]	Hours of Operation: Recordkeeping by manual logging of parameter or storing data in a computer data system 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.

New Jersey Department of Environmental Protection
Facility Specific Requirements

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

Subject Item: **IS18 (1) Tumble Grit Blaster @ B124 E331-CD38 & CD39 < 50 lb/hr Material Process**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Opacity <= 20 %. Particulate emissions no greater than 20 opacity, exclusive of visible condensed water vapor, for more than 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	All particulate emissions from this source shall be exhausted through the particulate filter (cartridge) CD38 and the particulate filter (cartridge) CD39. Both particulate filters shall be operate at all times when the tumble grit blaster is in operation. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	Raw materials limited to steel parts. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	The permittee shall conduct cartridge replacement and maintenance on a schedule necessary to achieve the required particulate removal efficiency as specified by the manufacturer of CD 38 and CD 39- 2 (two) -Particulate Filters(Cartridge). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Maintain maintenance records.[N.J.A.C. 7:27-22.16(a)].	None.
5	Pressure Drop >= 0.5 and Pressure Drop <= 5 inches w.c.. Applies to CD38. [N.J.A.C. 7:27-22.16(a)]	Pressure Drop: Monitored by pressure drop instrument once per shift during operation. [N.J.A.C. 7:27-22.16(a)]	Pressure Drop: Recordkeeping by manual logging of parameter or storing data in a computer data system once per shift during operation. [N.J.A.C. 7:27-22.16(a)]	None.
6	Pressure Drop >= 0.1 and Pressure Drop <= 3 inches w.c.. Applies to CD39. [N.J.A.C. 7:27-22.16(a)]	Pressure Drop: Monitored by pressure drop instrument once per shift during operation. [N.J.A.C. 7:27-22.16(a)]	Pressure Drop: Recordkeeping by manual logging of parameter or storing data in a computer data system once per shift during operation. [N.J.A.C. 7:27-22.16(a)]	None.
7	Total Material Transferred <= 25.175 lb/hr. Abrasive Material (Media) Transferred. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by reviewing manufactures specifications.[N.J.A.C. 7:27-22.16(o)].	Total Material Transferred: Recordkeeping by or operator shall maintain records of manufacuturers specification.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
8	Total Production Rate <= 11.33 tons/yr. Abrasive Material (Media) Transferred during 900 hours per year operation. [N.J.A.C. 7:27-22.16(a)]	Total Production Rate: Monitored by calculations annually. [N.J.A.C. 7:27-22.16(a)]	Total Production Rate: Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27-22.16(a)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 (25) Natural Gas 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 except for a period of not longer than three minutes in any consecutive 30-minute period. [N.J.A.C. 7:27- 3.2]	None.	None.	None.
2	NOx (Total) <= 12.153 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	CO <= 10.185 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 (25) Natural Gas Boilers/Heaters/Furnaces between >= 1 MMBtu/hr and < 5 MMBtu/hr**
Operating Scenario: **OS1 1.26 MMBtu/hr Natural Gas-fired Boiler, located @B342**

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	CO <= 0.1 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	NOx (Total) <= 0.12 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	TSP <= 0.05 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	Natural Gas Usage <= 2.63 MMft^3/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Maximum Gross Heat Input <= 1.26 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(e)]	None.	Other: Maintain readily accessible records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 (25) Natural Gas Boilers/Heaters/Furnaces between >= 1 MMBtu/hr and < 5 MMBtu/hr**
Operating Scenario: **OS2 1.53 MMBtu/hr Natural Gas-fired Boiler, located @B33**

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	NOx (Total) <= 0.15 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	CO <= 0.13 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	TSP <= 0.05 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
5	Natural Gas Usage <= 3.18 MMft^3/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Maximum Gross Heat Input <= 1.53 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Maintain readily accessible records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 (25) Natural Gas Boilers/Heaters/Furnaces between >= 1 MMBtu/hr and < 5 MMBtu/hr**
Operating Scenario: **OS4 1.36 MMBtu/hr Natural Gas-fired Boiler, located @B596**

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	NOx (Total) <= 0.13 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	CO <= 0.11 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	TSP <= 0.05 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	Natural Gas Usage <= 3.75 MMft^3/yr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
6	Maximum Gross Heat Input <= 1.36 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Maintain readily accessible records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 (25) Natural Gas Boilers/Heaters/Furnaces between >= 1 MMBtu/hr and < 5 MMBtu/hr**
Operating Scenario: **OS5 2.50 MM Btu/hr Natural Gas-fired Boiler, located @B150**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.5 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	NOx (Total) <= 0.25 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	CO <= 0.21 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	TSP <= 0.05 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
5	Natural Gas Usage <= 4.5 MMft^3/yr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
6	Maximum Gross Heat Input <= 2.5 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(e)]	None.	Other: Maintain readily accessible records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 (25) Natural Gas Boilers/Heaters/Furnaces between >= 1 MMBtu/hr and < 5 MMBtu/hr**
Operating Scenario: **OS6 1.35 MMBtu/hr Natural Gas-fired Boiler, located @B608**

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	NOx (Total) <= 0.17 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	CO <= 0.14 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	TSP <= 0.05 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
5	Natural Gas Usage <= 3.33 MMft^3/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Maximum Gross Heat Input <= 1.35 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Maintain readily accessible records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 (25) Natural Gas Boilers/Heaters/Furnaces between >= 1 MMBtu/hr and < 5 MMBtu/hr**
Operating Scenario: **OS7 1.00 MMBTU/hr NATURAL GAS FIRED WATER HEATER located @B33**

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	NOx (Total) <= 0.1 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	CO <= 0.08 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	TSP <= 0.05 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
5	Natural Gas Usage <= 2.08 MMft^3/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Maximum Gross Heat Input <= 1 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(e)]	None.	Other: Maintain readily accessible records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(a)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 (25) Natural Gas Boilers/Heaters/Furnaces between >= 1 MMBtu/hr and < 5 MMBtu/hr**
Operating Scenario: **OS8 1.51 MMBtu/hr Natural Gas-fired Boiler, located @B5**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.91 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	NOx (Total) <= 0.15 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	CO <= 0.12 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
4	TSP <= 0.05 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
5	Natural Gas Usage <= 3.15 MMft^3/yr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
6	Maximum Gross Heat Input <= 1.51 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Maintain readily accessible records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 (25) Natural Gas Boilers/Heaters/Furnaces between >= 1 MMBtu/hr and < 5 MMBtu/hr**
Operating Scenario: **OS9 1.51 MMBtu/hr - Natural Gas-fired Boiler, located @B88**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.91 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	NOx (Total) <= 0.15 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	CO <= 0.12 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	TSP <= 0.05 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	Natural Gas Usage <= 6.3 MMft^3/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Maximum Gross Heat Input <= 1.51 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Maintain readily accessible records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 (25) Natural Gas Boilers/Heaters/Furnaces between >= 1 MMBtu/hr and < 5 MMBtu/hr**

Operating Scenario: **OS10 4.18 MMBtu/hr Natural Gas-fired Boiler, located @B149, OS11 4.18 MMBtu/hr Natural Gas-fired Boiler, located @B149**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 2.51 lb/hr each boiler. 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	NOx (Total) <= 0.41 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	CO <= 0.34 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	TSP <= 0.05 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
5	Natural Gas Usage <= 13.5 MMft^3/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Maximum Gross Heat Input <= 4.18 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Maintain readily accessible records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 (25) Natural Gas Boilers/Heaters/Furnaces between >= 1 MMBtu/hr and < 5 MMBtu/hr**
Operating Scenario: **OS13 3.17 MM Btu/hr Natural Gas-fired Boiler, located @B562**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.9 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	NOx (Total) <= 0.31 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	CO <= 0.26 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	TSP <= 0.05 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
5	Natural Gas Usage <= 6.62 MMft^3/yr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
6	Maximum Gross Heat Input <= 3.17 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(e)]	None.	Other: Maintain readily accessible records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 (25) Natural Gas Boilers/Heaters/Furnaces between >= 1 MMBtu/hr and < 5 MMBtu/hr**
Operating Scenario: **OS15 2.20 MM Btu/hr Natural Gas-fired Boiler, located @B124**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.32 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	NOx (Total) <= 0.22 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	CO <= 0.18 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
4	TSP <= 0.05 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
5	Natural Gas Usage <= 6.88 MMft^3/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Maximum Gross Heat Input <= 2.2 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(e)]	None.	Other: Maintain readily accessible records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 (25) Natural Gas Boilers/Heaters/Furnaces between >= 1 MMBtu/hr and < 5 MMBtu/hr**
Operating Scenario: **OS17 4.18 MM Btu/hr Natural Gas-fired Boiler, located @B120**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 2.51 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	NOx (Total) <= 0.41 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	CO <= 0.34 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	TSP <= 0.05 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	Natural Gas Usage <= 13.5 MMft^3/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Maximum Gross Heat Input <= 4.18 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Maintain readily accessible records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 (25) Natural Gas Boilers/Heaters/Furnaces between >= 1 MMBtu/hr and < 5 MMBtu/hr**
Operating Scenario: **OS18 3.25 - MMBtu/hr - Natural Gas-fired Boiler, located @B1**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.95 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	NOx (Total) <= 0.32 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	CO <= 0.27 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	TSP <= 0.05 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	Natural Gas Usage <= 18.5 MMft^3/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Maximum Gross Heat Input <= 3.25 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Maintain readily accessible records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 (25) Natural Gas Boilers/Heaters/Furnaces between >= 1 MMBtu/hr and < 5 MMBtu/hr**
Operating Scenario: **OS19 3.25 - MMBtu/hr - Natural Gas-fired Boiler, located @B1**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.95 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	NOx (Total) <= 0.32 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	CO <= 0.27 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	TSP <= 0.05 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	Natural Gas Usage <= 23.2 MMft^3/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Maximum Gross Heat Input <= 3.25 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Maintain readily accessible records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 (25) Natural Gas Boilers/Heaters/Furnaces between >= 1 MMBtu/hr and < 5 MMBtu/hr**
Operating Scenario: **OS20 1.00 MMBtu/hr Natural Gas Boiler at the Water Tower, located @B680**

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	NOx (Total) <= 0.1 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	CO <= 0.08 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	TSP <= 0.05 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	Natural Gas Usage <= 8.59 MMft^3/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Maximum Gross Heat Input <= 1 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Maintain readily accessible records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 (25) Natural Gas Boilers/Heaters/Furnaces between >= 1 MMBtu/hr and < 5 MMBtu/hr**

Operating Scenario: **OS21 1.36 MMBTU/hr NG Boilers located @B356, OS22 1.36 MMBTU/hr NG Boilers located @B356**

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	NOx (Total) <= 0.13 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	CO <= 0.11 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	TSP <= 0.05 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	Natural Gas Usage <= 11.4 MMft^3/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Maximum Gross Heat Input <= 1.36 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Maintain readily accessible records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 (25) Natural Gas Boilers/Heaters/Furnaces between >= 1 MMBtu/hr and < 5 MMBtu/hr**
Operating Scenario: **OS25 1.25 MMBtu/hr Natural Gas-fired Furnace, located @B851**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.91 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	NOx (Total) <= 0.12 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	CO <= 0.1 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	TSP <= 0.05 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	Natural Gas Usage <= 10.7 MMft^3/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Maximum Gross Heat Input <= 1.25 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Maintain readily accessible records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 (25) Natural Gas Boilers/Heaters/Furnaces between >= 1 MMBtu/hr and < 5 MMBtu/hr**
Operating Scenario: **OS26 1.925 MMBTU/hr NG Furnace @ B124**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.16 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	NOx (Total) <= 0.19 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	CO <= 0.16 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	TSP <= 0.05 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	Maximum Gross Heat Input <= 1.93 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Maintain readily accessible records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
6	Natural Gas Usage <= 16.5 MMft^3/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 (25) Natural Gas Boilers/Heaters/Furnaces between >= 1 MMBtu/hr and < 5 MMBtu/hr**
Operating Scenario: **OS27 1.527 MMBTU/hr NG Boiler @ B481**

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	NOx (Total) <= 0.15 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	CO <= 0.13 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	TSP <= 0.05 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	Maximum Gross Heat Input <= 1.53 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Maintain readily accessible records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
6	Natural Gas Usage <= 13.11 MMft^3/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 (25) Natural Gas Boilers/Heaters/Furnaces between >= 1 MMBtu/hr and < 5 MMBtu/hr**
Operating Scenario: **OS28 One (1) Natural Gas Boiler GOP-0007-4 @ B191**

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 the rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	NOx (Total) <= 0.236 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	CO <= 0.198 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	TSP <= 0.05 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	Maximum Gross Heat Input <= 2.41 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Maintain readily accessible records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
6	Natural Gas Usage <= 5.2 MMft^3/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 (25) Natural Gas Boilers/Heaters/Furnaces between >= 1 MMBtu/hr and < 5 MMBtu/hr**
Operating Scenario: **OS29 1.166 MMBtu/hr natural gas heater #1 at bldg 149**

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 the rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	NOx (Total) <= 0.114 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	CO <= 0.096 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	TSP <= 0.05 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	Maximum Gross Heat Input <= 1.166 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Maintain readily accessible records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 (25) Natural Gas Boilers/Heaters/Furnaces between >= 1 MMBtu/hr and < 5 MMBtu/hr**
Operating Scenario: **OS30 1.749 MMBtu/hr natural gas heater #2 at bldg 149**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.05 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	NOx (Total) <= 0.171 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	CO <= 0.144 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	TSP <= 0.05 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	Maximum Gross Heat Input <= 1.749 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Maintain readily accessible records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 (25) Natural Gas Boilers/Heaters/Furnaces between >= 1 MMBtu/hr and < 5 MMBtu/hr**
Operating Scenario: **OS31 1.866 MMBtu/hr natural gas heater #3 at bldg 149**

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 the rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	NOx (Total) <= 0.183 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	CO <= 0.154 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	TSP <= 0.05 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	Maximum Gross Heat Input <= 1.866 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Maintain readily accessible records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U2 Nine (9) Natural Gas Boilers/Heaters/Furnaces between 5 MMBtu/hr and 10 MMBtu/hr**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	No visible emissions except for a period of not longer than three minutes in any consecutive 30-minute period. [N.J.A.C. 7:27- 3.2]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
2	The owner or operator of an industrial/commercial/institutional boiler or other indirect heat exchanger with a gross heat input of at least five million BTU per hour or more shall adjust the combustion process annually in the same quarter of each calendar year. The adjustment of the combustion process shall be done in accordance with the procedure set forth at N.J.A.C. 7:27-19.16. [N.J.A.C. 7:27-16.8(b)], [N.J.A.C. 7:27-16.8(c)] and [N.J.A.C. 7:27-19.7(g)]	Monitored by periodic emission monitoring annually. The owner or operator shall perform the adjustment of the combustion process in accordance with the specific procedures for combustion adjustment monitoring specified in NJDEP Technical Manual 1005 and the procedure set forth at N.J.A.C. 7:27-19.16(a) as follows: 1.Inspect the burner, and clean or replace any components of the burner as necessary; 2. Inspect the flame pattern and make any adjustments to the burner necessary to optimize the flame pattern consistent with the manufacturer's specifications; 3. Inspect the system controlling the air-to-fuel ratio, and ensure that it is correctly calibrated and functioning properly; 4. Minimize the total emissions of NOx and CO consistent with the manufacturer's specifications; 5. Measure the concentrations in the effluent stream of NOx, CO and O2 in ppmvd, before and after the adjustment is made; and 6. Convert the emission values of NOx, CO and O2 concentrations measured in lb/MMBTU according to the following formula: Lb/MMBTU = ppmvd * MW * F dry factor * O2 correction factor/387,000,000, where: ppmvd is the concentration in parts per million by volume, dry basis, of NOx or CO; MW is the Molecular Weight for NOx=46 lb/lb-mole, CO=28 lb/lb-mole; F Dry factor for: Natural Gas = 8,710 dscf/MMBTU, Residual or fuel oil = 9,190 dscf/MMBTU; O2 correction factor: (20.9%)/(20.9% - O2 measured), where O2 measured is percent oxygen on a dry basis. . [N.J.A.C. 7:27-19.16(a)]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon performing combustion adjustment of the following information for each adjustment: 1. The date of the adjustment and the times at which it began and ended; 2. The name, title and affiliation of the person who made the adjustment; 3. The NOx and CO concentrations in the effluent stream, in ppmvd, before and after each actual adjustment was made; 4. The concentration of O2 (in percent dry basis) at which the CO and NOx concentrations were measured; 5. A description of any corrective action taken; 6. Results from any subsequent test performed after taking any corrective action, including concentrations and converted emission values in (lb/MMBTU); 7. The type and amount of fuel used over the 12 months prior to the annual adjustment; 8. Any other information which the Department or the EPA has required as a condition of approval of any permit or certificate issued for the source operation. The records must be retained for a minimum of five years and to be made readily accessible to the Department upon request. . [N.J.A.C. 7:27-19.16(b)]	Submit a report: Annually. The owner or operator shall submit an annual adjustment combustion process report to the department within 45 days after the adjustment of the combustion process is completed. The report shall be submitted electronically to: www.njdeponline.com. Instructions for submitting this report online are specified at: http://www.nj.gov/dep/aqpp/adjustment.htm. [N.J.A.C. 7:27-19.16(d)] and . [N.J.A.C. 7:27-19.16(c)]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
3	The owner or operator of the adjusted equipment or source operation shall ensure that the operating parameter settings are established and recorded after the combustion process is adjusted and that the adjusted equipment or source operation is maintained to operate consistent with the annual adjustment. [N.J.A.C. 7:27-19.16(e)]	Other: Monitored by the operating parameter settings that are established after the combustion process is adjusted in order to operate consistent with the annual adjustment.[N.J.A.C. 7:27-19.16(e)].	Other: The owner or operator shall record the operating parameter settings that are established after the combustion process is adjusted and retain until the next annual adjustment, to be made readily accessible to the Department upon request. [N.J.A.C. 7:27-19.16(e)].	None.
4	An exceedance of an emission limit that occurs during an adjustment of the combustion process under N.J.A.C. 7:27-19.16(a) is not a violation of N.J.A.C. 7:27-19 if it occurs as a result of the adjustment. After the combustion adjustment has been completed, the maximum emission rate of any contaminant shall not exceed the maximum allowable emission rate applicable under N.J.A.C. 7:27-19 or under an operating permit issued pursuant to N.J.A.C. 7:27-22. [N.J.A.C. 7:27-19.16(f)]	None.	None.	None.
5	NOx (Total) <= 8.96 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	CO <= 7.52 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: **U2 Nine (9) Natural Gas Boilers/Heaters/Furnaces between 5 MMBtu/hr and 10 MMBtu/hr**

Operating Scenario: **OS1 5.50 MMBtu/hr NG Boiler @ B123, OS8 5.50 MMBTU/HR - NATURAL GAS FIRED BOILER, in API Facility @B678**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 3.3 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	NOx (Total) <= 0.54 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	CO <= 0.45 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	TSP <= 0.05 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	Maximum Gross Heat Input <= 5.5 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Maintain readily accessible records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
6	Natural Gas Usage <= 11.5 MMft^3/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U2 Nine (9) Natural Gas Boilers/Heaters/Furnaces between 5 MMBtu/hr and 10 MMBtu/hr**

Operating Scenario: **OS2 5.04 MMBTU/HR - NATURAL GAS FIRED BOILER, @B148, OS3 5.04 MMBTU/HR - NATURAL GAS FIRED BOILER, @B148, OS4 5.04 MMBTU/HR - NATURAL GAS FIRED BOILER, @B148, OS5 5.04 MMBTU/HR - NATURAL GAS FIRED BOILER, @B148, OS6 5.04 MMBTU/HR - NATURAL GAS FIRED BOILER, @B149, OS7 5.04 MMBTU/HR - NATURAL GAS FIRED BOILER, @B149**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 3 lb/hr Particulate emission limit from the combustion of fuel based on rated heat input of source, applies to each boiler. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	NOx (Total) <= 0.49 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	CO <= 0.42 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	TSP <= 0.05 lb/hr. Maximum emission rate from preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
5	Natural Gas Usage <= 16.7 MMft^3/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Maximum Gross Heat Input <= 5.04 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Maintain readily accessible records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U2 Nine (9) Natural Gas Boilers/Heaters/Furnaces between 5 MMBtu/hr and 10 MMBtu/hr**
Operating Scenario: **OS9 6.50 MMBtu/hr Natural Gas Boiler @B307**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 3.9 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	NOx (Total) <= 0.64 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	CO <= 0.53 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	TSP <= 0.05 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	Natural Gas Usage <= 55.8 MMft^3/yr Maximum annual fuel usage. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Maximum Gross Heat Input <= 6.5 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Maintain readily accessible records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U3 Four (4) Natural Gas Boilers greater than 10 MMBtu/hr and less than 100 MMBtu/hr**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Summary of Federal Applicable Requirements: Subpart Dc—STANDARDS OF PERFORMANCE FOR INDUSTRIAL-COMMERCIAL-INSTITUTI STEAM GENERATING UNITS [40 CFR 60]	None.	None.	None.
2	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]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
3	The owner or operator of an industrial/commercial/institutional boiler or other indirect heat exchanger with a gross heat input of at least five million BTU per hour or more shall adjust the combustion process annually in the same quarter of each calendar year. The adjustment of the combustion process shall be done in accordance with the procedure set forth at N.J.A.C. 7:27-19.16. [N.J.A.C. 7:27-16.8(b)], [N.J.A.C. 7:27-16.8(c)] and [N.J.A.C. 7:27-19.7(g)]	Monitored by periodic emission monitoring annually. The owner or operator shall perform the adjustment of the combustion process in accordance with the specific procedures for combustion adjustment monitoring specified in NJDEP Technical Manual 1005 and the procedure set forth at N.J.A.C. 7:27-19.16(a) as follows: 1.Inspect the burner, and clean or replace any components of the burner as necessary; 2. Inspect the flame pattern and make any adjustments to the burner necessary to optimize the flame pattern consistent with the manufacturer's specifications; 3. Inspect the system controlling the air-to-fuel ratio, and ensure that it is correctly calibrated and functioning properly; 4. Minimize the total emissions of NOx and CO consistent with the manufacturer's specifications; 5. Measure the concentrations in the effluent stream of NOx, CO and O2 in ppmvd, before and after the adjustment is made; and 6. Convert the emission values of NOx, CO and O2 concentrations measured in lb/MMBTU according to the following formula: Lb/MMBTU = ppmvd * MW * F dry factor * O2 correction factor/387,000,000, where: ppmvd is the concentration in parts per million by volume, dry basis, of NOx or CO; MW is the Molecular Weight for NOx=46 lb/lb-mole, CO=28 lb/lb-mole; F Dry factor for: Natural Gas = 8,710 dscf/MMBTU, Residual or fuel oil = 9,190 dscf/MMBTU; O2 correction factor: (20.9%)/(20.9% - O2 measured), where O2 measured is percent oxygen on a dry basis. [N.J.A.C. 7:27-19.16(a)]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon performing combustion adjustment of the following information for each adjustment: 1. The date of the adjustment and the times at which it began and ended; 2. The name, title and affiliation of the person who made the adjustment; 3. The NOx and CO concentrations in the effluent stream, in ppmvd, before and after each actual adjustment was made; 4. The concentration of O2 (in percent dry basis) at which the CO and NOx concentrations were measured; 5. A description of any corrective action taken; 6. Results from any subsequent test performed after taking any corrective action, including concentrations and converted emission values in (lb/MMBTU); 7. The type and amount of fuel used over the 12 months prior to the annual adjustment; 8. Any other information which the Department or the EPA has required as a condition of approval of any permit or certificate issued for the source operation. The records must be retained for a minimum of five years and to be made readily accessible to the Department upon request. [N.J.A.C. 7:27-19.16(b)]	Submit a report: Annually. The owner or operator shall submit an annual adjustment combustion process report to the department within 45 days after the adjustment of the combustion process is completed. The report shall be submitted electronically to: www.njdeponline.com. Instructions for submitting this report online are specified at: http://www.nj.gov/dep/aqpp/adjustment.htm. [N.J.A.C. 7:27-19.16(d)] and [N.J.A.C. 7:27-19.16(c)]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
4	The owner or operator of the adjusted equipment or source operation shall ensure that the operating parameter settings are established and recorded after the combustion process is adjusted and that the adjusted equipment or source operation is maintained to operate consistent with the annual adjustment. [N.J.A.C. 7:27-19.16(e)]	Other: Monitored by the operating parameter settings that are established after the combustion process is adjusted in order to operate consistent with the annual adjustment. [N.J.A.C. 7:27-19.16(e)].	Other: The owner or operator shall record the operating parameter settings that are established after the combustion process is adjusted and retain until the next annual adjustment, to be made readily accessible to the Department upon request. [N.J.A.C. 7:27-19.16(e)].	None.
5	An exceedance of an emission limit that occurs during an adjustment of the combustion process under N.J.A.C. 7:27-19.16(a) is not a violation of N.J.A.C. 7:27-19 if it occurs as a result of the adjustment. After the combustion adjustment has been completed, the maximum emission rate of any contaminant shall not exceed the maximum allowable emission rate applicable under N.J.A.C. 7:27-19 or under an operating permit issued pursuant to N.J.A.C. 7:27-22. [N.J.A.C. 7:27-19.16(f)]	None.	None.	None.
6	NOx (Total) <= 13.62 tons/yr based on annual fuel use limit. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	CO <= 17.35 tons/yr based on annual fuel use limit. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	SO2 <= 0.032 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	VOC (Total) <= 0.115 tons/yr based on annual fuel use limit. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
10	PM-10 (Total) <= 1.42 tons/yr based on annual fuel use limit. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
11	PM-2.5 (Total) <= 1.42 tons/yr based on annual fuel use limit. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
12	TSP <= 1.42 tons/yr based on annual fuel use 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
13	All requests, reports, applications, submittals, and other communications required by 40 CFR 60 shall be submitted in duplicate to the EPA Region II Administrator. [40 CFR 60.4(a)]	None.	None.	None.
14	Submit copy of all requests, reports, applications, submittals, and other communications required by 40 CFR 60 to the Regional Enforcement Office of NJDEP. [40 CFR 60.4(b)]	None.	None.	None.
15	The owner or operator shall furnish the Administrator written notification of the date reconstruction is commenced postmarked no later than 30 days after such date. [40 CFR 60.7(a)]	None.	None.	Submit notification: Upon occurrence of event to EPA Region II. [40 CFR 60.7(a)]
16	The owner or operator shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative. [40 CFR 60.7(b)]	None.	Recordkeeping by manual logging of parameter upon occurrence of event duration of any startup, shutdown, or malfunction. [40 CFR 60.7(b)]	None.
17	The permittee shall maintain a file of all information required by 40 CFR 60 recorded in a permanent form suitable for inspection. The file shall be retained for at least two years following the date of such measurements, maintenance, reports, and records. [40 CFR 60.7(f)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
18	The owner or operator, at all times, including periods of startup, shutdown, and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source. [40 CFR 60.11(d)]	None.	None.	None.
19	The owner or operator of each affected facility shall submit notification of the date of construction or reconstruction, anticipated startup, and actual startup, as provided by 40 CFR 60.7. This notification shall include information specified in 40 CFR 60.48c(a)1 through (a)4. [40 CFR 60.48c(a)]	None.	None.	Submit a report: Upon occurrence of event. [40 CFR 60.48c(a)]
20	The owner or operator of an affected facility that combusts only natural gas, wood, fuels using fuel certification in 40 CFR 60.48c(f), fuels not subject to an emission standard (excluding opacity), or a mixture of these fuels shall record and maintain records of the amount of each fuel combusted during each calendar month. [40 CFR 60.48c(g)(2)]	Monitored by gas use totalizing meter continuously, based on a consecutive 12 month period (rolling 1 month basis). [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. [40 CFR 60.48c(g)(2)]	None.
21	The owner or operator shall maintain all required records for a period of two years following the date of such record. [40 CFR 60.48c(i)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event keep all records required under 40 CFR 60.48c(g) for a period of two years following the date of such record. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U3 Four (4) Natural Gas Boilers greater than 10 MMBtu/hr and less than 100 MMBtu/hr**

Operating Scenario: **OS1 20.9 MMBtu/hr Natural Gas-fired Boiler, located @B362, OS2 20.9 MMBtu/hr Natural Gas-fired Boiler, located @B362**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 12.6 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	CO <= 1.67 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	NOx (Total) <= 1 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	PM-10 (Total) <= 0.15 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	PM-2.5 (Total) <= 0.15 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	TSP <= 0.15 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	VOC (Total) <= 0.11 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Natural Gas Usage <= 109.9 MMft^3 during any 12 consecutive 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. Cubic feet per consecutive 12-month period shall be calculated by the sum of the cubic feet consumed during any one month added to the sum of the cubic feet consumed during the preceding 11 months. [N.J.A.C. 7:27-22.16(o)]	None.
9	Maximum Gross Heat Input <= 20.9 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Maintain readily accessible records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U3 Four (4) Natural Gas Boilers greater than 10 MMBtu/hr and less than 100 MMBtu/hr**
Operating Scenario: **OS3 61.37 MMBtu/hr Natural Gas-fired Boiler, located @B362**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 36.8 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	CO <= 6.69 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	CO <= 100 ppmvd @ 7% O2. [N.J.A.C. 7:27-16.8(b)2]	None.	None.	None.
4	NOx (Total) <= 6.02 lb/hr. NOx emission limit is calculated based on the AP 42 emission factor of 100 lb/MM scf. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	NOx (Total) <= 0.1 lb/MMBTU. The maximum allowable emission limit becomes effective on the effective date of EPA's approval, as published in the Federal Register of the NJDEP's SIP revisions for the Alternative Emission Limit. [N.J.A.C. 7:27-19.13]	None.	None.	None.
6	The Alternative NOx Emission Limit will expire in ten (10) years from the date of approval of modification BOP150001. Any alternative emission limit approved by the Department after May 19, 2009 shall have a term of 10 years, unless the source operation or item of equipment with the alternative emission limit is modified, altered or reconstructed during the term of the plan. If the source operation or item is modified, altered or reconstructed, N.J.A.C. 7:27-19.13(b)6 or N.J.A.C. 7:27-19.13(k), as applicable, shall also apply. [N.J.A.C. 7:27-19.13(b)2]	None.	None.	Submit a report: As per the approved schedule. If the owner or operator of a facility that has an approved 10-year term alternative emission limit plans to continue operating under an alternative emission limit beyond the existing limit's expiration date, the owner or operator shall submit a request for a new alternative emission limit at least one year prior to the termination date of the existing alternative emission limit. The existing alternate emission limit shall terminate on its termination date or on the date of the Department's final action on the proposed new alternative emission limit, whichever is later. [N.J.A.C. 7:27-19.13(b)7]. [N.J.A.C. 7:27-19.13(b)7]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	PM-10 (Total) <= 0.444 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	TSP <= 0.444 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	VOC (Total) <= 0.322 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
10	VOC (Total) <= 50 ppmvd @ 7% O2. [N.J.A.C. 7:27-16.8(b)1]	None.	None.	None.
11	The permittee shall install, operate and maintain Low NOx Burners on the boiler.[N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
12	Natural Gas Usage <= 57 MMft^3 during any 12 consecutive months, based on BOP150001. [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. Cubic feet per consecutive 12-month period shall be calculated by the sum of the cubic feet consumed during any one month added to the sum of the cubic feet consumed during the preceding 11 months. . [N.J.A.C. 7:27-22.16(o)]	None.
13	Maximum Gross Heat Input <= 61.4 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Maintain readily accessible records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U3 Four (4) Natural Gas Boilers greater than 10 MMBtu/hr and less than 100 MMBtu/hr**
Operating Scenario: **OS4 98.5 MMBtu/hr Natural Gas-fired Boiller, located @B362 - NJ-68**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 59.1 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	CO <= 9.31 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	CO <= 100 ppmvd @ 7% O2. [N.J.A.C. 7:27-16.8(b)2]	None.	None.	None.
4	NOx (Total) <= 9.66 lb/hr. NOx emission limit is calculated based on the AP 42 emission factor of 100 lb/MM scf. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	NOx (Total) <= 0.1 lb/MMBTU. The maximum allowable emission limit becomes effective on the effective date of EPA's approval, as published in the Federal Register of the NJDEP's SIP revisions for the Alternative Emission Limit. [N.J.A.C. 7:27-19.13]	None.	None.	None.
6	The Alternative NOx Emission Limit will expire in ten (10) years from the date of approval of modification BOP150001. Any alternative emission limit approved by the Department after May 19, 2009 shall have a term of 10 years, unless the source operation or item of equipment with the alternative emission limit is modified, altered or reconstructed during the term of the plan. If the source operation or item is modified, altered or reconstructed, N.J.A.C. 7:27-19.13(b)6 or N.J.A.C. 7:27-19.13(k), as applicable, shall also apply. [N.J.A.C. 7:27-19.13(b)2]	None.	None.	Submit a report: As per the approved schedule. If the owner or operator of a facility that has an approved 10-year term alternative emission limit plans to continue operating under an alternative emission limit beyond the existing limit's expiration date, the owner or operator shall submit a request for a new alternative emission limit at least one year prior to the termination date of the existing alternative emission limit. The existing alternate emission limit shall terminate on its termination date or on the date of the Department's final action on the proposed new alternative emission limit, whichever is later. [N.J.A.C. 7:27-19.13(b)7]. [N.J.A.C. 7:27-19.13(b)7]

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Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	PM-10 (Total) <= 0.713 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	SO2 <= 0.0563 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	TSP <= 0.713 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
10	VOC (Total) <= 0.516 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
11	VOC (Total) <= 50 ppmvd @ 7% O2. [N.J.A.C. 7:27-16.8(b)1]	None.	None.	None.
12	The permittee shall install, operate and maintain Low NOx Burners on the boiler.[N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
13	Natural Gas Usage <= 108.6 MMft^3 during any 12 consecutive 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. Cubic feet per consecutive 12-month period shall be calculated by the sum of the cubic feet consumed during any one month added to the sum of the cubic feet consumed during the preceding 11 months. [N.J.A.C. 7:27-22.16(o)]	None.
14	Maximum Gross Heat Input <= 98.5 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(e)]	None.	Other: Maintain readily accessible records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U4 Ten (10) Diesel-Fired Emergency Generators**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Federal summary requirements NSPS - Subpart A—GENERAL PROVISIONS Subpart IIII—STANDARDS OF PERFORMANCE FOR STATIONARY COMPRESSION IGNITION INTERNAL COMBUSTION ENGINES [40 CFR 60]	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	Sulfur Content in Fuel <= 15 ppmw (0.0015% by weight). Effective July 1, 2016. [N.J.A.C. 7:27- 9.2(b)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery. [N.J.A.C. 7:27-22.16(o)]	Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading per delivery or analytical results for actual 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.

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Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
5	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 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; 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) [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system at the approved frequency. The owner or operator shall maintain on site and record the following information: 1. Once per month, the total operating time from the generator's hour meter, the fuel usage (gallons per month) and the hours of operation for emergency use (per month). Document if the emergency use was due to internal or external loss of primary source of energy. If internal loss at the facility, document the emergency that occurred, the damages to the primary source of energy and the amount of time needed for repairs. 2. For each time the emergency generator is specifically operated for testing or maintenance: i. The reason for its operation; ii. The date(s) of operation and the start up and shut down time; iii. The total operating time for testing or maintenance based on the generator's hour meter; and iv. The name of the operator; and 3. If a voltage reduction is the reason for the use of the emergency generator, a copy of the voltage reduction notification from PJM or other documentation of the voltage reduction. The owner or operator of an emergency generator shall maintain the above records for a period no less than 5 years after the record was made and shall make the records readily available to the Department or the EPA upon request. [N.J.A.C. 7:27-22.16(o)] 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
6	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. 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.
7	Generator fuel usage limited to diesel fuel. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	The Emergency Generator as defined in N.J.A.C. 7:27-19.1 cannot be used for load shaving, peaking power production, or generation in an agreement with a utility energy assistance program. [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 record in either a permanent bound log book, or in readily accessible computer memories, each occurrence of start-up: date, duration of emergency generator operation and reason and the name of a person making the entry. All records shall be maintained on-site for a minimum of 5 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
9	Hours of Operation <= 100 hr/yr for testing and maintenance. Applicable to each emergency generator. 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.
10	NOx (Total) <= 1.436 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
11	CO <= 0.668 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
12	VOC (Total) <= 0.115 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
13	SO2 <= 0.056 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
14	TSP <= 0.078 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
15	PM-10 (Total) <= 0.076 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
16	PM-2.5 (Total) <= 0.076 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
17	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, Air and Waste Management Division, U.S. Environmental Protection Agency, Federal Office Building, 26 Federal Plaza (Foley Square), New York, NY 10278. [40 CFR 60.4(a)]	None.	None.	Submit a report: As per the approved schedule Submit information to: Director, Air and Waste Management Division, U.S. Environmental Protection Agency, Federal Office Building, 26 Federal Plaza (Foley Square), New York, NY 10278. [40 CFR 60.4(a)]
18	All information required to be submitted to EPA under paragraph 40 CFR 60(a), must also be submitted to the NJDEP Regional Enforcement Office New Jersey Department of Environmental Protection, Central Regional Enforcement Office Mail Code 22-03A 401 East State Street P.O. Box 420 Trenton, NJ 08625 - 0420 [40 CFR 60.4(b)]	None.	None.	Submit a report: As per the approved schedule New Jersey Department of Environmental Protection, Central Regional Enforcement Office Mail Code 22-03A 401 East State Street P.O. Box 420 Trenton, NJ 08625 - 0420. [40 CFR 60.4(b)]
19	No owner or operator subject to the provisions of NSPS 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.(NSPA Subpart A) [40 CFR 60.12]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
20	Emission rate shall be expressed as kg/hr of any pollutant discharged into the atmosphere for which a standard is applicable. (NSPS Subpart A). [40 CFR 60.14(b)]	None.	None.	None.
21	If the owner or operator of an existing facility proposes to replace components, he shall notify the Administrator of the proposed replacements. (NSPS Subpart A). [40 CFR 60.15]	None.	None.	The notice must be postmarked 60 days (or as soon as practicable) before construction of the replacements is commenced and must include the information in 40 CFR 60.15. Submit notification: At a common schedule agreed upon by the operator and the Administrator. [40 CFR 60.15(d)]
22	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.
23	Naturally aspirated nonroad engines to which this subpart is applicable shall not discharge crankcase emissions into the ambient atmosphere, unless such crankcase emissions are permanently routed into the exhaust and included in all exhaust emission measurements. This provision applies to all Tier 2 engines and later models. This provision does not apply to engines using turbochargers, pumps, blowers, or superchargers for air induction. 40 CFR 89.112 (e) (NSPS Subpart IIII). [40 CFR 60]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
24	Stationary CI internal combustion engine manufacturers must certify their 2007 model year and later emergency stationary CI ICE with a maximum engine power less than or equal to 2,237 KW (3,000 HP) and a displacement of less than 10 liters per cylinder that are not fire pump engines to the emission standards specified in 40 CFR 60.4202(a)(1) and 40 CFR 60.4202(a)(2) For engines with a maximum engine power greater than or equal to 37 KW (50 HP), the certification emission standards for new nonroad CI engines for the same model year and maximum engine power in 40 CFR 89.112 and 40 CFR 89.113 for all pollutants beginning in model year 2007. (NSPS Subpart IIII). [40 CFR 60.4202(a)(2)]	Other: Starting with the model years shown in 40 CFR 60 Subpart IIII table 5, stationary CI internal combustion engine manufacturers must add a permanent label stating that the engine is for stationary emergency use only to each new emergency stationary CI internal combustion engine greater than or equal to 19 KW (25 HP) that meets all the emission standards for emergency engines in 40 CFR 60.4202 but does not meet all the emission standards for non-emergency engines in 40 CFR 60.4201. The label must be added according to the labeling requirements specified in 40 CFR 1039.135(b). Engine manufacturers must specify in the owner's manual that operation of emergency engines is limited to emergency operations and required maintenance and testing.[40 CFR 60.4210(f)].	Other: If the stationary CI internal combustion engine is an emergency stationary internal combustion engine, the owner or operator is not required to submit an initial notification. Starting with the model years in 40 CFR 60 Subpart IIII - table 5, if the emergency engine does not meet the standards applicable to non-emergency engines in the applicable model year, 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. The owner must record the time of operation of the engine and the reason the engine was in operation during that time.[40 CFR 60.4214(b)].	None.
25	NOx (Total) <= 4 grams/kW-hr. Limited to KW >= 130 (HP >= 175) Rated Brake Power (kW) Owners and operators of 2007 model year and later emergency stationary CI ICE with a displacement of less than 30 liters per cylinder that are not fire pump engines must comply with the emission standards for new nonroad CI engines in 40CFR 60.4202, for all pollutants, for the same model year and maximum engine power for their 2007 model year and later emergency stationary CI ICE. (NSPS Subpart IIII). [40 CFR 60.4205(b)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
26	CO <= 5 grams/kW-hr. Limited to KW >= 130 (HP >= 175) Rated Brake Power (kW) Owners and operators of 2007 model year and later emergency stationary CI ICE with a displacement of less than 30 liters per cylinder that are not fire pump engines must comply with the emission standards for new nonroad CI engines in 40CFR 60.4202, for all pollutants, for the same model year and maximum engine power for their 2007 model year and later emergency stationary CI ICE. (NSPS Subpart IIII). [40 CFR 89.112 (a)] and. [40 CFR 60.4205(b)]	None.	None.	None.
27	PM-10 (Total) <= 0.3 grams/kW-hr. Limited to KW >= 130 (HP >= 175) Rated Brake Power (kW) Owners and operators of 2007 model year and later emergency stationary CI ICE with a displacement of less than 30 liters per cylinder that are not fire pump engines must comply with the emission standards for new nonroad CI engines in 40CFR 60.4202, for all pollutants, for the same model year and maximum engine power for their 2007 model year and later emergency stationary CI ICE. (NSPS Subpart IIII). [40 CFR 89.112 (a)] and. [40 CFR 60.4205(b)]	None.	None.	None.
28	Owners and operators of 2007 model year and later emergency stationary CI ICE with a displacement of less than 30 liters per cylinder that are not fire pump engines must comply with the emission standards for new nonroad CI engines in 40 CFR 60.4202, for all pollutants, for the same model year and maximum engine power for their 2007 model year and later emergency stationary CI ICE. (NSPS Subpart IIII). [40 CFR 60.4205(b)]	Other: Keeping records of engine manufacturer data indicating compliance with the standards.[40 CFR 60.4211(b)(3)].	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
29	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.
30	The owners and operators of stationary CI ICE must operate and maintain stationary CI ICE that achieve the emission standards as required in 40 CFR 60.4204 and 40 CFR 60.4205 according to the manufacturer's written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer, over the entire life of the engine. (NSPS Subpart IIII). [40 CFR 60.4206]	None.	Other: The owner or operator shall keep the manufacturer's emission-related written instructions over the entire life of the engine.[40 CFR 60.4206].	None.
31	Beginning October 1, 2010, the CI internal combustion engines with a displacement of less than 30 liters per cylinder subject to NSPS IIII (manufactured after April 1, 2006 or modified or reconstructed after July 11, 2005) that use diesel fuel must use diesel fuel that meets the requirements of 40 CFR 80.510(b) that contains the following per gallon standards: 15 ppm (0.0015 percent) maximum sulfur content and either a minimum cetane index of 40 or a maximum aromatic content of 35 volume percent, except that any existing diesel fuel purchased (or otherwise obtained) prior to October 1, 2010, may be used until depleted. [40 CFR 60.4207(b)]	Monitored by review of fuel delivery records once per bulk fuel shipment. For each diesel delivery received, the owner or operator shall review written documentation of the delivery to ensure the maximum allowable fuel oil sulfur content and either a minimum cetane index or a maximum aromatic content is not being exceeded. Such written documentation can include, but is not limited to: bill of lading, delivery invoice, certificate of analysis. [N.J.A.C. 7:27-22.16(o)]	. 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). Recordkeeping by invoices / bills of lading / certificate of analysis once per bulk fuel shipment. [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
32	If you are an owner or operator, you must meet the monitoring requirements of this section. In addition, you must also meet the monitoring requirements specified in 40 CFR 60.4211. a) If you are an owner or operator of an emergency stationary CI internal combustion engine, you must install a non-resettable hour meter prior to startup of the engine. (b) If you are an owner or operator of a stationary CI internal combustion engine equipped with a diesel particulate filter to comply with the emission standards in 40 CFR 60.4204, the diesel particulate filter must be installed with a backpressure monitor that notifies the owner or operator when the high backpressure limit of the engine is approached. (NSPS Subpart IIII). [40 CFR 60.4209]	None.	None.	None.
33	If you are an owner or operator and must comply with the emission standards specified in this subpart, you 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. You must also meet the requirements of 40 CFR parts 89, 94 and/or 1068, as they apply to you. (NSPS Subpart IIII). [40 CFR 60.4211(a)]	None.	Other: The owner or operator shall keep the manufacturer's emission-related written instructions.[40 CFR 60.4211].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
34	The owner or operator of a 2007 model year and later stationary CI internal combustion engine complying with the emission standards specified in 40 CFR 60.4205(b), must comply by purchasing an engine certified to the emission standards in 40 CFR 60.4205(b), for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's emission-related specifications (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.
35	Emergency generators may be operated for the purpose of maintenance checks and readiness testing limited to 100 hours per year, provided that those tests are recommended by Federal, State, or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Anyone may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency ICE beyond 100 hours per year (NSPS Subpart IIII). [40 CFR 60.4211(f)]	Monitored by hour/time monitor continuously. The owner or operator of an emergency stationary internal combustion engine that does not meet the standards applicable to non-emergency engines must install a non-resettable hour meter prior to startup of the engine. [40 CFR 60.4209(a)]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The owner or operator must record the time of operation of the emergency engine and the reason the engine was in operation during that time. Starting with the model year 2011, 2012, or 2013, depending on the maximum engine power as provided in Table 5 in NSPS IIII, the owner or operator must keep records of the operation of the engine in emergency and non-emergency service that are recorded through the non-resettable hour meter if the emergency engine does not meet the standards in 40 CFR 60.4204, applicable to non-emergency engines, iin 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.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
36	Exhaust emissions from stationary CI ICE that are complying with the emission standards for new CI engines in 40 CFR 89.112 or 40 CFR 94.8, as applicable, must not exceed the NTE numerical requirements, rounded to the same number of decimal places as the applicable standard in 40 CFR 89.112 or 40 CFR 94.8, as applicable, determined from the following equation: NTE requirement for each pollutant = (1.25) x (STD) (Eq 1) Where: STD = The standard specified for that pollutant in 40 CFR 89.112 or 40 CFR 94.8, as applicable. Alternatively, stationary CI ICE that are complying with the emission standards for new CI engines in 40 CFR 89.112 or 40 CFR 94.8 may follow the testing procedures specified in 40 CFR 60.4213 of this subpart, as appropriate. [40 CFR 60.4212(c)]	None.	None.	None.
37	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 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: **U4 Ten (10) Diesel-Fired Emergency Generators**
Operating Scenario: **OS1 175 kW (2.07 MMBTU/hr) Diesel EmGen @ B282A**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.24 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	NOx (Total) <= 12.7 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	CO <= 2.76 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	VOC (Total) <= 1.04 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	SO2 <= 0.84 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	TSP <= 0.84 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	PM-10 (Total) <= 0.84 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	PM-2.5 (Total) <= 0.84 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Maximum Gross Heat Input <= 2.07 MMBTU/hr (HHV) (175 KW). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Maintain readily accessible records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U4 Ten (10) Diesel-Fired Emergency Generators**
Operating Scenario: **OS3 100 kW (1.2 MMBTU/hr) Diesel EmGen @ B313**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.72 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	NOx (Total) <= 2.56 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	CO <= 0.32 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	VOC (Total) <= 0.12 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	SO2 <= 0.16 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	TSP <= 0.08 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	PM-10 (Total) <= 0.08 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	PM-2.5 (Total) <= 0.08 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Maximum Gross Heat Input <= 1.2 MMBTU/hr (HHV) (100 KW). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Maintain readily accessible records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U4 Ten (10) Diesel-Fired Emergency Generators**
Operating Scenario: **OS4 200 kW (1.99 MMBTU/hr) Diesel EmGen @ Test Track**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.19 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	NOx (Total) <= 3.04 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	CO <= 1.16 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	VOC (Total) <= 0.12 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	SO2 <= 0.12 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	TSP <= 0.12 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	PM-10 (Total) <= 0.12 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	PM-2.5 (Total) <= 0.12 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Maximum Gross Heat Input <= 1.99 MMBTU/hr (HHV) (200 KW). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Maintain readily accessible records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U4 Ten (10) Diesel-Fired Emergency Generators**
Operating Scenario: **OS5 100 kW (1.19 MMBTU/hr) Diesel EmGen @ B120**

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	NOx (Total) <= 0.8 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	CO <= 1.04 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	VOC (Total) <= 0.08 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	TSP <= 0.24 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	PM-10 (Total) <= 0.24 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	PM-2.5 (Total) <= 0.24 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Maximum Gross Heat Input <= 1.19 MMBTU/hr (HHV) (100 KW). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Maintain readily accessible records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U4 Ten (10) Diesel-Fired Emergency Generators**
Operating Scenario: **OS7 100 KW (1.24 MMBTU/hr) Diesel EmGen @ B685**

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 the rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	CO <= 0.25 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	NOx (Total) <= 0.929 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	TSP <= 0.05 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	VOC (Total) <= 0.107 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Maximum Gross Heat Input <= 1.24 MMBTU/hr (HHV) (100 KW). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Maintain readily accessible records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U4 Ten (10) Diesel-Fired Emergency Generators**
Operating Scenario: **OS8 150 KW (1.64 MMBTU/hr) Diesel EmGen @ B362**

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 the rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	NOx (Total) <= 2.02 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	CO <= 1.6 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	PM-10 (Total) <= 0.121 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	TSP <= 0.121 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	PM-2.5 (Total) <= 0.121 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	VOC (Total) <= 0.329 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Maximum Gross Heat Input <= 1.64 MMBTU/hr (HHV) (150 KW). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Maintain readily accessible records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U4 Ten (10) Diesel-Fired Emergency Generators**
Operating Scenario: **OS9 150 kW (1.54 MMBtu/hr) Diesel EmGen @ B687**

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 the rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	NOx (Total) <= 0.208 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	CO <= 1.08 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	TSP <= 0.05 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	VOC (Total) <= 0.097 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Maximum Gross Heat Input <= 1.54 MMBTU/hr (HHV) (150 KW). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Maintain readily accessible records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U4 Ten (10) Diesel-Fired Emergency Generators**
Operating Scenario: **OS10 2.1 MMBTU/hr (HHV) (EG-003-2) Emerg. Gen. (200 kW) Diesel fuel, 100 hrs/yr**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.26 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	NOx (Total) <= 0.208 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	NOx (Total) <= 0.3 grams/brake horsepower-hour. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	CO <= 1.81 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	CO <= 2.61 grams/brake horsepower-hour. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	TSP <= 0.05 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	VOC (Total) <= 0.097 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	VOC (Total) <= 0.14 grams/brake horsepower-hour. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Maximum Gross Heat Input <= 2.1 MMBTU/hr (HHV) (200 KW). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Maintain readily accessible records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U4 Ten (10) Diesel-Fired Emergency Generators**
Operating Scenario: **OS11 (GOP-003) 5.2 MMBTU/hr (HHV) Emerg. Gen. (346 kW) Diesel fuel, 100 hrs/yr**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 3.12 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	NOx (Total) <= 3.498 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	NOx (Total) <= 0.3 grams/brake horsepower-hour. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	CO <= 0.788 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	CO <= 2.61 grams/brake horsepower-hour. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	TSP <= 0.05 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	VOC (Total) <= 0.048 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	VOC (Total) <= 0.14 grams/brake horsepower-hour. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Maximum Gross Heat Input <= 5.2 MMBTU/hr (HHV) (346 KW). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Maintain readily accessible records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U4 Ten (10) Diesel-Fired Emergency Generators**
Operating Scenario: **OS12 346 kW (3.16 MMBTU/hr emergency generator at B282**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.9 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	NOx (Total) <= 2.762 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	CO <= 2.557 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	PM-10 (Total) <= 0.113 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	TSP <= 0.113 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	PM-2.5 (Total) <= 0.113 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	VOC (Total) <= 0.307 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Maximum Gross Heat Input <= 3.16 MMBTU/hr (HHV) The owner or operator shall keep records of engine manufacturer data for the life of the equipment showing the rated Maximum Gross Heat Input, Maximum Rated Power Output, Model Year and Displacement. [N.J.A.C. 7:27-22.16(a)]	None.	Maximum Gross Heat Input: Recordkeeping by or operator shall keep records of engine manufacturer data for the life of the equipment showing the rated Maximum Gross Heat Input, Maximum Rated Power Output, Model Year and Displacement. [N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U5 Two (2) Natural Gas-fired Emergency Generators**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Federal requirements NSPS (Subpart JJJJ) applies to this emission unit. [N.J.A.C. 7:27-22.16(a)]	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	The emergency generator shall be located at the facility and produce mechanical or thermal energy, or electrical power exclusively for use at the facility. This emergency generator shall be operated only: 1. During the performance of normal testing and maintenance procedures, as recommended in writing by the manufacturer and/or as required in writing by a Federal or State law or regulation, 2. When there is power outage or the primary source of mechanical or thermal energy fails because of an emergency, or 3. When there is a voltage reduction issued by PJM and posted on the PJM internet website (www.pjm.com) under the "emergency procedures" menu. [N.J.A.C. 7:27-19.1]	Monitored by hour/time monitor continuously. The owner or operator shall install, calibrate and maintain a non-resettable hour meter in accordance with the manufacturer's specifications. In addition, the owner or operator shall monitor, once per month, the total operating time from the generator's hour meter; hours of operation for emergency use; hours of operation for testing and maintenance; and the total fuel usage calculated by the following: Fuel Usage (Cubic Feet per month) = (Hours of operation per month) x (Maximum emergency generator fuel usage rate in cubic feet per hour). Hours of operation for emergency use (per month) = (The monthly total operating time from the generator's hour meter) - (The monthly total operating time for testing or maintenance). [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system at the approved frequency. The owner or operator shall maintain on site and record the following information: 1. Once per month, the total operating time from the generator's hour meter, the fuel usage (cubic feet per month) and the hours of operation for emergency use (per month). Document if the emergency use was due to internal or external loss of primary source of energy. If internal loss at the facility, document the emergency that occurred, the damages to the primary source of energy and the amount of time needed for repairs. 2. For each time the emergency generator is specifically operated for testing or maintenance: i. The reason for its operation; ii. The date(s) of operation and the start up and shut down time; iii. The total operating time for testing or maintenance based on the generator's hour meter; and iv. The name of the operator; and 3. If a voltage reduction is the reason for the use of the emergency generator, a copy of the voltage reduction notification from PJM or other documentation of the voltage reduction. The owner or operator of an emergency generator shall maintain the above records for a period no less than 5 years after the record was made and shall make the records readily available to the Department or the EPA upon request. [N.J.A.C. 7:27-22.16(o)] & . [N.J.A.C. 7:27-19.11]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
4	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. 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.
5	The Emergency Generator as defined in N.J.A.C. 7:27-19.1 cannot be used for load shaving, peaking power production, or generation in an agreement with a utility energy assistance program. [N.J.A.C. 7:27-22.16(a)]	None.	Recordkeeping by manual logging of parameter upon occurrence of event. The permittee shall record in either a permanent bound log book, or in readily accessible computer memories, each occurrence of start-up: date, duration of emergency generator operation and reason and the name of a person making the entry. All records shall be maintained on-site for a minimum of 5 years. [N.J.A.C. 7:27-22.16(e)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
6	Hours of Operation <= 100 hr/yr for each emergency generator: The owner or operator shall comply with the maximum normal operating hours for normal testing and maintenance, entered by the Permittee in the General Operating Permit application, not to exceed 100 hours per year. [N.J.A.C. 7:27-22.16(a)]	Hours of Operation: Monitored by hour/time monitor upon occurrence of event, based on a 12 calendar month period. The permittee shall install, calibrate and maintain the monitor(s) in accordance with the manufacturer's specifications. The monitor(s) shall be ranged such that the allowable value is approximately mid-scale of the full range current/voltage output. [N.J.A.C. 7:27-22.16(o)]	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.
7	Generator fuel limited to natural gas or lean burn propane. [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	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 req . [N.J.A.C. 7:27-22.16(o)]	Submit notification: Upon occurrence of event the Permittee of the emergency generator must submit the Recordkeeping Requirements to the Department within 30 days of the occurrence of the emergency event. [N.J.A.C. 7:27-22.16(o)]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
9	NOx (Total) <= 0.189 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
10	CO <= 0.4 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
11	VOC (Total) <= 0.111 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
12	TSP <= 0.003 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
13	PM-10 (Total) <= 0.003 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
14	PM-2.5 (Total) <= 0.003 tons/yr. [N.J.A.C. 7:27-22.16(o)]	None.	None.	None.
15	The owner or operator shall change the oil and filter per manufacturer's recommended procedures and maintenance schedule. [N.J.A.C. 7:27-22.16(a)]	None.	Other: The owner or operator must keep records of the date and the hour meter reading at the time of each oil and filter replacement event. All records shall be maintained for a period of no less than five years and made readily accessible to the Department upon request. [N.J.A.C. 7:27-22.16(o)].	None.
16	The owner or operator shall inspect the spark plugs per manufacturer's recommended procedures and maintenance schedule, and replace as necessary. [N.J.A.C. 7:27-22.16(a)]	None.	Other: The owner or operator must keep records of the date and the hour meter reading at the time of each spark plugs inspection and/or replacement event. All records shall be maintained for a period of no less than five years and made readily accessible to the Department upon request. [N.J.A.C. 7:27-22.16(o)].	None.
17	The owner or operator shall inspect all hoses and belts per manufacturer's recommended procedures and maintenance schedule, and replace as necessary. [N.J.A.C. 7:27-22.16(a)]	None.	Other: The owner or operator must keep records of the date and the hour meter reading at the time of each hoses/belts inspection and/or replacement event. All records shall be maintained for a period of no less than five years and made readily accessible to the Department upon request. [N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
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. [40 CFR 60.12]	None.	None.	None.
19	If an owner or operator of an existing facility proposes to replace components, and the fixed capital cost of the new components exceeds 50 percent of the fixed capital cost that would be required to construct a comparable entirely new facility, he shall notify the Administrator of the proposed replacements. The notice must be postmarked 60 days (or as soon as practicable) before construction of the replacements is commenced. [40 CFR 60.15(d)]	None.	None.	Submit notification: Upon occurrence of event. [40 CFR 60.15(d)]
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. [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
21	The owner or operator of the emergency stationary spark ignition internal combustion engine (SI ICE) with a maximum engine power of HP >= 130 (kW >= 100) combusting natural gas or lean burn propane, manufactured on or after January 1, 2009 must comply with the emissions standards in Table 1 of 40 CFR 60 Subpart JJJJ as follows: NOx less than or equal to 2.0 g/HP-hr, CO less than or equal to 4.0 g/HP-hr, VOC less than or equal to 1.0 g/HP-hr. (NSPS Subpart JJJJ) [40 CFR 60.4233(e)]	Other: The owner and operator shall demonstrate compliance with this requirement by purchasing an engine certified to the applicable emission standards in Table 1 to NSPS Subpart JJJJ for the same engine type and maximum engine power. [40 CFR 60.4243(b)].	Other: The owner or operator of a certified SI ICE engine must keep the USEPA certificate of conformity showing the emergency generator is certified to conform with the emission standards of NSPS Subpart JJJJ for the equipment manufacture date, maximum engine power, engine type and fuel; and the owner or operator must keep records of the maintenance conducted on the engine. [40 CFR 60.4245(a)].	None.
22	The owner or operator of stationary spark ignition internal combustion engine (SI ICE) must operate and maintain SI ICE that achieve the emission standards as required in 40 CFR 60.4233 over the entire life of the engine. (NSPS Subpart JJJJ) [40 CFR 60.4234]	Other: Monitored by engine manufacturer data. [N.J.A.C. 7:27-22.16(o)].	Other: The owner or operator must keep records of the documentation that the engine meets the emission standards. [40 CFR 60.4245(a)].	None.
23	Starting on January 1, 2011, if the emergency stationary spark ignition internal combustion engine (SI ICE) that is greater than or equal to 130 HP and less than 500 HP that was built on or after January 1, 2011, does not meet the standards applicable to non-emergency engines, the owner or operator must install a non-resettable hour meter. [40 CFR 60.4237(b)]	Monitored by hour/time monitor continuously. The owner or operator of an emergency stationary internal combustion engine must install a non-resettable hour meter upon startup of the engine. [40 CFR 60.4245(b)]	Other: For all stationary SI emergency ICE greater than or equal to 130 HP and less than 500 HP manufactured on or after July 1, 2011 that do not meet the standards applicable to non-emergency engines, the owner or operator must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. [40 CFR 60.4245(b)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
24	Emergency stationary spark ignition internal combustion engine (SI ICE) may be operated for the purpose of maintenance checks and readiness testing limited to 100 hours per year, provided that the tests are recommended by Federal, State or local government, the manufacturer, the vendor, or the insurance company associated with the engine. There is no time limit on the use of emergency stationary ICE in emergency situations. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency ICE beyond 100 hours per year. (NSPS Subpart JJJJ) [40 CFR 60.4243(d)]	Other: Monitored by hours of operation. The owner or operator must install a non-resettable hour meter. [40 CFR 60.4237].	Other: The owner or operator must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. [40 CFR 60.4245(b)].	None.
25	Owners and operators of stationary natural gas fired engines may operate their engines using propane for a maximum of 100 hours per year as an alternative fuel solely during emergency operations, but must keep records of such use. (NSPS Subpart JJJJ) [40 CFR 60.4243(e)]	Other: Monitored by hours of operation. [40 CFR 60.4243(e)].	Other: The owner or operator must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. [40 CFR 60.6245(b)].	None.
26	Owners and operators of all stationary spark ignition internal combustion engines (SI ICE) must keep records of the information in 40 CFR 60.4245(a)(1) through (3) as follows: All notification submitted to comply with 40 CFR 60 Subpart JJJJ and all documentation supporting any notification; maintenance conducted on the engine; and for a certified engine, keep documentation from the manufacturer that the engine is certified. (NSPS Subpart JJJJ) [40 CFR 60.4245(a)]	None.	Other: The owner or operators of all SI ICE must keep records of the information in 40 CFR 60.4245(a)(1) through (3) as follows: (1) All notification submitted to comply with 40 CFR 60 Subpart JJJJ and all documentation supporting any notification; (2) maintenance conducted on the engine; and (3) for a certified engine, keep documentation from the manufacturer that the engine is certified. [40 CFR 60.4245(a)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
27	The owner or operator of stationary spark ignition internal combustion engine (SI ICE) shall comply with the applicable General Provisions in 40 CFR 60 Subpart A as listed in Table 3 in 40 CFR 60 Subpart JJJJ. (NSPS Subpart JJJJ) [40 CFR 60.4246]	None.	None.	None.
28	A new or reconstructed stationary reciprocating internal combustion engine (RICE) located at an area HAP source must meet the requirements of 40 CFR 63 by meeting the requirements of 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 JJJJ. [40 CFR 63].	Other: Comply with all applicable provisions at NSPS JJJJ. [40 CFR 63].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U5 Two (2) Natural Gas-fired Emergency Generators**
Operating Scenario: **OS1 450 KW - 6.01 MMBTU/hr - NG - Emergency Generator @B26**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 3.61 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	NOx (Total) <= 3.78 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	CO <= 7.56 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	VOC (Total) <= 1.89 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	TSP <= 0.06 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	PM-10 (Total) <= 0.06 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	PM-2.5 (Total) <= 0.06 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Maximum Gross Heat Input <= 6.01 MMBTU/hr (HHV) (450 KW). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Maintain readily accessible records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
9	VOC (Total) <= 1 grams/brake horsepower-hour (86 ppmvd @ 15% O2). Maximum emission limit from Table 1, NSPS Subpart JJJJ. [40 CFR 60.4233(e)]	Other: The owner or operator shall review the engine manufacturer's data on initially.[N.J.A.C. 7:27-22.16(o)].	Other: The owner or operator shall keep documentation from the manfacturer that the engine is certified to meet the emission standard.[40 CFR 60.4245(a)(3)].	None.
10	NOx (Total) <= 2 grams/brake horsepower-hour (160 ppmvd @ 15% O2). Maximum emission limit from Table 1, NSPS Subpart JJJJ. [40 CFR 60.4233(e)]	Other: The owner or operator shall review the engine manufacturer's data once initially.[N.J.A.C. 7:27-22.16(o)].	Other: The owner or operator shall keep documentation from the manfacturer that the engine is certified to meet the emission standard.[40 CFR 60.4245(a)(3)].	None.
11	CO <= 4 grams/brake horsepower-hour (54 ppmvd @ 15% O2). Maximum emission limit from Table 1, NSPS Subpart JJJJ. [40 CFR 60.4233(e)]	Other: The owner or operator shall review the engine manufacturer's data once initially.[N.J.A.C. 7:27-22.16(o)].	Other: The owner or operator shall keep documentation from the manfacturer that the engine is certified to meet the emission standard.[40 CFR 60.4245(a)(3)].	None.
12	The owner or operator must keep records of all maintenance that was conducted on the engine. [40 CFR 60.4245(a)(2)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. [40 CFR 60.4245(a)(2)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U5 Two (2) Natural Gas-fired Emergency Generators**
Operating Scenario: **OS2 2.32 MMBTU/HR NG-EG @ B851**

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 source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	CO <= 0.44 lb/hr. Maximum hourly emissions based on GOP150004. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	VOC (Total) <= 0.32 lb/hr. Maximum hourly emissions based on GOP150004. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	TSP <= 0.05 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	Maximum Gross Heat Input <= 2.32 MMBTU/hr (HHV) (230 KW). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Maintain readily accessible records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U6 Six (6) Diesel-fired Fire Pumps**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Federal summary requirements NSPS - Subpart A—GENERAL PROVISIONS Subpart IIII—STANDARDS OF PERFORMANCE FOR STATIONARY COMPRESSION IGNITION INTERNAL COMBUSTION ENGINES [40 CFR 60]	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	Sulfur Content in Fuel <= 15 ppmw (0.0015% by weight). Effective July 1, 2016. [N.J.A.C. 7:27- 9.2(b)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery. [N.J.A.C. 7:27-22.16(o)]	Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading per delivery or analytical results for actual 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.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
5	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, including other fire protection equipment, as recommended in writing by the fire pump or fire protection system manufacturer and/or as required in writing by a Federal or State law or regulation, 2. When there is power outage or the primary source of mechanical or thermal energy fails because of an emergency, 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, or 4. During a fire, even if there is no power outage and the primary source of mechanical energy has not failed. [N.J.A.C. 7:27-22.16(a)] and [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; 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) [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system at the approved frequency. The owner or operator shall maintain on site and record the following information: 1. Once per month, the total operating time from the generator's hour meter, the fuel usage (gallons per month) and the hours of operation for emergency use (per month). Document if the emergency use was due to internal or external loss of primary source of energy or due to a fire. If internal loss at the facility, document the emergency 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 startup and shut down time; iii. The total operating time for testing or maintenance based on the generator's hour meter; and iv. The name of the operator; and 3. If a voltage reduction is the reason for the use of the emergency generator, a copy of the voltage reduction notification from PJM or other documentation of the voltage reduction. The owner or operator of an emergency generator shall maintain the above records for a period no less than 5 years after the record was made and shall make the records readily available to the Department or the EPA upon request. [N.J.A.C. 7:27-22.16(o)] 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
6	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. 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
7	Hours of Operation <= 100 hr/yr for testing and maintenance. Applicable to each emergency generator. 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.
8	Generator fuel usage limited to diesel fuel. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	NOx (Total) <= 0.605 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
10	CO <= 0.078 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
11	SO2 <= 0.07 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
12	PM-10 (Total) <= 0.026 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
13	PM-2.5 (Total) <= 0.026 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
14	VOC (Total) <= 0.022 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
15	TSP <= 0.026 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
16	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: Region II, Director, Air and Waste Management Division, US Environmental Protection Agency, 21st Floor, 290 Broadway, New York, NY 10007. [40 CFR 60.4(a)]	None.	None.	Submit a report: As per the approved schedule to EPA Region II as required by 40 CFR 60. [40 CFR 60.4(a)]
17	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. New Jersey Department of Environmental Protection, Central Regional Enforcement Office Mail Code 22-03A 401 East State Street P.O. Box 420 Trenton, NJ 08625 - 0420 [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. New Jersey Department of Environmental Protection, Central Regional Enforcement Office Mail Code 22-03A 401 East State Street P.O. Box 420 Trenton, NJ 08625 - 0420. [40 CFR 60.4(b)]
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. [40 CFR 60.12]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
19	The owner or operator shall notify the Administrator of the proposed replacement of components. [40 CFR 60.15]	None.	None.	Submit notification: At a common schedule agreed upon by the operator and the Administrator. The notification shall include information listed under 40 CFR Part 60.15(d). The notification shall be postmarked 60 days (or as soon as practicable) before construction of the replacements is commenced. [40 CFR 60.15(d)]
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. [40 CFR 60.19]	None.	None.	None.
21	CO <= 2.6 grams/brake horsepower-hour. Owners and operators of fire pump engines with a displacement of less than 30 liters per cylinder must comply with the emissions standards in Table 4 for engines manufactured in 2008 or earlier with maximum engine power greater than or equal 130 kW and less than 225 kW. [40 CFR 60.4205(c)]	Other: The owner or operator shall review engine manufacturer data indicating compliance with the standard.[N.J.A.C. 7:27-22.16(o)].	Other: The owner or operator shall maintain readily accessible engine manufacturer data indicating compliance with the standard.[N.J.A.C. 7:27-22.16(o)].	None.
22	Non-Methane Hydrocarbons: NOx <= 7.8 grams/brake horsepower-hour. Owners and operators of fire pump engines with a displacement of less than 30 liters per cylinder must comply with the emissions standards in Table 4 for engines manufactured in 2008 or earlier with maximum engine power greater than or equal 130 kW and less than 225 kW. [40 CFR 60.4205(c)]	Other: The owner or operator shall review engine manufacturer data indicating compliance with the standard.[N.J.A.C. 7:27-22.16(o)].	Other: The owner or operator shall maintain readily accessible engine manufacturer data indicating compliance with the standard.[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
23	TSP <= 0.4 grams/brake horsepower-hour. Owners and operators of fire pump engines with a displacement of less than 30 liters per cylinder must comply with the emissions standards in Table 4 for engines manufactured in 2008 or earlier with maximum engine power greater than or equal 130 kW and less than 225 kW. [40 CFR 60.4205(c)]	Other: The owner or operator shall review engine manufacturer data indicating compliance with the standard.[N.J.A.C. 7:27-22.16(o)].	Other: The owner or operator shall maintain readily accessible engine manufacturer data indicating compliance with the standard.[N.J.A.C. 7:27-22.16(o)].	None.
24	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.
25	Sulfur Content in Fuel <= 500 Parts per Million. Beginning October 1, 2007, owners or operators of stationary CI ICE that use diesel fuel must use diesel fuel that meets the requirements of 40 CFR 80.510(a). [40 CFR 60.4207(a)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery showing fuel suflur content. [N.J.A.C. 7:27-22.16(o)]	Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading per delivery showing the fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	None.
26	Sulfur Content in Fuel <= 15 Parts per Million. Beginning June 1, 2010, owners or operators of stationary CI ICE that use diesel fuel must use diesel fuel that meets the requirements of 40 CFR 80.510(b). [40 CFR 60.4207(b)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery showing fuel suflur content. [N.J.A.C. 7:27-22.16(o)]	Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading per delivery showing the fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
27	The owner or operator that must comply with the emission standards specified in NSPS IIII must operate and maintain the stationary CI internal combustion engine and control device, except as permitted under 40 CFR 60.4211(g), according to the manufacturer's emission-related written instructions. In addition, owners and operators may only change emission-related settings that are permitted by the manufacturer. The owner or operator must also meet the requirements of 40 CFR parts 89, 94 and/or 1068, as applicable. [40 CFR 60.4211(a)]	None.	Other: The owner or operator shall keep the manufacturer's emission-related written instructions. If not complying with manufacturer's emission-related written instructions or emission-related settings, the owner or operator shall 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
28	The owner or operator of a pre-2007 model year stationary CI internal combustion engine and must comply with the emission standards specified in 40 CFR 60.4204(a) or 60.4205(a), or if you are an owner or operator of a CI fire pump engine that is manufactured prior to the model years in table 3 to this subpart and must comply with the emission standards specified in 40 CFR 60.4205(c), you must demonstrate compliance according to one of the methods specified in paragraphs (b)(1) through (5) of this section. 1) 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. 2) Keeping records of performance test results for each pollutant for a test conducted on a similar engine. The test must have been conducted using the same methods specified in this subpart and these methods must have been followed correctly. 3) Keeping records of engine manufacturer data indicating compliance with the standards. 4) Keeping records of control device vendor data indicating compliance with the standards. 5) Conducting an initial performance test to demonstrate compliance with the emission standards according to the requirements specified in 40 CFR 60.4212, as applicable. [40 CFR 60.4211(b)]	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 60.4214(d)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
29	The owner or operator of a fire pump engine that was manufactured starting with or after the model year that applies to the engine power rating and a rated speed in table 3 to NSPS IIII and must comply with the emission standards in 40 CFR 60.4205(c), must comply by purchasing an engine certified to the emission standards in 40 CFR 60.4205(c), 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). [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. 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.
30	Hours of Operation <= 100 hr/yr. Emergency stationary ICE may be operated for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State, or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks and readiness testing of such units is limited to 100 hours per year. There is no time limit on the use of emergency stationary ICE in emergency situations. Anyone may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency ICE beyond 100 hours per year. Any operation other than emergency operation, and maintenance and testing as permitted in this section, is prohibited. [40 CFR 60.4211(e)]	Hours of Operation: Monitored by hour/time monitor continuously. The owner or operator shall install a non-resettable hour meter prior to startup of the engine. [40 CFR 60.4209(a)]	Hours of Operation: Recordkeeping by manual logging of parameter or storing data in a computer data system at the approved frequency. The owner or operator shall record and maintain on site the following records: 1. Once per month, the total operating time from the generator's hour meter; 2. Each time the emergency generator is specifically operated for testing or maintenance: i. The reason for the 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(a)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
31	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: **U6 Six (6) Diesel-fired Fire Pumps**

Operating Scenario: **OS1 150 HP (1.05 MMBTU/hr) Diesel Fire Pump @ B685, OS2 150 HP (1.05 MMBTU/hr) Diesel Fire Pump @ B685**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.63 lb/hr. Particulate emission limit for each engine 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	NOx (Total) <= 0.376 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	SO2 <= 0.102 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	TSP <= 0.05 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	Maximum Gross Heat Input <= 1.05 MMBTU/hr (HHV) (150 hp). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Maintain readily accessible records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U6 Six (6) Diesel-fired Fire Pumps**
Operating Scenario: **OS3 200 HP (1.41 MMBTU/hr) Diesel Fire Pump @ B257, OS7 200 HP (1.41 MMBTU/hr) Diesel Fire Pump #2 @ B257**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.85 lb/hr. Particulate emission limit for each engine 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	NOx (Total) <= 4.08 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	CO <= 0.44 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	SO2 <= 0.508 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	PM-10 (Total) <= 0.174 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	VOC (Total) <= 0.12 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP <= 0.174 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	PM-2.5 (Total) <= 0.174 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Maximum Gross Heat Input <= 1.41 MMBTU/hr (LHV) (200 hp). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Maintain readily accessible records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U6 Six (6) Diesel-fired Fire Pumps**
Operating Scenario: **OS4 265 HP (1.86 MMBTU/hr) Diesel Fire Pump @ B308**

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	NOx (Total) <= 2.54 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	CO <= 0.56 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	SO2 <= 0.176 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	PM-10 (Total) <= 0.18 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	VOC (Total) <= 0.2 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-2.5 (Total) <= 0.18 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Maximum Gross Heat Input <= 1.86 MMBTU/hr (HHV) (265 hp). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Maintain readily accessible records showing maximum heat input rate.[N.J.A.C. 7:27-22.19(a)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U6 Six (6) Diesel-fired Fire Pumps**
Operating Scenario: **OS5 207 HP (1.67 MMBTU/hr) Diesel Fire Pump @ B356**

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	NOx (Total) <= 0.644 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	CO <= 0.12 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	TSP <= 0.05 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	Maximum Gross Heat Input <= 1.67 MMBTU/hr (HHV) (207 hp). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Maintain readily accessible records showing maximum heat input rate.[N.J.A.C. 7:27-22.19(a)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U7 Four (4) Paint Booths (Surface Coating)**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Opacity <= 20 %. Smoke emissions no greater than 20% opacity, exclusive of visible condensed water vapor, for a period of longer than three 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	VOC Content of the Surface Coating Formulation as Applied <= 3.5 lb/gal. Maximum daily mean VOC content per volume of coating (minus water) as applied (miscellaneous metal parts; air-dried coating) TABLE 7B. Applicable to OS1, OS2, OS3 and OS5 individually. [N.J.A.C.7:27-16.7(c)1] &. [N.J.A.C. 7:27-16.7(c)3]	VOC Content of the Surface Coating Formulation as Applied: Monitored by calculations daily, based on one calendar day during operation. [N.J.A.C. 7:27-16.7(c)3]	VOC Content of the Surface Coating Formulation as Applied: Recordkeeping by manual logging of parameter or storing data in a computer data system daily during operation. The owner of operator shall maintain readily accessible records of the VOC content calculations. [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	The owner or operator shall maintain of surface coating formulations. [N.J.A.C. 7:27-16.7(n)]	Other: Monitored by production records upon ocurrence of event the composition of a surface coating formulation as required by standard formulation sheets, material safety data sheets, and provided that the required information can be readily extracted from the documents.[N.J.A.C. 7:27-16.7(o)].	Recordkeeping by manual logging of parameter or storing data in a computer data system at the approved frequency. Maintain readily accessible all monitored records and/or analytical results for each surface coating formulation including each change of diluent or concentration of diluent as applied, record the following: i. The number of hours each surface coating formulation was applied and the date; ii. The volume of each surface coating formulation applied; iii. The density of each surface coating formulation; iv. The density of the VOC in each surface coating formulation; v. The percent by weight of VOC in each surface coating formulation; vi. The percent by weight of any exempt organic substance in each surface coating formulation; vii. The percent by weight of any water in each surface coating formulation. The owner or operator shall maintain readily accessible records of the documents used to determine the composition of a surface coating formulations for no less than 5 years. [N.J.A.C. 7:27-16.22(a)] and. [N.J.A.C. 7:27-16.7(n)1]	None.
4	VOC Content of Any Surface Coating Formulation as Applied <= 3.5 lb/gal. Maximum VOCs content on each paint material used. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by material safety data sheets and/or invoices/bills of lading for each material used.[N.J.A.C. 7:27-22.16(o)].	Other: Recordkeeping by material safety data sheets and/or invoices / bills of lading upon occurrence of event.[N.J.A.C. 7:27-22.16(o)].	None.
5	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.
6	VOC (Total) <= 5.1 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
7	HAPs: . All HAPs emissions shall be below the reporting threshold limit pursuant to N.J.A.C. 7:27-17.9(a) as listed in Table 2. [N.J.A.C. 7:27-22.16(a)]	HAPs: Monitored by material balance each month during operation. [N.J.A.C. 7:27-22.16(o)]	HAPs: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U7 Four (4) Paint Booths (Surface Coating)**
Operating Scenario: **OS1 SPRAY PAINT BOOTH #1@ B-149**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.5 lb/hr Maximum allowable emission rate for particles based on 99% efficiency of collection. [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
2	VOC (Total) <= 3.5 lb/hr. Maximum hourly allowable VOC emissions. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	TSP <= 0.05 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Coating Usage <= 700 gal/yr. Annual surface coating formulation usage. [N.J.A.C. 7:27-22.16(a)]	Coating Usage: Monitored by material balance each month during operation, based on a consecutive 12 month period (rolling 1 month basis). The owner or operator shall monitor the total amount of coating formulation used, keep material safety data sheets (MSDS). [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 each month during operation. The owner or operator shall record the total coating usage, for any 12 consecutive months, computed by adding the solvent based coating material consumed in a given month to that consumed in the preceding 11 months. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U7 Four (4) Paint Booths (Surface Coating)**
Operating Scenario: **OS2 SPRAY PAINT BOOTH #2 @ B-149**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.5 lb/hr Maximum allowable emission rate for particles based on 99% efficiency of collection. [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
2	VOC (Total) <= 3.5 lb/hr. Maximum hourly allowable VOC emissions. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	TSP <= 0.05 lb/hr. Maximum hourly emissions limit, based on Minor Modification Application BOP110002. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Coating Usage <= 700 gal/yr. Maximum annual surface coating formulation usage. [N.J.A.C. 7:27-22.16(a)]	Coating Usage: Monitored by material balance each month during operation, based on a consecutive 12 month period (rolling 1 month basis). The owner or operator shall monitor the total amount of coating formulation used, keep material safety data sheets (MSDS). [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 each month during operation. The owner or operator shall record the total coating usage for each calendar month. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U7 Four (4) Paint Booths (Surface Coating)**
Operating Scenario: **OS3 PAINT SPRAY PAINT BOOTH #3 HANGAR @ B-149**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.96 lb/hr. Maximum allowable emission rate for particles based on 99% efficiency of collection. Applicable to OS3 and OS4 combined. [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
2	Coating Application System Transfer Efficiency >= 60 % . [N.J.A.C. 7:27-16.7(d)]	Other: The owner or operator shall review the manufactures equipment specifications.[N.J.A.C. 7:27-22.16(o)].	Other: The owner or operator shall maintain readily available records of the manufactures equipment specifications showing the coating application system transfer efficiency..[N.J.A.C. 7:27-22.16(o)].	None.
3	The permittee shall conduct inspections and maintenance on a schedule necessary to achieve the required particulate removal efficiency as specified by the manufacturer. [N.J.A.C. 7:27-22.16(a)]	None.	Other: The permittee shall maintain sufficient records to indicate compliance.[N.J.A.C. 7:27-22.16(o)].	None.
4	Differential Pressure >= 0.1 and Differential Pressure <= 0.5 inches w.c.. The permittee shall iaintain a pressure drop instrument according to the manufacturers recommendations. Applicable to FILTERED BOOTH WITH OVERHEAD VENT "CD36". [N.J.A.C. 7:27-22.16(a)]	Differential Pressure: Monitored by pressure drop instrument continuously. [N.J.A.C. 7:27-22.16(o)]	Differential Pressure: Recordkeeping by manual logging of parameter or storing data in a computer data system once per shift during operation. [N.J.A.C. 7:27-22.16(o)]	None.
5	VOC (Total) <= 3.5 lb/hr. Maximum hourly allowable VOC emissions. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	TSP <= 0.05 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	The permittee shall conduct inspections and maintenance on a schedule necessary to achieve the required particulate removal efficiency as specified by the manufacturer. Applicable to FILTERED BOOTH WITH OVERHEAD VENT "CD36" [N.J.A.C. 7:27-22.16(a)]	None.	Other: The permittee shall maintain sufficient records to indicate compliance.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
8	Maximum thinner used <= 26 gallons/yr. Maximum thinner used for cleaning shall be less that 0.1 gallon in any one hour . [N.J.A.C. 7:27-22.16(a)]	Monitored by calculations each hour during operation. Monitored by reviewing thinner usage records. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system annually. The permittee shall maintain records documenting hourly and annual thinner usage. [N.J.A.C. 7:27-22.16(o)]	None.
9	Coating Usage <= 700 gal/yr. [N.J.A.C. 7:27-22.16(a)]	Coating Usage: Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). The owner or operator shall monitor the total amount of coating formulation used, keep material safety data sheets (MSDS). [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 each month during operation. The owner or operator shall record the total coating usage, for any 12 consecutive months, computed by adding the solvent based coating material consumed in a given month to that consumed in the preceding 11 months. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U7 Four (4) Paint Booths (Surface Coating)**
Operating Scenario: **OS5 CERDEC - Flight Activity Center " Painting parts made of grade aluminum alloys for aircrafts" @B706**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.5 lb/hr. Allowable Emission Rate (lbs. per hr.) Based on 0.02 grains per SCF. . [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
2	Maximu Density of the paint material used shall not be greater than 12.9 lb/gallon for each material. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by material safety data sheets and/or invoices/bills of lading for each material used.[N.J.A.C. 7:27-22.16(o)].	Other: Recordkeeping by material safety data sheets and/or invoices / bills of lading upon occurrence of event.[N.J.A.C. 7:27-22.16(o)].	None.
3	VOC (Total) <= 3.5 lb/hr. Maximum VOCs content on each paint material used. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	TSP <= 0.05 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	Coating Usage <= 1,000 gal/yr. Maximum yearly paint material used. [N.J.A.C. 7:27-22.16(a)]	Coating Usage: Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). The owner or operator shall monitor the total amount of coating formulation used, keep material safety data sheets (MSDS). [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 each month during operation. The owner or operator shall record the total coating usage, for any 12 consecutive months, computed by adding the solvent based coating material consumed in a given month to that consumed in the preceding 11 months. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U8 Seven (7) Parts Washers (Solvent Cleaners)**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	No person shall add solvent to a cold cleaning machine or cause, suffer, allow, or permit the machine to be operated, unless the following requirements are met: (1) A freeboard ratio of 0.75 or greater; and (2) A visible fill line and a high level liquid mark; The machine shall have: a permanent, conspicuous label placed in a prominent location on the machine setting forth the applicable provisions of the operating requirements in N.J.A.C. 7:27-16.6(j)2; and the machine shall be equipped with a tightly fitting working-mode cover that completely covers the machine's opening and that shall be kept closed at all times except when parts are being placed into or being removed from the machine or when solvent is being added or removed. For a remote reservoir cold cleaning machine which drains directly into the solvent storage reservoir, a perforated drain with a diameter of not more than six inches shall constitute an acceptable cover. [N.J.A.C. 7:27-16.6(j)1]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
2	A person shall operate a cold cleaning machine in accordance with the following procedures: i. The solvent level in the machine shall not exceed the fill line when there are no parts in the machine for cleaning and shall not exceed the high level liquid mark during cleaning operations; ii. Flushing of parts with a solvent spray, using a spray head attached to a flexible hose or other flushing device, shall be performed only within the freeboard area of the machine. The solvent spray shall be a continuous fluid stream, not an atomized or shower spray, and shall be under a pressure that does not exceed ten pounds per square inch gauge; iii. Parts being cleaned shall be drained for at least 15 seconds or until dripping ceases, whichever is longer. Parts having cavities or blind holes shall be tipped or rotated while the part is draining. During the draining, tipping or rotating, the parts shall be positioned so that solvent drains directly back into the machine; iv. When the machine's cover is open, the machine shall not be exposed to drafts greater than 40 meters per minute (132 feet per minute), as measured between one and two meters (between 3.3 and 6.6 feet) upwind and at the same elevation as the tank lip; v. Sponges, fabric, leather, paper products and other absorbent materials shall not be cleaned in the machine. [N.J.A.C. 7:27-16.6(j)2]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
3	A person shall operate a cold cleaning machine in accordance with the following procedures: vi. When a pump-agitated solvent bath is used, the agitator shall be operated to produce a rolling motion of the solvent with no observable splashing of solvent against the tank walls or the parts being cleaned. Air agitated solvent baths may not be used; vii. Spills during solvent transfer and use of the machine shall be cleaned up immediately, and the wipe rags or other sorbent material used shall be immediately stored in covered containers for disposal or recycling; viii. Waste solvent shall be collected and stored in a closed container. The closed container may contain a device that allows pressure relief, provided that it does not allow liquid solvent to drain from the container; ix. Work area fans shall be located and positioned so that they do not blow across the opening of the degreaser unit; and x. If the machine is a heated cleaning machine, the solvent shall be maintained at a temperature that is below its boiling point. [N.J.A.C. 7:27-16.6(j)2]	None.	None.	None.
4	A person shall not use, in a cold cleaning machine, any solvent that has a vapor pressure of one millimeter of mercury or greater, measured at 20 degrees centigrade (68 degrees Fahrenheit). [N.J.A.C. 7:27-16.6(j)3]	Other: Monitored by review of MSDS.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain readily accessible MSDS's for each delivery.[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
5	A person who owns or operates a cold cleaning machine shall maintain, for not less than two years after the date of purchase of solvent for use in the machine, the information specified below and shall, upon the request of the Department or its representative, provide the information to the Department: i. The name and address of the person selling the solvent. An invoice, bill of sale, or a certificate that corresponds to a number of sales, if it has the seller's name and address on it, may be used to satisfy this requirement; ii. A list of VOC(s) and their concentration information in the solvent; iii. Information about each VOC listed pursuant ii above. A Material Safety Data Sheet (MSDS) may be used to satisfy this requirement; iv. The solvents product number assigned by the manufacturer; and v. The vapor pressure of the solvent measured in millimeters of mercury at 20 degrees centigrade (68 degrees Fahrenheit). [N.J.A.C. 7:27-16.6(j)4]	None.	Other: Maintain readily accessible MSDS's for each delivery.[N.J.A.C. 7:27-22.16(o)].	None.
6	VOC (Total) <= 3.47 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	Hours of Operation <= 2,080 hr/yr. Maximum hours of operation applicable for each operating scenario individually. [N.J.A.C. 7:27-22.16(a)]	Other: The owner or operator shall monitor the daily usage.[N.J.A.C. 7:27-22.16(o)].	Hours of Operation: Recordkeeping by manual logging of parameter or storing data in a computer data system daily (record the daily hours of operation). [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U8 Seven (7) Parts Washers (Solvent Cleaners)**
Operating Scenario: **OS1 Safety Kleen Model 81 Parts Washer @ B149**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	VOC (Total) <= 0.593 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
2	Solvent limited to Petroleum Hydrocarbon Solvent CAS# 8052-41-3 or 6472-47-8. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by review of invoices.[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 Maintain readily accessible copies of supplier invoices. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U8 Seven (7) Parts Washers (Solvent Cleaners)**
Operating Scenario: **OS2 Assembly Area Parts Washer B148**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	VOC (Total) <= 0.593 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
2	Solvent limited to Petroleum Hydrocarbon Solvent with a vapor pressure of 1 psi@ 100 degree F, ASTM D323, or less. Solvent contains no HAPs as defined at 40 CFR 63.1(a)(2). [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by review of invoices and MSDS.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain readily accessible copies of supplier invoices and MSDS.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: U8 Seven (7) Parts Washers (Solvent Cleaners)
Operating Scenario: OS3 Parts Washer @ B148

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	VOC (Total) <= 0.322 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: **U8 Seven (7) Parts Washers (Solvent Cleaners)**
Operating Scenario: **OS4 Parts Washer @ B124**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	VOC (Total) <= 0.345 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: **U8 Seven (7) Parts Washers (Solvent Cleaners)**
Operating Scenario: **OS5 Parts Washer @ 148, OS8 Parts Washer @ B148**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	VOC (Total) <= 0.258 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: **U8 Seven (7) Parts Washers (Solvent Cleaners)**
Operating Scenario: **OS9 Safety Kleen Model 81 Parts Washer #2 @B149**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	VOC (Total) <= 0.45 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: **U9 Two (2) Gasoline transfer operations - Tank S16 & S17; 6000 gallons - Military Octane Gasoline (Mogas) Aboveground Tank @ B424**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	The external surface of the tank shall be painted and maintained white. [N.J.A.C. 7:27-16.2(b)1i]	None.	None.	None.
2	Transfer of gasoline into a receiving vessel shall be made through a submerged fill pipe permanently affixed to the tank. [N.J.A.C. 7:27-16.3(c)]	None.	None.	None.
3	Gasoline transfer from any delivery vessel into any stationary storage tank having a maximum capacity of 2,000 gallons or greater shall be made only when such storage tank is equipped and operating with the following emission controls: A vapor control system that: (1) 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; and (2) Includes a pressure/vacuum relief valve on each atmospheric vent which remains closed during the gasoline transfer. [N.J.A.C. 7:27-16.3(d)]	None.	Other: Recordkeeping by manufacturer's specifications/data, CARB Test Results (e.g., Static Pressure Performance/Pressure Decay Test; Pressure Vacuum Valve Test) or CARB Certification/Executive Order indicating compliance with these requirements.[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	The owner or operator shall conduct and pass a Static Pressure Performance Test pursuant to California Air Resource Board (CARB) TP-201.3 at least once in every 12 month period ending on June 29th. [N.J.A.C. 7:27-16.3(i)]	Other: The owner or operator shall conduct a Static Pressure Performance Test once initially and once every 12 month period ending on June 29th.[N.J.A.C. 7:27-16.3(i)].	Other: The owner or operator shall maintain test results: (i) Documentation of the performance of the test, including the date, name of the testing company and the test method used; and (ii) A record of the results of the test performed.[N.J.A.C. 7:27-16.3(s)2].	Comply with the requirement: As per the approved schedule , the owner or operator shall conduct and pass required performance test least once in every 12 month period thereafter. Upon failure of the test the Permittee shall repair and retest any vapor control system within 14 days of failure. Upon failure of the retest: (1) The Permittee shall notify the NJDEP Regional Enforcement Office in writing within 72 hours of the failure; (2) The Permittee shall have the system repaired and retested in accordance with a compliance plan approved by the Department. [N.J.A.C. 7:27-16.3(i)]
5	No person shall cause, suffer, allow, or permit a transfer of gasoline, to or from a delivery vessel, if the transfer is subject to the provisions of 16.3(d) and (l), or (m), and if the delivery vessel being loaded is under a pressure in excess of 18 inches of water (34 millimeters of mercury) gauge or the delivery vessel being unloaded is under vacuum in excess of six inches of water (11 millimeters of mercury) gauge. [N.J.A.C. 7:27-16.3(k)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
6	No person shall cause, suffer, allow, or permit any transfer of gasoline, subject to the provisions of 16.3(d), (e), (m), or (n), if: (1) The delivery vessel being loaded or unloaded, or the vapor control system or other equipment serving the transfer operation, has: i. A vapor leak which results in a concentration of applicable VOC greater than or equal to 100% of the lower explosive limit of propane, when measured at a distance of 1.0 inch (2.54 centimeters) or less from the location of the leak; or ii. A liquid leak; (2) Any component of the delivery vessel designed for preventing the release of gasoline vapors is not installed and operating as designed; or (3) Commencing or continuing the transfer would result in a liquid gasoline spill. [N.J.A.C. 7:27-16.3(o)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	No person shall cause, suffer, allow, or permit the transfer of gasoline at a gasoline loading facility, into or from a delivery vessel, or at a gasoline dispensing facility, which is required to have a vapor control system unless: (1) The vapor control system is designed to meet the applicable requirements in 7:27-16.3(d), (e), (m), or (n); (2) All hoses, piping, connections, fittings and manholes serving the vapor control system are vapor tight and leak free, except when gauging or sampling is being performed; (3) The vapor control system, including any component thereof, is maintained in proper operating condition and kept free of defects that could impair the effectiveness of the system; (4) The vapor control system is constructed out of materials that will not become degraded when exposed to any grade of gasoline which may be stored, transferred, and/or dispensed; and (5) The vapor control system is operated properly whenever gasoline is stored, transferred, and/or dispensed. [N.J.A.C. 7:27-16.3(q)]	None.	None.	None.
8	Maintain the required records for a period of no less than five years and make those records available upon the request of the Department or the EPA. [N.J.A.C. 7:27-16.22(a)]	None.	Other: Maintain readily accessible records.[N.J.A.C. 7:27-16.22(a)].	None.
9	VOC (Total) <= 0.7 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
10	Tank content is limited to Mogas (Military Octane Gasoline). [N.J.A.C. 7:27-22.16(a)]	Monitored by review of fuel delivery records per delivery. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by invoices / bills of lading per delivery. [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
11	Total Production Rate <= 200,000 gal/yr. Annual combine throughput limit from operating permit application. [N.J.A.C. 7:27-22.16(a)]	Total Production Rate: Monitored by material feed/flow monitoring continuously, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	Total Production Rate: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. Record the calculated gasoline transfered in gallons for any 12 consecutive months, computed by adding the fuel transfered in a given month to that transfered in the preceding 11 months. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U10 Two (2) Storage Tanks - S19 and S20 Aviation Fuel @B658**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	No person shall cause, suffer, allow, or permit the storage of any applicable VOC in any stationary storage tank that has a maximum capacity of 2,000 gallons (7,570 liters) or greater and is exposed to the rays of the sun unless the external surface of the tank is painted and maintained white, except that this provision shall not apply to words and logograms applied to the external surface of the storage tank for purposes of identification provided such symbols do not cover more than 20 percent of the external surface area of the tank's sides and top or more than 200 square feet (18.6 square meters), whichever is less. [N.J.A.C. 7:27-16.2(b)i]	None.	None.	None.
2	No person shall cause, suffer, allow, or permit the storage of any applicable VOC in any stationary storage tank having a maximum capacity of 10,000 gallons (37,850 liters) or greater unless such stationary storage tank is equipped with control apparatus as determined in accordance with the procedures for using Table 2A . [N.J.A.C. 7:27-16.2(b)2]	Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. [N.J.A.C. 7:27-22.16(o)]	None.
3	The owner or operator shall maintain on-site, for each tank 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 delivery. The owner or operator shall maintain the required records for a period of no less than five years and shall make those records available upon request of the Department or the EPA, or any duly authorized representative of the Department or the EPA. [N.J.A.C. 7:27-16.22(a)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
4	Tank contents limited to aviation fuel with a vapor pressure of 1.0 psia or less at standard conditions from operating permit modification application. [N.J.A.C. 7:27-22.16(a)]	Other: Review product specifications per delivery.[N.J.A.C. 7:27-22.16(o)].	Other: The owner or operator shall maintain readily accessible records of fuel delivery.[N.J.A.C. 7:27-22.16(o)].	None.
5	Total Material Transferred <= 500,000 gal/yr. Maximum annual throughput limit for each storage tank. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by tank gauging each month.[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. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U11 One (1) 10,000 Gallon AST for E85 Fuel @ B424**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	The owner or operator shall paint and maintain the external surface of the storage tank white. [N.J.A.C. 7:27-16.2(b)1i]	None.	None.	None.
2	Storage tanks having a maximum capacity of 10,000 gallons or greater shall be equipped with control apparatus as determined in accordance with the procedures for using Table 2A of N.J.A.C. 7:27-16.2(b). E349 is in Range I - No control apparatus required under Subchapter 16. [N.J.A.C. 7:27-16.2(b)2]	None.	None.	None.
3	The owner or operator shall maintain records specifying each VOC stored and the vapor pressure of each VOC at standard conditions. [N.J.A.C. 7:27-16.2(s)1]	None.	Other: The owner or operator shall maintain readily accessible records of tank contents and vapor pressure for each different VOC stored.[N.J.A.C. 7:27-16.2(s)1].	None.
4	No person shall cause, suffer, allow, or permit the transfer of any applicable VOC into any receiving vessel having a maximum capacity of 2,000 gallons (7,570 liters) or greater unless such transfer is made through a submerged fill pipe. [N.J.A.C. 7:27-16.4(b)]	None.	None.	None.
5	VOC (Total) <= 0.201 tons/yr. Maximum annual emission limit based on permittee's annual throughput. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Tank content is limited to E85 Fuel: [N.J.A.C. 7:27-22.16(a)]	Monitored by review of fuel delivery records per delivery or Check invoices/bills of lading for materials delivered to facility. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by invoices / bills of lading / certificate of analysis per delivery to facility. The permittee shall maintain storage tank records of each VOC stored and the vapor pressure of each VOC at standard conditions. [N.J.A.C. 7:27-22.16(o)]	None.
7	Total Material Transferred <= 200,000 gal/yr. Maximum annual throughput. [N.J.A.C. 7:27-22.16(a)]	Total Material Transferred: Monitored by material feed/flow monitoring each month during operation. [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. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U12 Two (2) Lead Pots each with a 700 Mbtu/hr Natural Gas Fired Furnace @ B124**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Opacity <= 20 % Smoke emissions no greater than 20% opacity, exclusive of visible condensed water vapor, for a period of longer than three minutes in any consecutive 30-minute period. [N.J.A.C. 7:27- 6.2]	None.	None.	None.
2	No Visible Emissions, exclusive of condensed water vapor, except for no more than 3 minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	NOx (Total) <= 0.11 tons/yr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
4	Lead Emissions <= 0.00624 tons/yr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
5	Total Throughput <= 55.4 tons/yr. Annual lead processing rate in both pots (E64 and E65) combined. [N.J.A.C. 7:27-22.16(o)]	Total Throughput: Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(a)]	Total Throughput: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The owner or operator shall record the number of pounds of lead added each month, for any 12 consecutive months, computed by adding the lead added consumed in a given month to that consumed in the preceding 11 months. [N.J.A.C. 7:27-22.16(o)]	None.
6	Natural Gas Usage <= 2 MMft^3/yr. Annual natural gas use in both furnaces (E64 and E65) combined. [N.J.A.C. 7:27-22.16(e)]	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 continuously. [N.J.A.C. 7:27-22.16(o)]	None.
7	Maximum Gross Heat Input <= 0.7 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(e)]	None.	Other: Maintain readily accessible records showing maximum heat input rate.[N.J.A.C. 7:27-22.19(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U12 Two (2) Lead Pots each with a 700 Mbtu/hr Natural Gas Fired Furnace @ B124**
Operating Scenario: **OS1 LEAD POT 1 @ B124, OS2 LEAD POT 2 @ B124**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.5 lb/hr Maximum allowable emission rate for particles based on 0.02 grains per SCF. [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
2	NOx (Total) <= 0.07 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	Lead Emissions <= 0.004 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
4	TSP <= 0.05 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U13 Degreaser, Socket Pouring Operations, Hanger #1 @ B1**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Opacity <= 20 %. Smoke emissions no greater than 20% opacity, exclusive of visible condensed water vapor, for a period of longer than three minutes in any consecutive 30-minute period. [N.J.A.C. 7:27- 6.2]	None.	None.	None.
2	Freeboard Ratio >= 0.75 in/in. No person shall add solvent to a heated cleaning machine or operate the heated cleaning machine unless the freeboard ratio is greater than 0.75 and there is a visible fill line and high level liquid mark. [N.J.A.C. 7:27-16.6(j)1i2]	Freeboard Ratio: Monitored by visual determination upon occurrence of event. The owner or operate shall monitor the freeboard ratio before loading. The freeboard ratio shall be maintain during the entire cleaning cycle. The owner or operator shall verify the existence of the visible fill line and high level liquid mark prior to loading solvent or operating the heated cleaning machine. [N.J.A.C. 7:27-22.16(o)]	None.	None.
3	The machine shall have: a permanent, conspicuous label placed in a prominent location on the machine setting forth the applicable provisions of the operating requirements in N.J.A.C. 7:27-16.6(j)2. [N.J.A.C. 7:27-16.6(j)1ii]	Monitored by visual determination once per batch during operation, based on an instantaneous determination. [N.J.A.C. 7:27-22.16(o)]	None.	None.
4	A tightly fitting working-mode cover that completely covers the machine's opening and that shall be kept closed at all times except when parts are being placed into or being removed from the machine or when solvent is being added or removed. [N.J.A.C. 7:27-16.6(j)1iii2]	Monitored by visual determination each month during operation, based on an instantaneous determination. [N.J.A.C. 7:27-22.16(o)]	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
5	A person shall operate a cold cleaning machine or a heated cleaning machine in accordance with the following procedures: i. The solvent level in the machine shall not exceed the fill line when there are no parts in the machine for cleaning and shall not exceed the high level liquid mark during cleaning operations; ii. Flushing of parts with a solvent spray, using a spray head attached to a flexible hose or other flushing device, shall be performed only within the freeboard area of the machine. The solvent spray shall be a continuous fluid stream, not an atomized or shower spray, and shall be under a pressure that does not exceed ten pounds per square inch gauge; iii. Parts being cleaned shall be drained for at least 15 seconds or until dripping ceases, whichever is longer. Parts having cavities or blind holes shall be tipped or rotated while the part is draining. During the draining, tipping or rotating, the parts shall be positioned so that solvent drains directly back into the machine; iv. When the machine's cover is open, the machine shall not be exposed to drafts greater than 40 meters per minute (132 feet per minute), as measured between one and two meters (between 3.3 and 6.6 feet) upwind and at the same elevation as the tank lip; v. Sponges, fabric, leather, paper products and other absorbent materials shall not be cleaned in the machine. [N.J.A.C. 727-16.6(j)2vi] through [N.J.A.C. 727-16.6(j)2x] CONTINUED ON NEXT REFERENCE LINE. [N.J.A.C. 7:27-16.6(j)2]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
6	[N.J.A.C. 727-16.6(j)2i] through [N.J.A.C. 727-16.6(j)2v] CONTINUED FROM PREVIOUS REFERENCE LINE. A person shall operate a cold cleaning machine or a heated cleaning machine in accordance with the following procedures: vi. When a pump-agitated solvent bath is used, the agitator shall be operated to produce a rolling motion of the solvent with no observable splashing of solvent against the tank walls or the parts being cleaned. Air agitated solvent baths may not be used; vii. Spills during solvent transfer and use of the machine shall be cleaned up immediately, and the wipe rags or other sorbent material used shall be immediately stored in covered containers for disposal or recycling; viii. Waste solvent shall be collected and stored in a closed container. The closed container may contain a device that allows pressure relief, provided that it does not allow liquid solvent to drain from the container; ix. Work area fans shall be located and positioned so that they do not blow across the opening of the degreaser unit; and x. If the machine is a heated cleaning machine, the solvent shall be maintained at a temperature that is below its boiling point. [N.J.A.C. 7:27-16.6(j)2vi] through [N.J.A.C. 7:27-16.6(j)2]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	The solvent used shall have a vapor pressure of < 1 millimeter of mercury, measured at 20 degrees Centigrade (68 degrees Fahrenheit). [N.J.A.C. 7:27-16.6(j)3]	Other: Monitored by reviewing the solvent specification or MSDS.[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 shall maintain, on-site, for not less than two years, after the date of purchase of solvent for use in the machine, the following information: (1) The name and address of the person selling the solvent. An invoice, bill of sale or a certificate that corresponds to a number of sales, if it has the seller's name and address on it, may be used to satisfy this requirement; (2) A list of VOC(s) and their concentration in the solvent; (3) Information about each VOC listed in (2) above. A Material Safety Data Sheet (MSDS) may be used to satisfy this requirement; (4) The solvents product number assigned by the manufacturer; and (5) The vapor pressure of the solvent measured in millimeters of mercury at 20 degrees Centigrade (68 degrees Fahrenheit). The Permittee shall provide this information to the Department upon request of the Department or its representative. [N.J.A.C. 7:27-16.6(j)4]	None.
8	Permittee shall use only non-halogenated solvent with a vapor pressure less than 1 millimeter of mercury at 68 degrees Fahrenheit. [N.J.A.C. 7:27-22.16(a)]	Other: The owner or operator shall review the MSDS sheets for each solvent.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain readily accessible MSDS sheets for each solvent.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U13 Degreaser, Socket Pouring Operations, Hanger #1 @ B1**
Operating Scenario: **OS1 VAPOR DEGREASER @ B1**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.5 lb/hr. Maximum allowable emission rate for particles based on 0.02 grains per SCF. [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
2	TSP <= 0.05 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U15 Carpentry Shop @ B191**
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)]	None.	None.	None.
3	Particulates Control Efficiency >= 99 %. [N.J.A.C. 7:27-22.16(a)]	None.	Other: Maintain manufacturing design documentation.[N.J.A.C. 7:27-22.16(o)].	None.
4	Emissions from all sources shall be directed to the CD40 (baghouse) [N.J.A.C. 7:27-22.16(a)]	Other: The permittee shall conduct inspections and maintenance on a schedule necessary to achieve the required particulate removal efficiency as specified by the manufacturer.[N.J.A.C. 7:27-22.16(a)].	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. Maintain readily accessible and sufficient records to demonstrate compliance. [N.J.A.C. 7:27-22.16(o)]	None.
5	Pressure Drop >= 1.5 and Pressure Drop <= 4 inches w.c. for CD40. [N.J.A.C. 7:27-22.16(a)]	Pressure Drop: Monitored by pressure drop instrument continuously. The permittee shall install, calibrate and maintain the monitor in accordance with the manufacturer's specifications. [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. Record the pressure drop. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U15 Carpentry Shop @ B191**

Operating Scenario: **OS1 Table Saw #1 @ B191, OS2 Disk Sander @ B191, OS3 Radial Arm Saw @ B191, OS5 Jointer @ B191, OS6 Shaper @ B191, OS7 Planer @ B191, OS8 Jointer#2 at bldg 191, OS9 Oscillating Spindle Sander at bldg 191, OS10 Shaper #2 at bldg 191**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.61 lb/hr. Particulate emission limit based on 0.02 grains per scfm. [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
2	TSP <= 0.05 lb/hr. Maximum hourly emission rate applicable to each operating scenario. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U16 Surface Coating (Rust Preventative) Dip Tank @ B124-1**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	VOC Content per Volume of Coating (Minus Water) <= 3.5 lb/gal. Maximum allowable limit for coating miscellaneous metal parts with extreme performance coating and /or air-dried coating. [N.J.A.C. 7:27-16.7(c)1]	Other: Monitored by review the records of the VOC content of each suface coating to confirm that the coating is VOC compliant.[N.J.A.C. 7:27-22.16(o)].	Other: The owner or operator shall maintain readily accessible records of material safety data sheets showing the VOC content. [N.J.A.C. 7:27-16.7(m)] and.[N.J.A.C. 7:27-16.7(o)].	None.
2	VOC (Total) <= 0.33 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	Raw material limited to WD40. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by review material specification data sheet.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain readily accessible material specification data sheets.[N.J.A.C. 7:27-22.16(o)].	None.
4	Coating Usage <= 2.5 gallons per day. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by review the amount of coating that is added and calculate the daily usage based on the number of days since the last addition of coating material each time coating material is added to the dip tank.[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 at the approved frequency. Record amount of coating added, the number of days since the last addition of coating material and the calculated daily usage each time material is added to the dip tank. [N.J.A.C. 7:27-22.16(o)]	None.
5	Coating Usage <= 135 gal/yr. [N.J.A.C. 7:27-22.16(a)]	Other: The owner or operator shall monitor the amount of coating added to the dip tank each month.[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 each month during operation. Record the total coating usage for each calendar month. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U16 Surface Coating (Rust Preventative) Dip Tank @ B124-1**
Operating Scenario: **OS1 Dip Tank - PMD Heat Treat @ B124**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	VOC (Total) <= 0.075 lb/hr. Maximum allowable emission rate based on the usage of 2.5 gallons per day. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U18 Manufacturing and Materials Handling Equipment in B148 (Hangar 2)**
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)]	None.	None.	None.
3	Cobalt compounds <= 0.000003 tons/yr Maximum annual emissions applicable to OS1, OS2 and OS3, based on 8 hr/day, 5 days/week, 52 weeks/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Chromium compounds <= 0.000026 tons/yr. Maximum annual emissions based on 8 hr/day, 5 days/week, 52 weeks/yr. The E9018 wire, E70S Wire and the ERNiCrMo wire shall not be used simultaneously to assure that the potential risk associated with it can be considered nefligible. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	Manganese compounds <= 0.00083 tons/yr. Maximum annual emissions combined, based on emission Factor 0.783 lb/1000lb, while using E9018 wire; and maximum annual emissions based on emission Factor 0.318 lb/1000lb, while using E70S wire. Total annual emissions based on 5 days/week, 8hr/day and 52 weeks/yr. The E9018 wire, E70S Wire and the ERNiCrMo wire shall not be used simultaneously to assure that the potential risk associated with it can be considered nefligible. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
6	Nickel compounds <= 0.000813 tons/yr. Maximum annual emissions (based on emission Factor 1.25 lb/1000lb and 8 hr/day, 5 days/week, 52 weeks/yr). while using ERNiCRMo wire. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	Total Material Transferred <= 40 lb/day. Maximum ammount of daily welding material usage (based on 8 hr/day, 5 days/week, 52 weeks/yr). These calculations are provide based on 40 lb/day. Each wire is calculated at 40 lb/day (except for ERNiCrMo which is limited to 20 lb/day). [N.J.A.C. 7:27-22.16(a)]	Total Material Transferred: Monitored by calculations each week during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	Total Material Transferred: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.
8	Total Throughput <= 5.2 tons/yr. Maximum annual ammount of welding material usage (based on 8 hr/day, 5 days/week, 52 weeks/yr). These calculations are provide based on 40 lb/day. Each wire is calculated at 40 lb/day (except for ERNiCrMo which is limited to 20 lb/day). [N.J.A.C. 7:27-22.16(o)]	Total Throughput: Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	Total Throughput: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U18 Manufacturing and Materials Handling Equipment in B148 (Hangar 2)**

Operating Scenario: **OS1 Robotic Welder in B148 (Hangar 2) using E9018 wire.**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.49 lb/hr. Particulate emission limit based on 0.02 grains per scfm. [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
2	TSP <= 0.05 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	Chromium compounds <= 0.0000075 lb/hr. Maximum hourly emissions (based on emission Factor 0.01lb/1000lb and 8 hr/day, 5 days/week, 52 weeks/yr). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Manganese compounds <= 0.00058725 lb/hr. Maximum hourly emissions (based on emission Factor 0.783 lb/1000lb and 8 hr/day, 5 days/week, 52 weeks/yr) while using E9018 wire. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	Nickel compounds <= 0.00000975 lb/hr. Maximum hourly emissions (based on emission Factor 1.25 lb/1000lb and 8 hr/day, 5 days/week, 52 weeks/yr). 520hr/yr while using ERNiCRMo wire. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Hours of Operation <= 312 hr/yr. Maximum total hours of operation. Therefore, the welding process may operate up to 9 minutes (0.15 hours) in any given hour while using E9018 wire. [N.J.A.C. 7:27-22.16(a)]	Hours of Operation: Monitored by hour/time monitor each week during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	Hours of Operation: Recordkeeping by manual logging of parameter or storing data in a computer data system each week during operation. Keep records of the ammount of welding process material / and hours of operation while using E9018 wire. [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
7	Total Material Transferred <= 40 lb/day. Based on manufacturing design capacity, and 8 hr/day operating hours. Therefore, the welding process may operate up to 9 minutes (0.15 hours) in any given hour while using E9018 wire. PROCESS LIMITATIONS The software based weld tables of the POWER WAVE® R500 limit the process capability within the output range and the safe limits of the machine. In general the processes will be limited to solid steel wire, stainless wire, cored wire, and Aluminum wire. [N.J.A.C. 7:27-22.16(a)]	Total Material Transferred: Monitored by calculations each week during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	Total Material Transferred: 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.
8	Total Throughput <= 5.2 tons/yr. Based on 5 days/week, 8 hours/day and 52 weeks of operation. Therefore, the welding process may operate up to 9 minutes (0.15 hours) in any given hour while using E9018 wire. [N.J.A.C. 7:27-22.16(o)]	Total Throughput: Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	Total Throughput: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U18 Manufacturing and Materials Handling Equipment in B148 (Hangar 2)**

Operating Scenario: **OS2 Robotic Welder in B148 (Hangar 2) using E70 wire.**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.49 lb/hr. Particulate emission limit based on 0.02 grains per scfm. [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
2	TSP <= 0.05 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	Cobalt compounds <= 0.0000025 lb/hr Maximum hourly emissions (based on emission Factor 0.01lb/1000lb and 8 hr/day, 5 days/week, 52 weeks/yr). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Chromium compounds <= 0.000025 lb/hr. Maximum hourly emissions (based on emission Factor 0.01lb/1000lb and 8 hr/day, 5 days/week, 52 weeks/yr). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	Manganese compounds <= 0.000795 lb/hr. Maximum hourly emissions (based on emission Factor 0.318 lb/1000lb and 8 hr/day, 5 days/week, 52 weeks/yr), while using E70S wire. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Hours of Operation <= 1,040 hr/yr. Maximum total hours of operation. Therefore, the welding process may operate up to 30 minutes in any given hour while using E70S wire. [N.J.A.C. 7:27-22.16(a)]	Hours of Operation: Monitored by hour/time monitor each week during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	Hours of Operation: Recordkeeping by manual logging of parameter or storing data in a computer data system each week during operation. Keep records of the ammount of welding process material / and hours of operation while using E9018 wire. [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
7	Total Material Transferred <= 40 lb/day. Based on manufacturing design capacity, and 8 hr/day operating hours. Therefore, the welding process may operate up to 30 minutes in any given hour while using E70 wire. PROCESS LIMITATIONS The software based weld tables of the POWER WAVE® R500 limit the process capability within the output range and the safe limits of the machine. In general the processes will be limited to solid steel wire, stainless wire, cored wire, and Aluminum wire. [N.J.A.C. 7:27-22.16(a)]	Total Material Transferred: Monitored by calculations each week during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	Total Material Transferred: 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.
8	Total Throughput <= 5.2 tons/yr. Based on 5 days/week, 8 hours/day and 52 weeks of operation. Therefore, the welding process may operate up to 30 minutes in any given hour while using E70 wire. [N.J.A.C. 7:27-22.16(o)]	Total Throughput: Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	Total Throughput: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U18 Manufacturing and Materials Handling Equipment in B148 (Hangar 2)**

Operating Scenario: **OS3 Robotic Welder in B148 (Hangar 2) using ERNiCRMo wire.**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.49 lb/hr. Particulate emission limit based on 0.02 grains per scfm. [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
2	TSP <= 0.05 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	Cobalt compounds <= 6.0E-7 lb/hr. Maximum hourly emissions (based on emission Factor 0.01lb/1000lb and 8 hr/day, 5 days/week, 52 weeks/yr). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Chromium compounds <= 0.00000625 lb/hr. Maximum hourly emissions (based on emission Factor 0.01lb/1000lb and 8 hr/day, 5 days/week, 52 weeks/yr). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	Nickel compounds <= 0.00078125 lb/hr. Maximum hourly emissions (based on emission Factor 1.25 lb/1000lb and 8 hr/day, 5 days/week, 52 weeks/yr), while using ERNiCRMo wire. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Hours of Operation <= 520 hr/yr. Maximum total hours of operation. Therefore, the welding process may operate up to 15 minutes in any given hour while using ERNiCRMo wire. [N.J.A.C. 7:27-22.16(a)]	Hours of Operation: Monitored by hour/time monitor each week during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	Hours of Operation: Recordkeeping by manual logging of parameter or storing data in a computer data system each week during operation. Keep records of the ammount of welding process material / and hours of operation while using E9018 wire. [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
7	Total Material Transferred <= 20 lb/day. Based on manufacturing design capacity, and 8 hr/day operating hours, while using ERNiCRMo wire. PROCESS LIMITATIONS The software based weld tables of the POWER WAVE® R500 limit the process capability within the output range and the safe limits of the machine. In general the processes will be limited to solid steel wire, stainless wire, cored wire, and Aluminum wire. [N.J.A.C. 7:27-22.16(a)]	Total Material Transferred: Monitored by calculations each week during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	Total Material Transferred: 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.
8	Total Throughput <= 5.2 tons/yr. Based on 5 days/week, 8 hours/day and 52 weeks of operation. Therefore, the welding process may operate up to 15 minutes in any given hour while using ERNiCRMo wire. [N.J.A.C. 7:27-22.16(o)]	Total Throughput: Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	Total Throughput: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U18 Manufacturing and Materials Handling Equipment in B148 (Hangar 2)**
Operating Scenario: **OS4 GOP-002 Laser Cutter in B148 (Hangar 2)**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Each Uncontrolled Piece of Equipment: The maximum emission rate for each air contaminant shall be below the reporting threshold in accordance with N.J.A.C. 7:27-22 and/or N.J.A.C. 7:27-17, as applicable. [N.J.A.C. 7:27-22.16(a)]	Monitored by calculations once initially. The permittee may use emission factors, engineering principles, vendor guarantees or mass balance to calculate the PTE for each air contaminant. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Maintain emission calculation records based on the maximum equipment capacity showing that the PTE for each air contaminant is below the reporting threshold in accordance with N.J.A.C. 7:27-22 and/or N.J.A.C. 7:27-17, as applicable. [N.J.A.C. 7:27-22.16(o)]	None.
2	Raw materials limited to those listed in general operating permit application. Plastics and metals may be processed in the laser cutter. [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing raw materials used. [N.J.A.C. 7:27-22.16(o)].	None.
3	Total Material Transferred: = 2342 pounds per hour. Total Material Transferred: maximum lb/hr throughput rate based on maximum equipment capacity from general operating permit application. The throughput of raw materials is greater than 50 pounds per hour materials processed by the laser cutter. [N.J.A.C. 7:27-22.16(a)]	None.	Other: Maintain records showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.
4	Total Material Transferred: <= 10257.96 tons per year. Total Material Transferred: maximum tons/yr throughput limit from general operating permit application. [N.J.A.C. 7:27-22.16(a)]	None.	Other: Maintain records showing the annual tons/yr throughput.[N.J.A.C. 7:27-22.16(o)].	None.
5	Pressure Drop >= 0.1 and Pressure Drop <= 8 inches w.c. Equipment with a Particulate Cartridge Filter: The Permittee shall maintain the Minimum and Maximum Operating Pressure Drop across the cartridge filter, inches w.c. from general operating permit application. [N.J.A.C. 7:27-22.16(a)]	Pressure Drop: Monitored by pressure drop instrument continuously. The permittee shall install, calibrate and maintain the monitor(s) in accordance with the manufacturer's specifications. The monitor(s) shall be ranged such that the allowable value is approximately mid-scale of the device. [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 daily showing the pressure drop across the cartridge filter. [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
6	Equipment with a Particulate Cartridge Filter: The owner or operator shall inspect and maintain the particulate control device on a schedule that maintains the designed particulate control efficiency as specified by the manufacturer. The particulate control device shall be operated and maintained in accordance with the manufacturer's recommendations. [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. Record each inspection and maintenance event. [N.J.A.C. 7:27-22.16(o)]	None.
7	TSP <= 0.05 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: **U19 One (1) Boiler - 98.52 MMBtu/hr Natural Gas-Fired Boiler, located at B362 Power Plant**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Summary of Federal Applicable Requirements: 40 CFR NSPS - Subpart A - GENERAL PROVISIONS Subpart Dc - STANDARDS OF PERFORMANCE FOR SMALL INDUSTRIAL-COMMERCIAL-INSTITUTI STEAM GENERATING UNITS [40 CFR 60]	None.	None.	None.
2	STACK TESTING SUMMARY: The permittee shall conduct a stack test using a protocol approved by the Department to demonstrate compliance with emission limits for VOC, NOx, and CO as specified in the compliance plan for OS1. Testing must be conducted at worst-case permitted operating conditions with regard to meeting the applicable emission standards, but without creating an unsafe condition. THIS STACK TEST IS SUBJECT TO THE SIGNIFICANT MODIFICATION SUPPLEMENTAL FEES PURSUANT TO N.J.A.C. 7:27-22.31. [N.J.A.C. 7:27-22.16(a)]	Other: The stack test must be conducted either within 180 days after initial startup of the modified source or within 60 days of approval of a timely submitted protocol, whichever comes later. Pursuant to N.J.A.C. 7:27-16.23(c) and 19.15(c), the initial stack test to demonstrate compliance with VOC/NOx and RACT standards shall be conducted within 180 days from the date on which source operation commences operation. If a source is subject to NSPS, extending the testing date beyond 180 days after the source's initial startup requires prior approval from US EPA. [N.J.A.C. 7:27-22.18] and [N.J.A.C. 7:27-22.16(o)].	Other: Recordkeeping as required under the applicable operating scenario(s). [N.J.A.C. 7:27-22.16(o)].	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. Submit a stack test protocol to the Emission Measurement Section (EMS) at Mail Code: 09-01, PO Box 420, Trenton, NJ 08625 within 60 days from the date of the approved modified operating permit. The protocol and test report must be prepared and submitted on a CD using the Electronic Reporting Tool (ERT), unless another format is approved by EMS. The ERT program can be downloaded at: https://www.epa.gov/chief. Within 30 days of protocol approval or no less than 60 days prior to the testing deadline, whichever is later, the permittee must contact EMS at 609-984-3443 to schedule a mutually acceptable test date. A full stack test report must be submitted to EMS and a certified summary test report must be submitted to the Regional Enforcement Office within 45 days after performing the stack test pursuant to N.J.A.C. 7:27-22.19(d). The test results must be certified by a licensed professional engineer or certified industrial hygienist. [N.J.A.C. 7:27-22.18(e)] and. [N.J.A.C. 7:27-22.18(h)]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
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. 7:27-3.2(a)] and [N.J.A.C. 7:27- 3.2(c)]	None.	None.	None.
4	VOC (Total) <= 0.985 tons/yr based on manufacturer's data, rated heat input of source, and annual fuel use limit. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	CO <= 9.113 tons/yr based on manufacturer's data, rated heat input of source, and annual fuel use limit. [N.J.A.C. 7:27-22.35(a)]	None.	None.	None.
6	NOx (Total) <= 2.463 tons/yr based on manufacturer's data rated heat input of source, and annual fuel use limit. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	SO2 <= 0.148 tons/yr based on manufacturer's data, rated heat input of source, and annual fuel use limit. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	TSP <= 1.232 tons/yr based on manufacturer's data, rated heat input of source, and annual fuel use limit. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	PM-10 (Total) <= 1.232 tons/yr based on manufacturer's data, rated heat input of source, and annual fuel use limit. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
10	PM-2.5 (Total) <= 1.232 tons/yr based on manufacturer's data, rated heat input of source, and annual fuel use limit. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
11	HAPs (Total) <= 0.000841 tons/yr. [N.J.A.C. 7:27-22.16(o)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
12	Dimethylbenz(a)anthracene (7,12-) <= 0.00000386 tons/yr based on AP-42 emission factors, rated heat input of source, and annual fuel use limit. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
13	Formaldehyde <= 0.018 tons/yr based on AP-42 emission factors, rated heat input of source, and annual fuel use limit. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
14	Arsenic compounds <= 0.0000483 tons/yr based on AP-42 emission factors, rated heat input of source, and annual fuel use limit. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
15	Cadmium compounds <= 0.000266 tons/yr based on AP-42 emission factors, rated heat input of source, and annual fuel use limit. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
16	Cobalt compounds <= 0.0000203 tons/yr based on AP-42 emission factors, rated heat input of source, and annual fuel use limit. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
17	Nickel compounds <= 0.000507 tons/yr based on AP-42 emission factors, rated heat input of source, and annual fuel use limit. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
18	Hours of Operation While Firing Natural Gas <= 5,000 hr/yr. Maximum annual hours of operation. [N.J.A.C. 7:27-22.16(a)]	Hours of Operation While Firing Natural Gas: Monitored by hour/time monitor continuously, based on a consecutive 365 day period (rolling 1 day basis). [N.J.A.C. 7:27-22.16(o)]	Hours of Operation While Firing Natural Gas: Recordkeeping by data acquisition system (DAS) / electronic data storage continuously. [N.J.A.C. 7:27-22.16(o)]	None.
19	Natural Gas Usage <= 482.94 MMft^3/yr Maximum annual fuel usage. [N.J.A.C. 7:27-22.16(a)]	Natural Gas Usage: Monitored by fuel flow/firing rate instrument continuously, based on a consecutive 12 month period (rolling 1 month basis) . [N.J.A.C. 7:27-22.16(o)]	Natural Gas Usage: Recordkeeping by data acquisition system (DAS) / electronic data storage continuously. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U19 One (1) Boiler - 98.52 MMBtu/hr Natural Gas-Fired Boiler, located at B362 Power Plant**
Operating Scenario: **OS1 98.52 MMBtu/hr Natural Gas-Fired Boiler, located at B362 Power Plant.**

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	Particulate Emissions <= 15.9 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.
3	VOC (Total) <= 50 ppmvd @ 7% O2. Maximum VOC iemissions. [N.J.A.C. 7:27-16.8(b)1]	VOC (Total): Monitored by stack emission testing once initially, based on the average of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Recordkeeping by stack test results once initially. Keep records of initial test results, and / or manufacturer's design guarantee's data,. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. Refer to stack testing requirements specified in this permit. [N.J.A.C. 7:27-22.16(o)]
4	VOC (Total) <= 0.004 lb/MMBTU. Based on manufacturer's data. [N.J.A.C. 7:27-22.35(a)]	VOC (Total): Monitored by stack emission testing once initially, based on the average of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Recordkeeping by stack test results once initially. Keep records of initial test results, and / or manufacturer's design guarantee's data,. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. Refer to stack testing requirements specified in this permit. [N.J.A.C. 7:27-22.16(o)]
5	VOC (Total) <= 0.394 lb/hr. Based on manufacturer's data. [N.J.A.C. 7:27-22.35(a)]	VOC (Total): Monitored by stack emission testing once initially, based on the average of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Recordkeeping by stack test results once initially. Keep records of initial test results, and / or manufacturer's design guarantee's data. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. Refer to stack testing requirements specified in this permit. [N.J.A.C. 7:27-22.16(o)]
6	CO <= 100 ppmvd @ 7% O2. [N.J.A.C. 7:27-16.8(b)2]	CO: Monitored by stack emission testing once initially, based on the average of three Department validated stack test runs. Refer to stack testing requirements specified in this permit. [N.J.A.C. 7:27-22.16(o)]	CO: Recordkeeping by stack test results once initially. Refer to stack testing requirements specified in this permit. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. Refer to stack testing requirements specified in this permit. [N.J.A.C. 7:27-22.16(o)]
7	CO <= 0.037 lb/MMBTU. Based on manufacturer's data. [N.J.A.C. 7:27-22.35(a)]	CO: Monitored by stack emission testing once initially, based on the average of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(a)]	CO: Recordkeeping by stack test results once initially. Keep records of initial test results, and / or manufacturer's design guarantee's data,. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. Refer to stack testing requirements specified in this permit. [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
8	CO <= 3.645 lb/hr. Based on manufacturer's data. [N.J.A.C. 7:27-22.35(a)]	CO: Monitored by stack emission testing once initially, based on the average of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)]	CO: Recordkeeping by stack test results once initially. Keep records of initial test results, and / or manufacturer's design guarantee's data,. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. Refer to stack testing requirements specified in this permit. [N.J.A.C. 7:27-22.16(o)]
9	The permittee shall annually adjust combustion process as specified at N.J.A.C. 7:27-16.24. [N.J.A.C. 7:27-16.8(b)3]	None.	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.

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Facility Specific Requirements

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

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
11	The owner or operator of the adjusted equipment or source operation shall ensure that the operating parameter settings are established and recorded after the combustion process is adjusted and that the adjusted equipment or source operation is maintained to operate consistent with the annual adjustment. [N.J.A.C. 7:27-19.16(e)]	Other: Monitored by the operating parameter settings that are established after the combustion process is adjusted in order to operate consistent with the annual adjustment.[N.J.A.C. 7:27-19.16(e)].	Other: The owner or operator shall record the operating parameter settings that are established after the combustion process is adjusted and retain until the next annual adjustment, to be made readily accessible to the Department upon request. [N.J.A.C. 7:27-19.16(e)].	None.
12	NOx (Total) <= 0.01 lb/MMBTU. Based on manufacturer's data. [N.J.A.C. 7:27-22.16(a)]	NOx (Total): Monitored by stack emission testing once initially, based on the average of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)]	NOx (Total): Recordkeeping by stack test results once initially. Keep records of initial test results, and / or manufacturer's design guarantee's data,. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. Refer to stack testing requirements specified in this permit. [N.J.A.C. 7:27-22.16(o)]
13	NOx (Total) <= 0.05 lb/MMBTU. [N.J.A.C. 7:27-19.7(i)2ii]	NOx (Total): Monitored by stack emission testing once initially, based on the average of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)]	NOx (Total): Recordkeeping by stack test results once initially. Keep records of initial test results, and / or manufacturer's design guarantee's data,. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. Refer to stack testing requirements specified in this permit. [N.J.A.C. 7:27-22.16(o)]
14	NOx (Total) <= 0.985 lb/hr. Based on manufacturer's data. [N.J.A.C. 7:27-22.16(a)]	NOx (Total): Monitored by stack emission testing once initially, based on the average of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)]	NOx (Total): Recordkeeping by stack test results once initially. Keep records of initial test results, and / or manufacturer's design guarantee's data,. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. Refer to stack testing requirements specified in this permit. [N.J.A.C. 7:27-22.16(o)]
15	SO2 <= 0.0006 lb/MMBTU based on manufacturer's data. [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records of manufacturer's guarantees.[N.J.A.C. 7:27-22.16(o)].	None.
16	TSP <= 0.493 lb/hr based on manufacturer's data. [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records of manufacturer's guarantees.[N.J.A.C. 7:27-22.16(o)].	None.
17	PM-10 (Total) <= 0.493 lb/hr based on manufacturer's data. [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records of manufacturer's guarantees.[N.J.A.C. 7:27-22.16(o)].	None.
18	PM-2.5 (Total) <= 0.493 lb/hr based on manufacturer's data. [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records of manufacturer's guarantees.[N.J.A.C. 7:27-22.16(o)].	None.
19	HAPs (Total) <= 0.000337 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
20	Dimethylbenz(a)anthracene (7,12-) <= 0.00000155 lb/hr. [N.J.A.C. 7:27-22.16(a)]	Dimethylbenz(a)anthracene (7,12-): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Other: Keep records of initial calculations.[N.J.A.C. 7:27-22.16(o)].	None.

U19 One (1) Boiler - 98.52 MMBtu/hr Natural Gas-Fired Boiler, located at B

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
21	Formaldehyde <= 0.00724 lb/hr based on AP-42 emission factors. [N.J.A.C. 7:27-22.16(a)]	Formaldehyde: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Other: Keep records of initial calculations.[N.J.A.C. 7:27-22.16(o)].	None.
22	Arsenic compounds <= 0.0000193 lb/hr based on AP-42 emission factors. [N.J.A.C. 7:27-22.16(a)]	Arsenic compounds: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Other: Keep records of initial calculations.[N.J.A.C. 7:27-22.16(o)].	None.
23	Cadmium compounds <= 0.000106 lb/hr based on AP-42 emission factors. [N.J.A.C. 7:27-22.16(a)]	Cadmium compounds: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Other: Keep records of initial calculations.[N.J.A.C. 7:27-22.16(o)].	None.
24	Cobalt compounds <= 0.00000811 lb/hr based on AP-42 emission factors. [N.J.A.C. 7:27-22.16(a)]	Cobalt compounds: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Other: Keep records of initial calculations.[N.J.A.C. 7:27-22.16(o)].	None.
25	Nickel compounds <= 0.000203 lb/hr based on AP-42 emission factors. [N.J.A.C. 7:27-22.16(a)]	Nickel compounds: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Other: Keep records of initial calculations.[N.J.A.C. 7:27-22.16(o)].	None.
26	Natural Gas Usage <= 96,588.24 ft^3/hr. [N.J.A.C. 7:27-22.16(a)]	Natural Gas Usage: Monitored by fuel flow/firing rate instrument continuously, based on a 1 hour block average The owner or operator shall install and operate a fuel flowmeter that shall meet an accuracy of not less than 2% as described in 40 CFR 75 Appendix D. [N.J.A.C. 7:27-22.16(o)]	Natural Gas Usage: Recordkeeping by data acquisition system (DAS) / electronic data storage continuously. [N.J.A.C. 7:27-22.16(o)]	None.
27	Maximum Gross Heat Input <= 98.52 MMBTU/hr (HHV). Boiler has been derated by following manufacturing process guidelines. [N.J.A.C. 7:27-22.16(a)]	None.	Other: The owner or operator shall maintain readily accessible manufacturer's specifications and certifications describing the physical change and the derated maximum gross heat input. Keep manufacturing design (Derated) specificatons on site.[N.J.A.C. 7:27-22.16(o)].	None.
28	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)]

U19 One (1) Boiler - 98.52 MMBtu/hr Natural Gas-Fired Boiler, located at B

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
29	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)]
30	The owner or operator subject to the provisions of 40 CFR Part 60 shall furnish the Administrator written notification or, if acceptable to both the Administrator and the owner or operator of a source, electronic notification, of the 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)]
31	The owner or operator subject to the provisions of 40 CFR Part 60 shall furnish the Administrator written notification or, if acceptable to both the Administrator and the owner or operator of a source, electronic notification, of the actual date of initial startup of an affected facility postmarked within 15 days after such date. (NSPS Subpart A) [40 CFR 60.7(a)(3)]	None.	None.	Submit notification: Upon occurrence of event to EPA Region 2 and the appropriate Regional Enforcement Office of NJDEP as required by 40 CFR 60.7 [40 CFR 60.7(a)(3)]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
32	The owner or operator subject to the provisions of 40 CFR Part 60 shall furnish the Administrator written notification or, if acceptable to both the Administrator and the owner or operator of a source, electronic notification, of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless that change is specifically exempted under an applicable subpart or in 40 CFR 60.14(e). The notification shall include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of facility before and after the change and the expected completion date of the change. Notification shall be postmarked within 60 days or as soon as practicable before any change is commenced. The Administrator may request additional relevant information subsequent to this notice. (NSPS Subpart A) [40 CFR 60.7(a)(4)]	None.	None.	Submit notification: Upon occurrence of event to EPA Region 2 and the appropriate Regional Enforcement Office of NJDEP as required by 40 CFR 60.7 [40 CFR 60.7(a)(4)]
33	At all times, including periods of start-up, shutdown, and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, opacity observations, review of operation and maintenance procedures, and inspection of the source. (NSPS Subpart A) [40 CFR 60.11(d)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
34	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.
35	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.
36	The owner or operator of each affected facility shall submit notification of the date of construction or reconstruction, anticipated startup, and actual startup, as provided by 40 CFR 60.7. This notification shall include information specified in 40 CFR 60.48c(a)1 through (a)4. [40 CFR 60.48c(a)]	None.	None.	Submit a report: Upon occurrence of event. [40 CFR 60.48c(a)]
37	The owner or operator of an affected facility that combusts only natural gas, wood, fuels using fuel certification in 40 CFR 60.48c(f), fuels not subject to an emission standard (excluding opacity), or a mixture of these fuels shall record and maintain records of the amount of each fuel combusted during each calendar month. [40 CFR 60.48c(g)(2)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation 40 CFR 60.48c(i) and/ or. [40 CFR 60.48c(g)(2)]	Submit a report: As per the approved schedule The permittee shall submit to the Administrator all reports required under 40 CFR 60.40,. [40 CFR 60.48c]

JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) (78897)
BOP230001

New Jersey Department of Environmental Protection
Facility Profile (General)

Facility Name (AIMS): JOINT BASE MCGUIRE-DIX-LAKEHURST **Facility ID (AIMS):** 78897

Street Address: RT 547 - BLDG 5
CODE 87 CEG / 787 CES
LAKEHURST, NJ 08733-5069

Mailing Address: RT 547 - BLDG 5
CODE 87 CEG / 787 CES
LAKEHURST, NJ 08733-5069

State Plane Coordinates:

X-Coordinate:	545,717
Y-Coordinate:	434,578
Units:	Feet
Datum:	NAD83
Source Org.:	Other/Unknown
Source Type:	GPS

County: Ocean

Location Description: Military Base
7400 acre complex

Industry:

Primary SIC:	9711
Secondary SIC:	
NAICS:	928110

New Jersey Department of Environmental Protection
Facility Profile (General)

Contact Type: Air Permit Information Contact

Organization: Joint Base McGuire-Dix-Lakehurst
Org. Type: Federal
Name: Renee Piatt
NJ EIN: 12345678901
Title: Air Quality Program Manager
Phone: (609) 754-1722 x
Fax: ( ) - x
Other: ( ) - x
Type:
Email: renee.piatt@us.af.mil
Mailing Address: 87th CEG/787th CES
2404 Vandenberg Ave
JB MDL, NJ 08641-5104

Contact Type: Consultant

Organization: Cardno, Inc.
Org. Type: Public
Name: Scott Baggiore
NJ EIN: 12345678901
Title: Environmental Engineer
Phone: (801) 391-1567 x
Fax: ( ) - x
Other: ( ) - x
Type: Mobile
Email: scott.baggiore@cardno-gs.com
Mailing Address: 2363 HIll Field Rd
Suite 150
Layton, UT 84041

Contact Type: Emission Statements

Organization: Joint Base McGuire-Dix-Lakehurst
Org. Type: Federal
Name: Renee Piatt
NJ EIN: 12345678901
Title: Air Quality Program Manager
Phone: (609) 754-1722 x
Fax: ( ) - x
Other: ( ) - x
Type:
Email: renee.piatt@us.af.mil
Mailing Address: 87th CEG/787th CES
2404 Vandenberg Ave
JB MDL, NJ 08641-5104

New Jersey Department of Environmental Protection
Facility Profile (General)

Contact Type: Environmental Officer

Organization: Joint Base McGuire-Dix-Lakehurst
Org. Type: Federal
Name: Mr. Carl Champion, PE
NJ EIN:
Title: JBMDL Installation Environmental Chief
Phone: (609) 754-6166 x
Fax: ( ) - x
Other: ( ) - x
Type:
Email: carl.champion.1@us.af.mil
Mailing Address: 787th Civil Engineering, CES/CEIE
2404 Vandenberg Ave.
87 CES/787 CES
JB MDL, NJ 08641-5104

Contact Type: Fees/Billing Contact

Organization: Joint Base McGuire-Dix-Lakehurst
Org. Type: Federal
Name: Renee Piatt
NJ EIN: 12345678901
Title: Air Quality Program Manager
Phone: (609) 754-1722 x
Fax: ( ) - x
Other: ( ) - x
Type:
Email: renee.piatt@us.af.mil
Mailing Address: 87th CEG/787th CES
2404 Vandenberg Ave
JB MDL, NJ 08641-5104

Contact Type: General Contact

Organization: Joint Base McGuire-Dix-Lakehurst
Org. Type: Federal
Name: Renee Piatt
NJ EIN: 12345678901
Title: Air Quality Program Manager
Phone: (609) 754-1722 x
Fax: ( ) - x
Other: ( ) - x
Type:
Email: renee.piatt@us.af.mil
Mailing Address: 87th CEG/787th CES
2404 Vandenberg Ave
JB MDL, NJ 08641-5104

New Jersey Department of Environmental Protection
Facility Profile (General)

Contact Type: **Operator**

Organization: U.S. Air Force
Org. Type: Federal
Name: U.S. Air Force
NJ EIN: 12345678901
Title: Owner
Phone: (609) 754-6166 x
Fax: ( ) - x
Other: ( ) - x
Type:
Email: theresa.fuller.3@us.af.mil
Mailing Address: Route 547 - Building 5
87 CEG / 787 CES
Lakehurst, NJ 08733

Contact Type: **Owner (Current CO-1)**

Organization: U.S. Air Force
Org. Type: Federal
Name: U.S Air Force
NJ EIN: 99999999999
Title: Owner
Phone: (609) 754-6166 x
Fax: ( ) - x
Other: ( ) - x
Type:
Email:
Mailing Address: Building 5
87 CEG / 787CES
Lakehurst, NJ 08733

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

Organization: U.S. Air Force
Org. Type: Federal
Name: U.S. Air Force
NJ EIN: 12345678901
Title: Owner
Phone: (732) 323-7800 x
Fax: (732) 323-5223 x
Other: ( ) - x
Type:
Email: laura.malta.1@us.af.mil
Mailing Address: Route 547 - Building 5
87 CEG / 787 CES
87 CEG / 787 CES
Lakehurst, NJ 08733

New Jersey Department of Environmental Protection
Facility Profile (General)

Contact Type: **Responsible Official**

Organization: USDOD JBMDL

Name: CHRISTOPHER ARCHER

Title: DEPUTY GROUP COMMANDER

Phone: (609) 754-2768 x

Fax: (609) 754-3033 x

Other: ( ) - x

Type:

Email: christopher.archer@us.af.mil

Org. Type: Federal

NJ EIN: 12345678901

Mailing Address: 2403 VANDENBERG AVE - 87CES/787CES
RT 547 BLDG 5 - ENVIRONMENTAL
87CES/787 CES
JB MDL, NJ 08641-5104

JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) (78897) Date: 07/17/2023
BOP230001

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	HSMS Database: Miscellaneous Fugitive Emissions	VARIOUS	11.880	0.000	0.000	0.000	0.000	0.000	0.000	0.00000000	0.000
FG2	PESTICIDE APPLICATIONS	VARIOUS	0.070	0.000	0.000	0.000	0.000	0.000	0.000	0.00000000	0.000
FG6	Refrigeration units <50 lb charge	VARIOUS	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.00000000	0.000

JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) (78897)
BOP230001

Date: 7/17/2023

New Jersey Department of Environmental Protection
Insignificant Source Emissions

IS NJID	Source/Group Description	Equipment Type	Location Description	Estimate of Emissions (tpy)								
				VOC (Total)	NOx	CO	SO	TSP	PM-10	Pb	HAPS (Total)	Other (Total)
IS1	(167) Natural Gas Fired Boilers/Heaters < 1MMBtu/hr	Fuel Combustion Equipment (Other)	Basewide	0.859	15.613	13.115	0.094	1.187	1.187	0.000	0.00000000	0.000
IS2	(62) Propane Fired Boilers/Heaters <1 MMBtu/hr	Fuel Combustion Equipment (Other)	Basewide	0.175	2.279	1.315	0.003	0.123	0.088			
IS3	(15) Diesel Emergency Generators, each with heat input less than 1.0 MMBTU/hr	Emergency Generator	Basewide	1.041	4.833	0.385	0.320	0.343	0.343	0.000	0.00000000	0.000
IS4	(4) WD-40 Coating Operation Equipment, using less than 0.5 gallons per hour of coating material in building 124	Surface Coating Equipment (Non-Fabric Material)	Facility Wide	2.530								
IS6	(42) ASTs <= 10,000 gallons capacity - Diesel/Fuel Oil #2	Storage Vessel	Basewide	0.001								
IS7	(2) ASTs < 2,000 gallons capacity - Jet-A Fuel	Storage Vessel	Basewide	0.075								
IS8	(1) ASTs <=10,000 gallons capacity - Diesel (Tank Truck)	Storage Vessel	Basewide	0.000								

JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) (78897)
BOP230001

Date: 7/17/2023

New Jersey Department of Environmental Protection
Insignificant Source Emissions

IS NJID	Source/Group Description	Equipment Type	Location Description	Estimate of Emissions (tpy)								
				VOC (Total)	NOx	CO	SO	TSP	PM-10	Pb	HAPS (Total)	Other (Total)
IS9	(6) ASTs <=10,000 gallons capacity - Jet-A Fuel (Tank Truck)	Storage Vessel	Basewide	0.137								
IS10	(4) ASTs < 2,000 gallons capacity - Used Oil	Storage Vessel	Basewide	0.000								
IS11	(24) ASTs <=10,000 gallons capacity - Propane	Storage Vessel	Basewide	0.000								
IS12	(13) Degreasers - solvent cleaning tanks	Cleaning Machine (Open Top: Cold)	Basewide	3.960								
IS13	(7) FBI Hanger Natural Gas Combustion Heaters < 1 MMBtu/hr	Fuel Combustion Equipment (Other)	Bldg. 690	0.029	0.526	0.442	0.003	0.040	0.040			
IS14	(10) Miscellaneous Processes <= 50 lb/hr of raw material	Manufacturing and Materials Handling Equipment	Basewide	0.000								
IS15	(2) Welding Processes < 12 lb/day of welding material	Manufacturing and Materials Handling Equipment	Bldg. 148	0.000								
IS16	(1) Diesel Fire Pump @ B673 with heat input less than 1.0 MMBTU/hr	Stationary Reciprocating Engine	Bldg. B673	0.000								

JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) (78897)
BOP230001

Date: 7/17/2023

New Jersey Department of Environmental Protection
Insignificant Source Emissions

IS NJID	Source/Group Description	Equipment Type	Location Description	Estimate of Emissions (tpy)								
				VOC (Total)	NOx	CO	SO	TSP	PM-10	Pb	HAPS (Total)	Other (Total)
IS17	(1) Chemeon cleaning process < 100 gallons in building 706/Hangar 10	Storage Vessel	Bildg. 706 Hangar 10									
IS18	(1) Tumble Grit Blaster @ B124 E331-CD38 & CD39 < 50 lb/hr Material Process	Manufacturing and Materials Handling Equipment	@ Building 124									
Total				8.807	23.251	15.257	0.420	1.693	1.658	0.000	0.00000000	0.000

JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) (78897) Date: 7/17/2023

BOP230001

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
E4	Blr-NJ89	1.26 MMBTU/hr Boiler @ B342	Boiler	PCP000000			1/31/2003	
E9	Blr-NJ79	1.527 MMBTU/HR BOILER	Boiler	PCP000000			5/1/2002	
E10	B191 Boiler	2.41 MMBTU/hr (HHV) Boiler	Boiler	BOP180003	3/5/2018			
E16	Blr-NJ02	20.92 MMBTU/hr - PP2 Boiler #7 @ B362, B7	Boiler	118296			1/31/2003	
E17	Blr-NJ03	20.92 MMBTU/hr - PP2 Boiler #6 @ B362, B6	Boiler	118297			1/31/2003	
E18	LC BLDG 148	Laser Cutter	Manufacturing and Materials Handling Equipment		5/14/2020			
E22	Blr-NJ64	1.357 MMBTU/HR BOILER	Boiler	095799				
E23	Blr - NJ68	98.5 MMBTU/hr - PP2 Boiler #2 @ B362, B2	Boiler	104099			1/31/2003	
E25	BOILER	2.5 MMBTU/HR BOILER	Boiler	117679				
E64	Melt P. NJ61	700 MBTU/HR LEAD MELTING POT	Fuel Combustion Equipment (Other)	112671				
E65	Melt P. NJ61	700 MBTU/HR LEAD MELTING POT	Fuel Combustion Equipment (Other)	112671				
E74	PaintsprNJ51	PAINTSPRAY BOOTH #1	Surface Coating Equipment (Non-Fabric Material)	124151				
E75	PaintsprNJ52	PAINTSPRAY BOOTH #2	Surface Coating Equipment (Non-Fabric Material)	124375				

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
E84	S16(NJ86)	AGT STORAGE 6000 GAL	Storage Vessel	123337				
E85	S17(NJ87)	AGT STORAGE 6000 GAL	Storage Vessel	123338				
E91	AST-NJ93	25,000 GAL AST (S-19)	Storage Vessel	BOP090001				
E92	AST-NJ92	25,000 GAL AST (S-20)	Storage Vessel	BOP090001				
E97	Blr - NJ98	1.35 MMBTU/hr - B608 Boiler	Boiler	125406			1/31/2003	
E102	DegreaseNJ97	DEGREASER	Cleaning Machine (Open Top: Heated)	124901				
E124	HWHtrBld33	1.0 MMBtu/hr NG - Hot Water Heater	Fuel Combustion Equipment (Other)	122804				
E125	Blr PP2 B362	61.37 MMBTU/hr - PP2 Boiler #3 @ B362, B3	Boiler	PCP980002			1/31/2003	
E128	Blr Bldg5	1.512 MMBtu/hr	Boiler	PCP000000			5/1/2002	
E130	Blr Bldg88	1.512 MMBtu/hr	Boiler	PCP000000			5/1/2002	
E132	Blr Bldg123	5.5 MMBtu/hr	Boiler	PCP000000			5/1/2002	
E135	Blr Bldg148	5.0 MMBtu/hr	Boiler	PCP000000			5/1/2002	
E136	Blr Bldg148	5.0 MMBtu/hr	Boiler	PCP000000			5/1/2002	
E137	Blr Bldg148	5.0 MMBtu/hr	Boiler	PCP000000			5/1/2002	
E138	Blr Bldg148	5.0 MMBtu/hr	Boiler	PCP000000			5/1/2002	
E139	Blr Bldg149	5.04 MMBtu/hr	Boiler	PCP000000			5/1/2002	
E140	Blr Bldg149	5.04 MMBtu/hr	Boiler	PCP000000			5/1/2002	
E141	Blr Bldg149	4.184 MMBtu/hr	Boiler	PCP000000			5/1/2002	

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
E142	Blr Bldg149	4.184 MMBtu/hr	Boiler	PCP000000			5/1/2002	
E150	Blr Bldg562	3.172 MMBtu/hr	Boiler	PCP000000			5/1/2002	
E151	EG Bldg282	2.07 MMBTU/hr - 175 kW Emergency Generator	Emergency Generator	BOP950001-GEN010			5/31/2001	
E301	API Facility	5.5 MMBtu/hr	Boiler	PCP000000			5/1/2002	
E303	Blr Bldg124	2.2 MMBtu/hr	Boiler	PCP000000			5/1/2002	
E306	PbootBldg149	Paintspray Booth #3	Surface Coating Equipment (Non-Fabric Material)	BOP030004		No		
E308	TSaw1Bldg191	Table Saw #1	Other Equipment	BOP030004		No		
E309	DsandBldg191	Disk Sander	Other Equipment	BOP030004		No		
E310	RAsawBldg191	Radial Arm Saw	Other Equipment	BOP030004		No		
E312	JointBldg191	Jointer	Other Equipment	BOP030004		No		
E313	ShapeBldg191	Shaper	Other Equipment	BOP030004		No		
E314	PlannBldg191	Planner	Other Equipment	BOP030004		No		
E320	Safety Kleen	Safety Kleen - PMD Heat Treatment	Surface Coating Equipment (Non-Fabric Material)	BOP030004		No	12/12/2018	
E328	EG-100kW	1.2 MMBtu/hr -100 kW Diesel Generator	Emergency Generator	BOP040004				
E334	150 HP FP1	150 HP EMALS Fire Pump #1	Stationary Reciprocating Engine	BOP050001				

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
E335	150 HP FP2	150 HP EMALS Fire Pump #2	Stationary Reciprocating Engine	BOP050001				
E336	BLDG257 FP1	200 HP Fire Pump #1	Stationary Reciprocating Engine	BOP050001				
E338	Bldg 308 FP	265 HP Fire Pump	Stationary Reciprocating Engine	BOP050001				
E345	Bldg 356 FP2	207 hp (1.67 MMBtu/hr) Diesel Fire Pump @ B356	Stationary Reciprocating Engine	BOP070001	5/1/2007	No		
E347	Building 120	4.184 MMBtu/hr	Boiler	BOP090001		No		
E348	Building 257	200 HP Fire Pump #2	Stationary Reciprocating Engine	BOP090002				
E349	E 85 Tank	10,000-gallon AST for E85	Storage Vessel	BOP100001	5/1/2010	No		
E350	Parts Washer	Safety Kleen Parts Washer	Cleaning Machine (Open Top: Cold)	BOP1000001	5/1/2010	No		
E351	NG Boiler	3.25- MMBtu/hr NG Fired Boiler	Boiler	BOP100001	5/1/2010	No		
E352	NG Boiler	3.25- MMBtu/hr NG Fired Boiler	Boiler	BOP100001	5/1/2010	No		
E353	B26 EmGen	6.01 MMBTU/hr - 450 kW Emergency Generator using NG	Emergency Generator	BOP100002	8/1/2010			
E354	Parts Washer	Assembly Area Parts Washer Bldg. 148	Cleaning Machine (Open Top: Cold)	BOP100003	8/1/2010			
E355	NGBlr@B680	1.0 MMBtu/hr Natural Gas Boiler at the Water Tower	Boiler			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
E356	Hanger 2	Clean-O-Matic Parts Washer	Cleaning Machine (Open Top: Cold)			No		
E358	200kW-EG	200 kW Diesel Emergency Generator at Test Track	Emergency Generator	BOP120001	2/1/2013	No		
E359	100kW-EGB12	1.99 MMBtu/hr-100 kW Diesel Emergency Generator at B120	Emergency Generator	BOP120001	2/1/2013	No		
E360	1.3Blr-Bg356	1.357 MMBTU/Hr Natural Gas Boiler	Boiler	BOP120001	4/1/2013	No		
E361	1.3Blr-Bg356	1.357 MMBTU/Hr Natural Gas Boiler	Boiler	BOP120001	4/1/2013	No		
E364	ECS27@B851	1.25 MMBtu/hr Natural Gas Furnace (Bldg. 851) "Army Reserve"	Fuel Combustion Equipment (Other)	BOP150003		No		
E365	PW-@B124	Parts Washer - PW-@B124	Cleaning Machine (Open Top: Cold)	BOP150003		No		
E367	NG-EG@B851	One - 2.32 MMBTU/HR NG-EG @B851	Emergency Generator	BOP150003	10/1/2015	No		
E368	Bld.307-Blr	6.495 MMBtu/hr NG Boiler in Bldg. 307	Boiler			No		
E370	CERDEC FAC	Paint Booth at CERDEC Flight Activity Center	Surface Coating Equipment (Non-Fabric Material)			No		
E371	EGB685	1.24 MMBTU/hr (HHV) Emerg. Gen. (100 kW)	Emergency Generator		7/20/2016			

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
E372	EGB362	1.64 MMBTU/hr (HHV) Emerg. Gen. (150 kW)	Emergency Generator		8/8/2016			
E373	Bldg.148 PW2	Parts Washer NAVAIR	Cleaning Machine (Open Top: Cold)	BOP160005				
E376	Bldg.148 PW5	Parts Washer NAVAIR	Cleaning Machine (Open Top: Cold)	BOP160005				
E377	B687 EGen	1.54 MMBtu/hr (HHV) Emerg. Gen. (150 kW)	Emergency Generator		1/3/2017			
E378	NGFur@B124	1.925 MMBtu/hr NG Furnace @ B124	Fuel Combustion Equipment (Other)					
E379	NGBlr@B480	1.527 MMBtu/hr NG Boiler @ B481	Boiler					
E380	B621 SB11 EG	2.1 MMBTU/hr (HHV) Emerg. Gen. (200 kW)	Emergency Generator		2/8/2018			
E381	DEG250@B70	5.2 MMBTU/hr (HHV) Emerg. Gen. (346 kW)	Emergency Generator		7/12/2019			
E382	NGHtr1@B149	1.166 MMBtu/hr NG Heater #1 at bldg 149/Hangar 3	Process Heater		7/1/2020	No		
E383	NGHtr2@B149	1.749 MMBtu/hr NG Heater #2 at bldg 149/Hangar 3	Process Heater		7/1/2020	No		
E384	NGHtr3@B149	1.866 MMBtu/hr NG Heater #3 at bldg 149/Hangar 3	Process Heater		7/1/2020	No		
E385	Jointr2@B191	Jointer #2 at bldg 191 Carpentry Shop	Other Equipment		7/1/2020	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
E386	Spindle@B191	Oscillating Spindle Sander at bldg 191 Carpentry Shop	Other Equipment		7/1/2020	No		
E387	Shaper2@B191	Shaper #2 at bldg 191 Carpentry Shop	Other Equipment		7/1/2020	No		
E388	Welder@B148	Robotic Welder at building 148 (Hangar 2)	Other Equipment		10/1/2020	No		
E389	99-NG@ B362	98.52 MMBtu/hr Natural-Gas Fired Boiler, located at B362 Power Plant	Boiler			No		
E390	DEG300@B28	3.16 MMBTU/hr (HHV) Emerg. Gen. (346 kW)	Emergency Generator		5/13/2021			
E391	PW2 @149	Safety Kleen Model 81 Parts Washer #2 @ B149	Cleaning Machine (Open Top: Cold)					
E392	DEG300@B28	346 kW (3.16 MMBtu/hr) diesel emergency generator at bldg 282	Emergency Generator		5/17/2021			

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E4 (Boiler)
Print Date: 7/17/2023

Make:	
Manufacturer:	SMITH
Model:	SERIES 8
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.26
Boiler Type:	Package
Utility Type:	Non-Utility
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?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No

Comments:

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E4 (Boiler)
Print Date: 7/17/2023

Make:	
Manufacturer:	SMITH
Model:	SERIES 8
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.26
Boiler Type:	Package
Utility Type:	Non-Utility
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?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No

Comments:

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E9 (Boiler)
Print Date: 7/17/2023

Make:	
Manufacturer:	Weil McLain
Model:	Boiler #P-1178-W, Series #1
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.53
Boiler Type:	
Utility Type:	Non-Utility
Output Type:	Water 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:	
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:	

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E10 (Boiler)
Print Date: 7/17/2023

Make:	ClearFire-H
Manufacturer:	Cleaver Brooks
Model:	CFH 60HP 15#
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	2.41
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:	Screen
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:

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E16 (Boiler)
Print Date: 7/17/2023

Make:	
Manufacturer:	CLEAVER BROOKS
Model:	CB600-500
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	20.92
Boiler Type:	Fire Tube
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	
Fuel Firing Method:	Cyclone
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? No

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

Comments:

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E17 (Boiler)
Print Date: 7/17/2023

Make:	
Manufacturer:	CLEAVER BROOKS
Model:	CB600-500
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	20.92
Boiler Type:	Fire Tube
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	18,000.00
Fuel Firing Method:	Tangential
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? No

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

Comments:

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E18 (Manufacturing and Materials Handling Equipment)

Make:	Donaldson
Manufacturer:	Donaldson
Model:	DFPRO6-SPRK
Type of Manufacturing and Materials Handling Equipment:	Equipment in Which the Combined Weight of A
Capacity:	
Units:	
Description (if other):	
Have you attached a diagram showing the location and/or the configuration of this equipment?	
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	
Comments:	Equipment Location: Bldg 148/MTLFAB. Raw Materials Limited To: Plastic, Metals. Total Material Transferred: 2342 (lb/hr), 10257.96 (tons/yr). Basis of PTE Emission Limits: Option 3: Manufacturing and Materials Handling Equipment with TSP, PM-10, and PM-2.5 Potential to Emit (PTE) emissions after a particulate Control Device (Baghouse or Cartridge Filter) less than the reporting threshold. All other air contaminants PTE emissions shall be less than the reporting threshold before the Control Device for each air contaminant.

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E22 (Boiler)
Print Date: 7/17/2023

Make:	
Manufacturer:	WEIL-MCLAIN
Model:	WR8.2 0-0-07
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.36
Boiler Type:	
Utility Type:	Non-Utility
Output Type:	Water 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:	
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:

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E23 (Boiler)
Print Date: 7/17/2023

Make:	Babcock & Wilcox
Manufacturer:	Babcock & Wilcox
Model:	B&W No. 24811
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	98.50
Boiler Type:	Water Tube
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	87,500.00
Fuel Firing Method:	Tangential
Description (if other):	
Draft Type:	Forced
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? No

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

Comments:

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E25 (Boiler)
Print Date: 7/17/2023

Make:	
Manufacturer:	WEIL-MCLAIN
Model:	28-A-8
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	2.50
Boiler Type:	
Utility Type:	Non-Utility
Output Type:	Water Only
Steam Output (lb/hr):	
Fuel Firing Method:	Wall-fired or cross-fired
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:	

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E64 (Fuel Combustion Equipment (Other))
Print Date: 7/17/2023

Make:	700 MBTU/HR LEAD MELTING POT
Manufacturer:	
Model:	
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	0.70
Type of Heat Exchange:	
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.

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E65 (Fuel Combustion Equipment (Other))
Print Date: 7/17/2023

Make:	700 MBTU/HR LEAD MELTING POT
Manufacturer:	
Model:	
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	0.70
Type of Heat Exchange:	
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.

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E74 (Surface Coating Equipment (Non-Fabric Material))

Make:	PaintsprNJ51
Manufacturer:	
Model:	
Method of Application:	Spray Type:
Description:	

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

- ○ Yes
- ● No

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

- ○ Yes
- ● No

Comments:

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E75 (Surface Coating Equipment (Non-Fabric Material))

Make:	PaintsprNJ52
Manufacturer:	
Model:	
Method of Application:	Spray Type:
Description:	

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

- ○ Yes
- ● No

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

- ○ Yes
- ● No

Comments:

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E84 (Storage Vessel)
Print Date: 7/17/2023

What type of contents is this storage vessel equipped to contain by design?	Liquids Only
Storage Vessel Type:	Tank
Design Capacity:	6,000
Units:	gallons
Ground Location:	Above Ground
Is the Shell of the Equipment Exposed to Sunlight?	Yes
Shell Color:	White
Description (if other):	
Shell Condition:	
Paint Condition:	Good
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):	
Length (ft):	16.17
Width (ft):	
Diameter (ft):	8.00
Other Dimension	
Description:	
Value:	
Units:	
Fill Method:	Submerged
Description (if other):	
Maximum Design Fill Rate:	110.00
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):	15.00
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	

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E84 (Storage Vessel)
Print Date: 7/17/2023

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

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E85 (Storage Vessel)
Print Date: 7/17/2023

What type of contents is this storage vessel equipped to contain by design?	Liquids Only
Storage Vessel Type:	Tank
Design Capacity:	6,000
Units:	gallons
Ground Location:	Above Ground
Is the Shell of the Equipment Exposed to Sunlight?	Yes
Shell Color:	White
Description (if other):	
Shell Condition:	
Paint Condition:	Good
Shell Construction:	Welded
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):	15.00
Length (ft):	16.17
Width (ft):	
Diameter (ft):	8.00
Other Dimension	
Description:	
Value:	
Units:	
Fill Method:	Submerged
Description (if other):	
Maximum Design Fill Rate:	110.00
Units:	gal/min
Does the storage vessel have a roof or an open top?	Roof
Roof Type:	Horizontal fixed roof tank
Roof Height (From Roof Bottom to Roof Top) (ft):	
Roof Construction:	
Primary Seal Type:	
Secondary Seal Type:	
Total Number of Seals:	
Roof Support:	
Does the storage vessel have a Vapor Return Loop?	Yes
Does the storage vessel	

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E85 (Storage Vessel)
Print Date: 7/17/2023

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

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E91 (Storage Vessel)
Print Date: 7/17/2023

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:	Above Ground
Is the Shell of the Equipment Exposed to Sunlight?	Yes
Shell Color:	White
Description (if other):	
Shell Condition:	
Paint Condition:	Good
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):	
Length (ft):	42.00
Width (ft):	
Diameter (ft):	10.00
Other Dimension	
Description:	
Value:	
Units:	
Fill Method:	Submerged
Description (if other):	
Maximum Design Fill Rate:	280.00
Units:	gal/min
Does the storage vessel have a roof or an open top?	Roof
Roof Type:	Horizontal fixed roof tank
Roof Height (From Roof Bottom to Roof Top) (ft):	
Roof Construction:	
Primary Seal Type:	
Secondary Seal Type:	
Total Number of Seals:	
Roof Support:	
Does the storage vessel have a Vapor Return Loop?	No
Does the storage vessel	

Does the storage vessel have a Conservation Vent?	No
Have you attached a diagram showing the location and/or the configuration of this equipment?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E92 (Storage Vessel)
Print Date: 7/17/2023

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:	Above Ground
Is the Shell of the Equipment Exposed to Sunlight?	Yes
Shell Color:	White
Description (if other):	
Shell Condition:	
Paint Condition:	Good
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):	
Length (ft):	42.00
Width (ft):	
Diameter (ft):	10.00
Other Dimension	
Description:	
Value:	
Units:	
Fill Method:	Submerged
Description (if other):	
Maximum Design Fill Rate:	280.00
Units:	gal/min
Does the storage vessel have a roof or an open top?	Roof
Roof Type:	Horizontal fixed roof tank
Roof Height (From Roof Bottom to Roof Top) (ft):	
Roof Construction:	
Primary Seal Type:	
Secondary Seal Type:	
Total Number of Seals:	
Roof Support:	
Does the storage vessel have a Vapor Return Loop?	No
Does the storage vessel	

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

Comments:

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E97 (Boiler)
Print Date: 7/17/2023

Make:	HB Smith
Manufacturer:	HB Smith
Model:	19-Series-10
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.35
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	
Steam Output (lb/hr):	
Fuel Firing Method:	Wall-fired or cross-fired
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?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	Serial # F92-237

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E102 (Cleaning Machine (Open Top: Heated))
Print Date: 7/17/2023

Make:	SC-550H
Manufacturer:	SONICOR
Model:	78383-0590
Does the cleaning machine have a visable high level liquid mark?	○ Yes ● No
Is the cleaning machine equipped with spray nozzles / flushing wand?	○ Yes ● No
Maximum Nozzle Pressure / Flushing Wand Pressure (psi):	
Does the flushing wand produce any VOC droplets or mist?	○ Yes ● No
Is the cleaning machine equipped with an agitator that causes splashing?	○ Yes ● No
Is the cleaning machine equipped with drain rack?	○ Yes ● No
When not in active use, is the cleaning machine covered by a lid which protects VOC vapors from drafts and diffusion?	○ Yes ● No
Type of Working Mode Cover:	
Is this cleaning machine equipped with a remote reservoir?	○ Yes ● No
Freeboard Height (ft.):	
Freeboard Ratio:	
Length of Top Opening (ft.):	1.24
Width of Top Opening (ft.)	
Area of Top Opening (ft.²):	
Is the cleaning machine opening exposed to drafts greater than 132 feet per minute?	○ Yes ● No
Are there any fans which blow across the cleaning machine opening?	○ Yes ● No
Is the cleaning machine equipped with a thermostat to maintain VOC temperature below the boiling point?	○ 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:	

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E124 (Fuel Combustion Equipment (Other))
Print Date: 7/17/2023

Make:	
Manufacturer:	
Model:	
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	1.00
Type of Heat Exchange:	Indirect
Equipment Type Description:	Hot water generator

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.

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E125 (Boiler)
Print Date: 7/17/2023

Make:	High-Pressure 50,000 pph Steam Boiler
Manufacturer:	Babcock and Wilcox
Model:	FM 103-79
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	61.37
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	50,000.00
Fuel Firing Method:	Cyclone
Description (if other):	
Draft Type:	Forced
Heat Exchange Type:	Indirect

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

Low NOx Burner:	☑	Type:	Coen Model 660 DAF-20-Fyr-Compak LoxNO
Staged Air Combustion:	☑		
Flue Gas Recirculation (FGR):	☑	Amount (%):	12.00

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:

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E128 (Boiler)
Print Date: 7/17/2023

Make:	Universal Boiler Works
Manufacturer:	
Model:	36W4-PVO
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.51
Boiler Type:	Water Tube
Utility Type:	Non-Utility
Output Type:	Water 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:	
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:

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E130 (Boiler)
Print Date: 7/17/2023

Make:	Universal Boiler Works
Manufacturer:	
Model:	36S4-PVO
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.51
Boiler Type:	Water Tube
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	1,235.00
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?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	6.3 MMft^3/Yr fuel Usage

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E132 (Boiler)
Print Date: 7/17/2023

Make:	Universal Boiler Works
Manufacturer:	
Model:	131S4-PFO
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	5.50
Boiler Type:	Water Tube
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	4,535.00
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?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E135 (Boiler)
Print Date: 7/17/2023

Make:	Universal Boiler Works
Manufacturer:	
Model:	120SI-PVO
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	5.00
Boiler Type:	Water Tube
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	4,122.00
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?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E136 (Boiler)
Print Date: 7/17/2023

Make:	Universal Boiler Works
Manufacturer:	
Model:	120SI-PVO
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	5.00
Boiler Type:	Water Tube
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	4,122.00
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?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E137 (Boiler)
Print Date: 7/17/2023

Make:	Universal Boiler Works
Manufacturer:	
Model:	120SI-PVO
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	5.00
Boiler Type:	Water Tube
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	4,122.00
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?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E138 (Boiler)
Print Date: 7/17/2023

Make:	Universal Boiler Works
Manufacturer:	
Model:	120SI-PVO
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	5.00
Boiler Type:	Water Tube
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	4,122.00
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?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E139 (Boiler)
Print Date: 7/17/2023

Make:	Universal Boiler Works
Manufacturer:	
Model:	120SI-PVO
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	5.04
Boiler Type:	Water Tube
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	4,122.00
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?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E140 (Boiler)
Print Date: 7/17/2023

Make:	Universal Boiler Works
Manufacturer:	
Model:	120SI-PVO
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	5.04
Boiler Type:	Water Tube
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	4,122.00
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?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E141 (Boiler)
Print Date: 7/17/2023

Make:	Universal Boiler Works
Manufacturer:	
Model:	96SI-PVO
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	4.18
Boiler Type:	Water Tube
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	3,298.00
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?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E142 (Boiler)
Print Date: 7/17/2023

Make:	Universal Boiler Works
Manufacturer:	
Model:	96SI-PVO
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	4.18
Boiler Type:	Water Tube
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	3,298.00
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?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E150 (Boiler)
Print Date: 7/17/2023

Make:	
Manufacturer:	Smith
Model:	Series 28A-10, Serial N97-727
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	3.17
Boiler Type:	Water Tube
Utility Type:	Non-Utility
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?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No

Comments:

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E151 (Emergency Generator)
Print Date: 7/17/2023

Make:	
Manufacturer:	Kato Engineering Synchronous AC Generator
Model:	Serial # 11757, Model A263270000, type 26327
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	2.07
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:	

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E301 (Boiler)
Print Date: 7/17/2023

Make:	
Manufacturer:	Unilux
Model:	ZF600W
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	5.50
Boiler Type:	Water Tube
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:

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E303 (Boiler)
Print Date: 7/17/2023

Make:

Manufacturer:

Model:

Maximum Rated Gross Heat Input (MMBtu/hr - HHV): 2.20

Boiler Type:

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:

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E306 (Surface Coating Equipment (Non-Fabric Material))

Make:	
Manufacturer:	
Model:	
Method of Application:	Spray Type:
Description:	
Have you attached a diagram showing the location and/or the configuration of this equipment?	○ Yes ● No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	○ Yes ● No
Comments:	Paintspray Booth #3

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E308 (Other Equipment)
Print Date: 7/17/2023

Make:	
Manufacturer:	
Model:	
Equipment Type:	Table Saw #1
Capacity:	
Units:	
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:	Table Saw #1

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E309 (Other Equipment)
Print Date: 7/17/2023

Make:

Manufacturer:

Model:

Equipment Type: Disk Grinder

Capacity:

Units:

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:

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E310 (Other Equipment)
Print Date: 7/17/2023

Make:	
Manufacturer:	Black & Decker
Model:	
Equipment Type:	Radial Arm Saw
Capacity:	
Units:	
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:

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E312 (Other Equipment)
Print Date: 7/17/2023

Make:	
Manufacturer:	Monarch
Model:	
Equipment Type:	Jointer
Capacity:	
Units:	
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:

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E313 (Other Equipment)
Print Date: 7/17/2023

Make:	
Manufacturer:	Grizzly
Model:	
Equipment Type:	Shaper
Capacity:	
Units:	
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:

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E314 (Other Equipment)
Print Date: 7/17/2023

Make:	
Manufacturer:	Delta
Model:	RC-51
Equipment Type:	Planner
Capacity:	
Units:	
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:

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E320 (Surface Coating Equipment (Non-Fabric Material))

Make:	Safety Kleen
Manufacturer:	Safety Kleen
Model:	Model 81
Method of Application:	Other — Spray Type:
Description:	Dip
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:	45" x 21", 80-gallon Standard Fill

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E328 (Emergency Generator)
Print Date: 7/17/2023

Make:	Cummins
Manufacturer:	Cummins
Model:	DSGAA-1902046
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	1.22
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: QSB7-G3-NR3

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E334 (Stationary Reciprocating Engine)
Print Date: 7/17/2023

Make:	
Manufacturer:	Clarke (or Equivalent)
Model:	VMFP-L6HR (or Equivalent)
Maximum Rated Gross Heat Input (MMBtu/hr):	1.11
Class:	Lean Burn
Description:	
Duty:	
Description:	
Minimum Load Range (%):	
Maximum Load Range (%):	
Stroke:	4-stroke
Power Output (BHP):	150
Electric Output(KW):	
Compression Ratio:	
Ignition Type:	Compression
Description:	
Engine Speed (RPM):	2800
Engine Exhaust Temperature (°F):	975
Air to Fuel Ratio at Peak Load:	
Ratio Basis:	
Lambda Factor (scfm/scfm):	
Brake Specific Fuel Consumption at Peak Load (Btu/BHP-hr):	
Output Type:	Pump/Compressor
Heat to Power Ratio:	
Is the Engine Using a Turbocharger?	● Yes ○ No
Is the Engine Using an Aftercooler?	● Yes ○ No

Is the Engine Using (check all that apply):

A Prestratified Charge (PSC)	☐	A NOx Converter	☐
Air to Fuel Adjustment (AF)	☐	Ignition Timing Retard	☐
Low Emission Combustion	☐	Non-Selective Catalytic Retard (NSCR)	☐
Other	☐		

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.

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E335 (Stationary Reciprocating Engine)
Print Date: 7/17/2023

Make:	
Manufacturer:	Clarke (or Equivalent)
Model:	VMFP-L6HR (or Equivalent)
Maximum Rated Gross Heat Input (MMBtu/hr):	1.11
Class:	Lean Burn
Description:	
Duty:	
Description:	
Minimum Load Range (%):	
Maximum Load Range (%):	
Stroke:	4-stroke
Power Output (BHP):	150
Electric Output(KW):	
Compression Ratio:	
Ignition Type:	Compression
Description:	
Engine Speed (RPM):	2800
Engine Exhaust Temperature (°F):	975
Air to Fuel Ratio at Peak Load:	
Ratio Basis:	
Lambda Factor (scfm/scfm):	
Brake Specific Fuel Consumption at Peak Load (Btu/BHP-hr):	
Output Type:	Pump/Compressor
Heat to Power Ratio:	
Is the Engine Using a Turbocharger?	● Yes ○ No
Is the Engine Using an Aftercooler?	● Yes ○ No

Is the Engine Using (check all that apply):

A Prestratified Charge (PSC)	☐	A NOx Converter	☐
Air to Fuel Adjustment (AF)	☐	Ignition Timing Retard	☐
Low Emission Combustion	☐	Non-Selective Catalytic Retard (NSCR)	☐
Other	☐		

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.

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E336 (Stationary Reciprocating Engine)
Print Date: 7/17/2023

Make:	
Manufacturer:	Clarke
Model:	JU6HUF60
Maximum Rated Gross Heat Input (MMBtu/hr):	1.41
Class:	Lean Burn
Description:	
Duty:	
Description:	
Minimum Load Range (%):	
Maximum Load Range (%):	
Stroke:	4-stroke
Power Output (BHP):	240
Electric Output(KW):	
Compression Ratio:	
Ignition Type:	Compression
Description:	
Engine Speed (RPM):	2100
Engine Exhaust Temperature (°F):	910
Air to Fuel Ratio at Peak Load:	
Ratio Basis:	
Lambda Factor (scfm/scfm):	
Brake Specific Fuel Consumption at Peak Load (Btu/BHP-hr):	
Output Type:	Pump/Compressor
Heat to Power Ratio:	
Is the Engine Using a Turbocharger?	● Yes ○ No
Is the Engine Using an Aftercooler?	● Yes ○ No

Is the Engine Using (check all that apply):

A Prestratified Charge (PSC)	☐	A NOx Converter	☐
Air to Fuel Adjustment (AF)	☐	Ignition Timing Retard	☐
Low Emission Combustion	☐	Non-Selective Catalytic Retard (NSCR)	☐
Other	☐		

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.

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E338 (Stationary Reciprocating Engine)
Print Date: 7/17/2023

Make:	
Manufacturer:	Clarke
Model:	DDEPL68T7045
Maximum Rated Gross Heat Input (MMBtu/hr):	1.92
Class:	Lean Burn
Description:	
Duty:	
Description:	
Minimum Load Range (%):	
Maximum Load Range (%):	
Stroke:	4-stroke
Power Output (BHP):	265
Electric Output(KW):	
Compression Ratio:	17
Ignition Type:	Compression
Description:	
Engine Speed (RPM):	1760
Engine Exhaust Temperature (°F):	680
Air to Fuel Ratio at Peak Load:	
Ratio Basis:	
Lambda Factor (scfm/scfm):	
Brake Specific Fuel Consumption at Peak Load (Btu/BHP-hr):	
Output Type:	Pump/Compressor
Heat to Power Ratio:	
Is the Engine Using a Turbocharger?	● Yes ○ No
Is the Engine Using an Aftercooler?	○ Yes ● No

Is the Engine Using (check all that apply):

A Prestratified Charge (PSC)	☐	A NOx Converter	☐
Air to Fuel Adjustment (AF)	☐	Ignition Timing Retard	☐
Low Emission Combustion	☐	Non-Selective Catalytic Retard (NSCR)	☐
Other	☐		

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.

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E345 (Stationary Reciprocating Engine)
Print Date: 7/17/2023

Make:	Clarke Fire Pump Drivers
Manufacturer:	John Deere
Model:	JU6H-UFM0
Maximum Rated Gross Heat Input (MMBtu/hr):	1.67
Class:	Lean Burn
Description:	
Duty:	
Description:	
Minimum Load Range (%):	
Maximum Load Range (%):	
Stroke:	4-stroke
Power Output (BHP):	207
Electric Output(KW):	154
Compression Ratio:	17
Ignition Type:	Compression
Description:	
Engine Speed (RPM):	2100
Engine Exhaust Temperature (°F):	1030
Air to Fuel Ratio at Peak Load:	
Ratio Basis:	
Lambda Factor (scfm/scfm):	
Brake Specific Fuel Consumption at Peak Load (Btu/BHP-hr):	
Output Type:	Pump/Compressor
Heat to Power Ratio:	
Is the Engine Using a Turbocharger?	● Yes ○ No
Is the Engine Using an Aftercooler?	○ Yes ● No

Is the Engine Using (check all that apply):

A Prestratified Charge (PSC)	☐	A NOx Converter	☐
Air to Fuel Adjustment (AF)	☐	Ignition Timing Retard	☐
Low Emission Combustion	☐	Non-Selective Catalytic Retard (NSCR)	☐
Other	☐		

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.

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E347 (Boiler)
Print Date: 7/17/2023

Make:	
Manufacturer:	Burnham
Model:	Powerflame LNIC4-G-25
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	4.18
Boiler Type:	Package
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	3,298.00
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	Direct

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:

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E348 (Stationary Reciprocating Engine)
Print Date: 7/17/2023

Make:	
Manufacturer:	Clarke
Model:	JU6H-UF68
Maximum Rated Gross Heat Input (MMBtu/hr):	1.41
Class:	Lean Burn
Description:	
Duty:	
Description:	
Minimum Load Range (%):	
Maximum Load Range (%):	
Stroke:	4-stroke
Power Output (BHP):	200
Electric Output(KW):	
Compression Ratio:	
Ignition Type:	Compression
Description:	
Engine Speed (RPM):	
Engine Exhaust Temperature (°F):	988
Air to Fuel Ratio at Peak Load:	
Ratio Basis:	
Lambda Factor (scfm/scfm):	
Brake Specific Fuel Consumption at Peak Load (Btu/BHP-hr):	
Output Type:	Pump/Compressor
Heat to Power Ratio:	
Is the Engine Using a Turbocharger?	○ Yes ● No
Is the Engine Using an Aftercooler?	○ Yes ● No

Is the Engine Using (check all that apply):

A Prestratified Charge (PSC)	☐	A NOx Converter	☐
Air to Fuel Adjustment (AF)	☐	Ignition Timing Retard	☐
Low Emission Combustion	☐	Non-Selective Catalytic Retard (NSCR)	☐
Other	☐		

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.

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E349 (Storage Vessel)
Print Date: 7/17/2023

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:	Above Ground
Is the Shell of the Equipment Exposed to Sunlight?	Yes
Shell Color:	White
Description (if other):	
Shell Condition:	
Paint Condition:	Good
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:	Rectangular
Shell Height (From Ground to Roof Bottom) (ft):	9.00
Length (ft):	8.00
Width (ft):	29.00
Diameter (ft):	
Other Dimension	
Description:	
Value:	
Units:	
Fill Method:	Pipe
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):	
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	

Does the storage vessel have a Conservation Vent?	No
Have you attached a diagram showing the location and/or the configuration of this equipment?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E350 (Cleaning Machine (Open Top: Cold))
Print Date: 7/17/2023

Make:	Safety Kleen
Manufacturer:	Safety Kleen
Model:	Model 81
Tank Capacity (gal):	80
Does the cleaning machine have a visable high level liquid mark?	● Yes ○ No
Is the cleaning machine equipped with spray nozzles / flushing wand?	● Yes ○ No
Maximum Nozzle Pressure / Flushing Wand Pressure (psi):	
Does the flushing wand produce any VOC droplets or mist?	○ Yes ● No
Is the cleaning machine equipped with an agitator that causes splashing?	○ Yes ● No
Is the cleaning machine equipped with drain rack?	● Yes ○ No
When not in active use, is the cleaning machine covered by a lid which protects VOC vapors from drafts and diffusion?	● Yes ○ No
Type of Working Mode Cover:	air tight cover
Is this cleaning machine equipped with a remote reservoir?	○ Yes ● No
Freeboard Height (ft.):	2.00
Freeboard Ratio:	0.75
Length of Top Opening (ft.):	3.75
Width of Top Opening (ft.)	1.75
Area of Top Opening (ft.²):	6.56
Is the cleaning machine opening exposed to drafts greater than 132 feet per minute?	○ Yes ● No
Are there any fans which blow across the cleaning machine opening?	○ 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:	80-gallon Standard Fill

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E351 (Boiler)
Print Date: 7/17/2023

Make:	Bryan AB Series
Manufacturer:	Bryan
Model:	AB250-W
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	3.25
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:	Riello RS68/M LN
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:

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E352 (Boiler)
Print Date: 7/17/2023

Make:	Bryan AB Series
Manufacturer:	Bryan
Model:	AB250-W
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	3.25
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: Riello RS68/M LN
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:

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E353 (Emergency Generator)
Print Date: 7/17/2023

Make:	
Manufacturer:	Cummins
Model:	GTA28 GGFGA
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	6.01
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:	450 kW Natural Gas Emergency Generator

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E354 (Cleaning Machine (Open Top: Cold))
Print Date: 7/17/2023

Make:	
Manufacturer:	
Model:	
Tank Capacity (gal):	30
Does the cleaning machine have a visable high level liquid mark?	● Yes ○ No
Is the cleaning machine equipped with spray nozzles / flushing wand?	● Yes ○ No
Maximum Nozzle Pressure / Flushing Wand Pressure (psi):	
Does the flushing wand produce any VOC droplets or mist?	○ Yes ● No
Is the cleaning machine equipped with an agitator that causes splashing?	○ Yes ● No
Is the cleaning machine equipped with drain rack?	○ Yes ● No
When not in active use, is the cleaning machine covered by a lid which protects VOC vapors from drafts and diffusion?	● Yes ○ No
Type of Working Mode Cover:	air tight cover
Is this cleaning machine equipped with a remote reservoir?	○ Yes ● No
Freeboard Height (ft.):	
Freeboard Ratio:	
Length of Top Opening (ft.):	3.60
Width of Top Opening (ft.)	1.90
Area of Top Opening (ft.²):	6.90
Is the cleaning machine opening exposed to drafts greater than 132 feet per minute?	○ Yes ● No
Are there any fans which blow across the cleaning machine opening?	○ 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:	Using Stoddard Solvent

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E355 (Boiler)
Print Date: 7/17/2023

Make:	
Manufacturer:	
Model:	
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.00
Boiler Type:	Fire Tube
Utility Type:	Utility
Output Type:	Both Steam and Electricity
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:

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E356 (Cleaning Machine (Open Top: Cold))
Print Date: 7/17/2023

Make:	Clean-O-Matic
Manufacturer:	Graymills
Model:	500-A
Tank Capacity (gal):	42
Does the cleaning machine have a visable high level liquid mark?	● Yes ○ No
Is the cleaning machine equipped with spray nozzles / flushing wand?	● Yes ○ No
Maximum Nozzle Pressure / Flushing Wand Pressure (psi):	
Does the flushing wand produce any VOC droplets or mist?	○ Yes ● No
Is the cleaning machine equipped with an agitator that causes splashing?	○ Yes ● No
Is the cleaning machine equipped with drain rack?	○ Yes ● No
When not in active use, is the cleaning machine covered by a lid which protects VOC vapors from drafts and diffusion?	● Yes ○ No
Type of Working Mode Cover:	
Is this cleaning machine equipped with a remote reservoir?	○ Yes ● No
Freeboard Height (ft.):	
Freeboard Ratio:	
Length of Top Opening (ft.):	3.60
Width of Top Opening (ft.)	1.98
Area of Top Opening (ft.²):	7.26
Is the cleaning machine opening exposed to drafts greater than 132 feet per minute?	○ Yes ● No
Are there any fans which blow across the cleaning machine opening?	○ 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:	

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E358 (Emergency Generator)
Print Date: 7/17/2023

Make:	Cummins
Manufacturer:	Cummins
Model:	DSGAE-1217531
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	2.22
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: QSB7-G5-NR3; 200 kW Diesel Emergency Generator at Test Track

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E359 (Emergency Generator)
Print Date: 7/17/2023

Make:	Cummins Power Generation
Manufacturer:	Cummins
Model:	DSGAA-1320992
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	1.23
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: QSB7-G5-NR3

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E360 (Boiler)
Print Date: 7/17/2023

Make:	Well McLain
Manufacturer:	
Model:	588
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.36
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:	

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:	8760 operating hours per year

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E361 (Boiler)
Print Date: 7/17/2023

Make:	Well McLain
Manufacturer:	
Model:	588
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.36
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:	

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:	8760 operating hours per year

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E364 (Fuel Combustion Equipment (Other))
Print Date: 7/17/2023

Make:	VENMAR CES
Manufacturer:	
Model:	DF1400HE-15
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	1.25
Type of Heat Exchange:	Indirect
Equipment Type Description:	Duct Furnace

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.

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E365 (Cleaning Machine (Open Top: Cold))
Print Date: 7/17/2023

Make:	
Manufacturer:	Parts Washer
Model:	
Tank Capacity (gal):	
Does the cleaning machine have a visable high level liquid mark?	● Yes ○ No
Is the cleaning machine equipped with spray nozzles / flushing wand?	● Yes ○ No
Maximum Nozzle Pressure / Flushing Wand Pressure (psi):	
Does the flushing wand produce any VOC droplets or mist?	○ Yes ● No
Is the cleaning machine equipped with an agitator that causes splashing?	● Yes ○ No
Is the cleaning machine equipped with drain rack?	● Yes ○ No
When not in active use, is the cleaning machine covered by a lid which protects VOC vapors from drafts and diffusion?	● Yes ○ No
Type of Working Mode Cover:	
Is this cleaning machine equipped with a remote reservoir?	● Yes ○ No
Freeboard Height (ft.):	
Freeboard Ratio:	
Length of Top Opening (ft.):	3.33
Width of Top Opening (ft.)	2.33
Area of Top Opening (ft.²):	7.78
Is the cleaning machine opening exposed to drafts greater than 132 feet per minute?	○ Yes ● No
Are there any fans which blow across the cleaning machine opening?	○ 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:	42 Gallons Capacity

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E367 (Emergency Generator)
Print Date: 7/17/2023

Make:	
Manufacturer:	Generac
Model:	SGO230KG2012
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	2.32
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:	HP>=130 KW>=100

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E368 (Boiler)
Print Date: 7/17/2023

Make:	Weil McLain
Manufacturer:	Weil McLain
Model:	Series #3 Model 1994
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	6.50
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:
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:

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E370 (Surface Coating Equipment (Non-Fabric Material))

Make:	COL-MET Spray Booths
Manufacturer:	COL-MET Spray Booth
Model:	
Method of Application:	Spray — Spray Type:
Description:	

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

- (●) Yes
- ( ) No

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

- ( ) Yes
- (●) No

Comments:

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E371 (Emergency Generator)
Print Date: 7/17/2023

Make:	Cummins
Manufacturer:	Cummins (2015)
Model:	100DSGAA (2015) Model Year
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	1.24
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 162 HP Displacement per cylinder: 6.7 L

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E372 (Emergency Generator)
Print Date: 7/17/2023

Make:	Cummins
Manufacturer:	Cummins (2015)
Model:	150DSGAC (2015) Model Year
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:	150 kW 324 HP Displacement per cylinder: 1.2 L

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E373 (Cleaning Machine (Open Top: Cold))
Print Date: 7/17/2023

Make:	Build-All Corporation
Manufacturer:	BAC
Model:	Air Lift Tank AL8
Tank Capacity (gal):	80
Does the cleaning machine have a visable high level liquid mark?	● Yes ○ No
Is the cleaning machine equipped with spray nozzles / flushing wand?	● Yes ○ No
Maximum Nozzle Pressure / Flushing Wand Pressure (psi):	3.00
Does the flushing wand produce any VOC droplets or mist?	○ Yes ● No
Is the cleaning machine equipped with an agitator that causes splashing?	○ Yes ● No
Is the cleaning machine equipped with drain rack?	● Yes ○ No
When not in active use, is the cleaning machine covered by a lid which protects VOC vapors from drafts and diffusion?	● Yes ○ No
Type of Working Mode Cover:	Heavy Duty Platform with Grate
Is this cleaning machine equipped with a remote reservoir?	● Yes ○ No
Freeboard Height (ft.):	1.08
Freeboard Ratio:	1.08
Length of Top Opening (ft.):	3.71
Width of Top Opening (ft.)	1.71
Area of Top Opening (ft.²):	6.34
Is the cleaning machine opening exposed to drafts greater than 132 feet per minute?	○ Yes ● No
Are there any fans which blow across the cleaning machine opening?	○ 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:	

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E376 (Cleaning Machine (Open Top: Cold))
Print Date: 7/17/2023

Make:	Build-All Corporation
Manufacturer:	BAC
Model:	Air Lift Tank AL8
Tank Capacity (gal):	80
Does the cleaning machine have a visable high level liquid mark?	● Yes ○ No
Is the cleaning machine equipped with spray nozzles / flushing wand?	● Yes ○ No
Maximum Nozzle Pressure / Flushing Wand Pressure (psi):	3.00
Does the flushing wand produce any VOC droplets or mist?	○ Yes ● No
Is the cleaning machine equipped with an agitator that causes splashing?	○ Yes ● No
Is the cleaning machine equipped with drain rack?	● Yes ○ No
When not in active use, is the cleaning machine covered by a lid which protects VOC vapors from drafts and diffusion?	● Yes ○ No
Type of Working Mode Cover:	Heavy Duty Platform with Grate
Is this cleaning machine equipped with a remote reservoir?	● Yes ○ No
Freeboard Height (ft.):	1.08
Freeboard Ratio:	1.08
Length of Top Opening (ft.):	3.71
Width of Top Opening (ft.)	1.71
Area of Top Opening (ft.²):	6.34
Is the cleaning machine opening exposed to drafts greater than 132 feet per minute?	○ Yes ● No
Are there any fans which blow across the cleaning machine opening?	○ 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:	

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E377 (Emergency Generator)
Print Date: 7/17/2023

Make:	Cummins
Manufacturer:	Cummins
Model:	DSGAC-1666875
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	1.54
Will the equipment be used in excess of 500 hours per year?	○ Yes ● No
Have you attached a diagram showing the location and/or the configuration of this equipment?	○ Yes ● No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	○ Yes ● No
Comments:	150 kW; 314 hp; Displacement per cylinder: 1.12L; Engine: QSB7-G5-NR3

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E378 (Fuel Combustion Equipment (Other))
Print Date: 7/17/2023

Make:	Trane Company
Manufacturer:	Trane Company
Model:	25ENDA1AHL12BB0B8
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	1.93
Type of Heat Exchange:	Indirect
Equipment Type Description:	Furnace

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.

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E379 (Boiler)
Print Date: 7/17/2023

Make:	Weil McLain
Manufacturer:	Weil McLain
Model:	P-1178-W
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?	No

Comments:

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E380 (Emergency Generator)
Print Date: 7/17/2023

Make:	Cummins
Manufacturer:	Cummins (2017)
Model:	C22D2RE QSB7-G9 (2017) Model Year
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	2.10
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:	200 kW 314 HP Displacement per cylinder: 1.12 L

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E381 (Emergency Generator)
Print Date: 7/17/2023

Make:	Cummins
Manufacturer:	Cummins (2018)
Model:	QSL9-G7 (2018) Model Year
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	5.20
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:	346 kW 464 HP Displacement per cylinder: 1.47 L

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E382 (Process Heater)
Print Date: 7/17/2023

Make:	Weather-Rite
Manufacturer:	Weather-Rite
Model:	TOT-315-VTL
Equipment Type Description:	1.166 MMBtu/hr NG paint booth heater
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	1.17
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.

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E383 (Process Heater)
Print Date: 7/17/2023

Make:	Weather-Rite
Manufacturer:	Weather-Rite
Model:	TOT-218-VTL
Equipment Type Description:	1.749 MMBtu/hr natural gas paint booth heater #2 at bldg 149
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	1.75
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.

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E384 (Process Heater)
Print Date: 7/17/2023

Make:	Global Finishing Solutions
Manufacturer:	Global Finishing Solutions
Model:	RAM 25
Equipment Type Description:	1.866 MMBtu/hr NG paint booth heater
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	1.87
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.

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E385 (Other Equipment)
Print Date: 7/17/2023

Make:	Delta
Manufacturer:	
Model:	
Equipment Type:	Jointer - Carpentry Shop
Capacity:	
Units:	
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:

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E386 (Other Equipment)
Print Date: 7/17/2023

Make:	Jet
Manufacturer:	Jet
Model:	JOVS-10
Equipment Type:	Oscillating Spindle Sander - Carpentry Shop
Capacity:	
Units:	
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:

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E387 (Other Equipment)
Print Date: 7/17/2023

Make:	E387
Manufacturer:	
Model:	
Equipment Type:	Shaper #2 at bldg 191 Carpentry Shop
Capacity:	
Units:	
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:

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E388 (Other Equipment)
Print Date: 7/17/2023

Make:	Wolf Robotics Robot
Manufacturer:	Lincoln Electric
Model:	R500
Equipment Type:	Robotic Mig Welding System
Capacity:	40.00
Units:	lb/day
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:

AP-42 Factors for Welding (lb/1000 lb wire consumed)

PROCESS LIMITATIONS
The software based weld tables of the POWER WAVE® R500 limit the process capability within the output range and the safe limits of the machine. In general the processes will be limited to .030-.052 solid steel wire, .030 -.045 stainless wire, .035 -1/16 cored wire, and .035 - 1/16 Aluminum wire.

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E389 (Boiler)
Print Date: 7/17/2023

Make:	Babcock and Willox
Manufacturer:	B&W
Model:	FM 103-88
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	98.52
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:	

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:

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E390 (Emergency Generator)
Print Date: 7/17/2023

Make:	Cummins
Manufacturer:	Cummins (2021)
Model:	300DQDAC (2021) Model Year
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	3.16
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:	346 kW - 464 HP Displacement per cylinder: 1.48 L

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E391 (Cleaning Machine (Open Top: Cold))
Print Date: 7/17/2023

Make:	Safety Kleen
Manufacturer:	Safety Kleen
Model:	81
Tank Capacity (gal):	80
Does the cleaning machine have a visable high level liquid mark?	○ Yes ● No
Is the cleaning machine equipped with spray nozzles / flushing wand?	○ Yes ● No
Maximum Nozzle Pressure / Flushing Wand Pressure (psi):	
Does the flushing wand produce any VOC droplets or mist?	○ Yes ● No
Is the cleaning machine equipped with an agitator that causes splashing?	○ Yes ● No
Is the cleaning machine equipped with drain rack?	○ Yes ● No
When not in active use, is the cleaning machine covered by a lid which protects VOC vapors from drafts and diffusion?	○ Yes ● No
Type of Working Mode Cover:	
Is this cleaning machine equipped with a remote reservoir?	○ Yes ● No
Freeboard Height (ft.):	1.17
Freeboard Ratio:	
Length of Top Opening (ft.):	3.75
Width of Top Opening (ft.)	1.75
Area of Top Opening (ft.²):	6.56
Is the cleaning machine opening exposed to drafts greater than 132 feet per minute?	○ Yes ● No
Are there any fans which blow across the cleaning machine opening?	○ 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:	

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 E392 (Emergency Generator)
Print Date: 7/17/2023

Make:	Cummins
Manufacturer:	Cummins
Model:	300DQDAC
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	3.16
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:	

JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) (78897) Date: 7/17/2023

BOP230001

New Jersey Department of Environmental Protection
Control Device Inventory

CD NJID	Facility's Designation	Description	CD Type	Install Date	Grand-Fathered	Last Mod. (Since 1968)	CD Set ID
CD1	LC Bldg 148	Donaldson DFPR06-SPRK	Particulate Filter (Cartridge)				
CD12	NJ51	FILTERED BOOTH WITH OVERHEAD VENT	Particulate Filter (Other)				
CD13	NJ52	FILTERED BOOTH WITH OVERHEAD VENT	Particulate Filter (Other)				
CD31	NJ88	STAGE I VAPOR RECOVERY	Other				
CD36	B149, PB#3	FILTERED BOOTH WITH OVERHEAD VENT	Particulate Filter (Other)		No		
CD38	B149 Blaster	Tumble Grit Blaster Dust Collector	Particulate Filter (Cartridge)				
CD39	B149 Blaster	Tumble Grit Blaster Afterfilter	Particulate Filter (Cartridge)				
CD40	B191, Carpen	Dust Collector at B191 Carpentry Shop	Particulate Filter (Baghouse)				
CD41	ATI-500	ATI-500 pocket and Panel Filter - NESHAP Compliant paint booth filtration system	Other				

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 CD1 (Particulate Filter (Cartridge))
Print Date: 7/17/2023

Make:	Donaldson DFPR06-SPRK
Manufacturer:	
Model:	
Number of Cartridges:	
Size of Cartridges (ft^2):	
Total Cartridge Area (ft^2):	
Maximum Design Temperature Capability (°F):	
Maximum Design Air Flow Rate (acfm):	
Maximum Air Flow Rate to Filter Area Ratio:	
Minimum Operating Pressure Drop (in. H2O):	1.00
Maximum Operating Pressure Drop (in. H2O):	8.00
Maximum Inlet Temperature (°F):	
Maximum Operating Exhuast Gas Flow Rate (acfm):	
Method for Determining When Cartridge Replacement is Required:	Particular Filter (Cartridge)
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 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:	

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 CD12 (Particulate Filter (Other))
Print Date: 7/17/2023

Make:	CD12
Manufacturer:	
Model:	
Filter Description:	FILTERED BOOTH WITH OVERHEAD VENT
Total Filter Area (ft^2):	
Maximum Design Temperature Capability (°F):	
Maximum Design Air Flow Rate (acfm):	
Maximum Air Flow Rate to Filter Area Ratio:	
Minimum Operating Pressure Drop (in. H2O):	
Maximum Operating Pressure Drop (in. H2O):	
Maximum Inlet Temperature (°F):	
Maximum Operating Exhuast Gas Flow Rate (acfm):	
Method for Determining When Filter Replacement is Required:	
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 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:	

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 CD12 (Particulate Filter (Other))
Print Date: 7/17/2023

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 CD13 (Particulate Filter (Other))
Print Date: 7/17/2023

Make:	CD13
Manufacturer:	
Model:	
Filter Description:	FILTERED BOOTH WITH OVERHEAD VENT
Total Filter Area (ft^2):	
Maximum Design Temperature Capability (°F):	
Maximum Design Air Flow Rate (acfm):	
Maximum Air Flow Rate to Filter Area Ratio:	
Minimum Operating Pressure Drop (in. H2O):	
Maximum Operating Pressure Drop (in. H2O):	
Maximum Inlet Temperature (°F):	
Maximum Operating Exhuast Gas Flow Rate (acfm):	
Method for Determining When Filter Replacement is Required:	
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 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:	

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 CD13 (Particulate Filter (Other))
Print Date: 7/17/2023

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 CD31 (Other)
Print Date: 7/17/2023

Make:	CD31
Manufacturer:	
Model:	
Maximum Air Flow Rate to Control Device (acfm):	
Maximum Temperature of Vapor Stream to Control Device (°F):	
Minimum Temperature of Vapor Stream to Control Device (°F):	
Minimum Moisture Content of Vapor Stream to Control Device (%):	
Minimum Pressure Drop Across Control Device (in. H20):	
Maximum Pressure Drop Across Control Device (in. H20):	
Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources):	
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:	STAGE II VAPOR RECOVERY

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 CD36 (Particulate Filter (Other))
Print Date: 7/17/2023

Make:	CD36
Manufacturer:	
Model:	
Filter Description:	FILTERED BOOTH WITH OVERHEAD VENT
Total Filter Area (ft²):	
Maximum Design Temperature Capability (°F):	
Maximum Design Air Flow Rate (acfm):	
Maximum Air Flow Rate to Filter Area Ratio:	
Minimum Operating Pressure Drop (in. H2O):	
Maximum Operating Pressure Drop (in. H2O):	
Maximum Inlet Temperature (°F):	
Maximum Operating Exhuast Gas Flow Rate (acfm):	
Method for Determining When Filter Replacement is Required:	
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 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:	Design Efficiency (%) for PM-10 and TSP 99%

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 CD36 (Particulate Filter (Other))
Print Date: 7/17/2023

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 CD38 (Particulate Filter (Cartridge))
Print Date: 7/17/2023

Make:	CD38
Manufacturer:	Pangborn
Model:	PC03-6
Number of Cartridges:	6
Size of Cartridges (ft^2):	190.00
Total Cartridge Area (ft^2):	1,140.00
Maximum Design Temperature Capability (°F):	150.0
Maximum Design Air Flow Rate (acfm):	4,000.0
Maximum Air Flow Rate to Filter Area Ratio:	3.51
Minimum Operating Pressure Drop (in. H2O):	0.50
Maximum Operating Pressure Drop (in. H2O):	5.00
Maximum Inlet Temperature (°F):	150.0
Maximum Operating Exhuast Gas Flow Rate (acfm):	4,000.0
Method for Determining When Cartridge Replacement is Required:	Pressure Drop Reading from Photohelic Gauge - Air-to-Cloth Ratio <= 3.51 ACFM/sq.ft.
Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources):	1
Alternative Method to Demonstrate Control Apparatus is Operating Properly:	Visual Inspection: Tumble Grit Blaster Dust Collector
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:	CD38 - Efficiency 99%

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 CD39 (Particulate Filter (Cartridge))
Print Date: 7/17/2023

Make:	Torit Auto-Lok Safety Filter System
Manufacturer:	Donaldson Torit Company
Model:	P191203 (filter media)
Number of Cartridges:	2
Size of Cartridges (ft^2):	17.56
Total Cartridge Area (ft^2):	264.00
Maximum Design Temperature Capability (°F):	180.0
Maximum Design Air Flow Rate (acfm):	4,000.0
Maximum Air Flow Rate to Filter Area Ratio:	16.00
Minimum Operating Pressure Drop (in. H2O):	0.10
Maximum Operating Pressure Drop (in. H2O):	3.00
Maximum Inlet Temperature (°F):	180.0
Maximum Operating Exhuast Gas Flow Rate (acfm):	4,000.0
Method for Determining When Cartridge Replacement is Required:	Pressure Drop Reading from Photohelic Gauge - Air-to-Cloth Ratio: =16:01 Tumble Grit Blaster Afterfi
Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources):	1
Alternative Method to Demonstrate Control Apparatus is Operating Properly:	Visual Inspection
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:	Filter is used as safety backup since exaust is vented indoors CD38 - Efficiency 95%

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 CD40 (Particulate Filter (Baghouse))
Print Date: 7/17/2023

Make:	CD40
Manufacturer:	
Model:	
Number of Bags:	4
Size of Bags (ft^2):	
Total Bag Area (ft^2):	
Bag Fabric:	POLYESTER
Fabric Weight (oz/ft^2):	1.89
Fabric Weave:	NEEDLEFELT
Fabric Finish:	
Maximum Design Temperature Capability (°F):	
Maximum Design Air Flow Rate (acfm):	
Draft Type:	
Maximum Air Flow Rate to Cloth Area Ratio:	
Minimum Operating Pressure Drop (in. H2O):	4.00
Maximum Operating Pressure Drop (in. H2O):	
Method of Monitoring Pressure Drop:	
Maximum Inlet Temperature (°F):	
Minimum Inlet Temperature (°F):	
Dew Point of Gas Stream Maximum Inlet Temperature (°F):	
Maximum Operating Exhuast Gas Flow Rate (acfm):	
Maximum Inlet Gas Stream Moisture Content (%):	
Method for Determining When Bag Replacement is Required:	Dust Collector
Method for Determining When Cleaning is Required:	
Method of Bag Cleaning:	
Description:	
Is Bag Cleaning Conducted On-Line?	○ Yes ● No
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 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:

78897 JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) BOP230001 CD41 (Other)
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Make:	
Manufacturer:	CLARCOR - AIR FILTRATION PRODUCTS (OR EQU
Model:	ATI-500 pocket and Panel Filter
Maximum Air Flow Rate to Control Device (acfm):	9600
Maximum Temperature of Vapor Stream to Control Device (°F):	90
Minimum Temperature of Vapor Stream to Control Device (°F):	50
Minimum Moisture Content of Vapor Stream to Control Device (%):	
Minimum Pressure Drop Across Control Device (in. H20):	
Maximum Pressure Drop Across Control Device (in. H20):	
Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources):	
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:	NESHAP Compliant paint booth filtration system.

JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) (78897)
BOP230001

Date: 7/17/2023

New Jersey Department of Environmental Protection
Emission Points Inventory

PT NJID	Facility's Designation	Description	Config.	Equiv. Diam. (in.)	Height (ft.)	Dist. to Prop. Line (ft)	Exhaust Temp. (deg. F)			Exhaust Vol. (acfm)			Discharge Direction	PT Set ID
							Avg.	Min.	Max.	Avg.	Min.	Max.		
PT4	NJ89	B342 BOILER	Round	10	25	4,000	280.0	280.0	280.0	3,000.0	3,000.0	3,000.0	Up	
PT5	B191 Stack	Boiler E10 Stack	Round	10	12	1,050			290.0			807.0	Up	
PT9	NJ79	B33 BOILER	Round	6	8	800	450.0	450.0	450.0				Horizontal	
PT10	B33 HW	B33 Hot Water Heater	Round	6	6	800							Horizontal	
PT11	LC Bldg 148	Laser Cutter Stack												
PT16	NJ02	B362 BOILER	Round	24	38	660	405.0	405.0	405.0	6,654.0	6,654.0	6,654.0	Up	
PT17	NJ03	B362 BOILER	Round	24	38	660	405.0	405.0	405.0	6,654.0	6,654.0	6,654.0	Up	
PT22	NJ64	B596 BOILER	Round	12	29	2,000	300.0	300.0	300.0	240.0	240.0	240.0	Up	
PT23	NJ68	B362 BOILER	Round	48	45	860	350.0	350.0	350.0	21,450.0	9,900.0	33,000.0	Up	
PT25	NJ76	B150 BOILER	Round	14	37	1,000	300.0	300.0	300.0	1,555.0	1,555.0	1,555.0	Up	
PT36	NJ61	B124 LEAD POTS	Round	12	35	2,400	100.0	100.0	100.0	600.0	600.0	600.0	Up	
PT40	B191	B191 Carpentry Shop DC			14	2,100	75.0	50.0	100.0	5,500.0	4,000.0	5,500.0	Up	
PT45	NJ51	B149 PAINTSPRAY BOOTH	Round	30	50	4,000	65.0	50.0	90.0	6,000.0	6,000.0	6,000.0	Up	
PT46	NJ52	B149 PAINTSPRAY BOOTH	Round	30	50	4,000	65.0	50.0	90.0	6,000.0	6,000.0	6,000.0	Up	
PT51	S18(NJ88)	B424 TANK	Round	2	15	600	70.0	70.0	70.0	14.7	0.0	14.7	Up	
PT52	S17(NJ87)	B424 TANK	Round	2	15	600	70.0	70.0	70.0	14.7	0.0	0.0	Up	
PT58	NJ93	S19 TANK	Round	3	16	1,330	60.0	20.0	100.0	4.0	0.0	40.0	Up	
PT59	NJ92	S20 TANK	Round	3	16	1,330	60.0	20.0	100.0	4.0	0.0	40.0	Up	
PT64	NJ98	B608 BOILER	Round	10	20	1,000	350.0	350.0	350.0	26.0	26.0	26.0	Up	

JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) (78897)
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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.		
PT69	NJ97	HANGAR #1 DEGREASER	Round	12	13	2,200	100.0	100.0	100.0	5,028.0	5,028.0	5,028.0	Up	
PT80	B362, B3	Building 362 - Boiler #3	Round	36	40	660	330.0	292.0	350.0	13,701.0	5,081.0	17,580.0	Up	
PT83	NJ128	B5 BOILER	Round	12	26	1,600		60.0	375.0		421.0	675.0	Up	
PT85	NJ130	B88 BOILER	Round	12	28	1,150		60.0	375.0		421.0	675.0	Up	
PT86	B120	B120 BOILER	Round	16	18	650	350.0	300.0	400.0	750.0	700.0	800.0	Up	
PT87	NJ132	B123 BOILER	Round	16	31	1,950		60.0	375.0		1,499.0	2,407.0	Up	
PT90	NJ135	B148 BOILER	Round	16	21	2,300		60.0	375.0		1,499.0	2,407.0	Up	
PT91	NJ136	B148 BOILER	Round	16	21	2,300		60.0	375.0		1,499.0	2,407.0	Up	
PT92	NJ137	B148 BOILER	Round	16	53	2,300		60.0	375.0		1,499.0	2,407.0	Up	
PT93	NJ138	B148 BOILER	Round	16	53	2,300		60.0	375.0		1,499.0	2,407.0	Up	
PT94	NJ139	B149 BOILER	Round	16	21	2,600		60.0	375.0		1,499.0	2,407.0	Up	
PT95	NJ140	B149 BOILER	Round	16	21	2,600		60.0	375.0		1,499.0	2,407.0	Up	
PT96	NJ141	B149 BOILER	Round	16	21	2,600		60.0	375.0		902.0	1,449.0	Up	
PT97	NJ142	B149 BOILER	Round	16	21	2,600		60.0	375.0		902.0	1,449.0	Up	
PT104	B562	Building 562 - Boiler	Round										Up	
PT105	B282	B282 - Emergency Generator	Round	6	14	1,500							Up	
PT301	API Facility	API - Boiler	Round	16	26	2,000		60.0	375.0		1,499.0	2,407.0	Up	
PT303	B124	B124 - Boiler	Round	10	12	2,300		60.0	375.0		421.0	675.0	Up	
PT306	B149	B149 PAINTSPRAY BOOTH #3	Round	30	50	4,000	65.0	50.0	90.0	6,000.0	6,000.0	6,000.0	Up	

JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) (78897)
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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.		
PT313	B124-1	PMD HEAT TREATMENT @ B124	Rectangle										Up	
PT321	Mobile	100kW Mobile Emergency Generator (A040587554)	Round	3	8				963.0			941.0	Up	
PT327	EMALS FP1	150 HP EMALS Fire Pump #1	Round	6	6	590	975.0	875.0	1,070.0	780.0	700.0	855.0	Up	
PT328	EMALS FP2	150 HP EMALS Fire Pump #2	Round	6	6	590	975.0	875.0	1,070.0	780.0	700.0	855.0	Up	
PT329	Bldg 257 FP1	240 HP Fire Pump #1	Round	6	26	1,380	910.0	820.0	1,000.0	1,230.0	1,110.0	1,350.0	Horizontal	
PT330	Bldg 257 FP2	200 HP Fire Pump #2	Round	6	26	1,380	950.0	900.0	1,000.0	950.0	900.0	1,000.0	Horizontal	
PT331	Bldg 308 FP	265 HP Fire Pump	Round	8	12	2,670	680.0	610.0	750.0	1,230.0	1,110.0	1,350.0	Horizontal	
PT345	DFP@B356	207 hp (1.67 MMBtu/hr) Diesel Fire Pump @ B356	Round	5	18	670	1,030.0	930.0	1,130.0	1,189.0	1,070.0	1,310.0	Up	
PT349	E 85 Tank	10,000-gallon AST for E85	Rectangle				61.0	51.0	70.0				Up	
PT350	Parts Washer	Solvent Based Parts Washer	Rectangle											
PT351	NG Boiler	3.258 - MMBtu/hr boiler stack	Round	14	51		350.0			756.0			Up	
PT352	NG Boiler	3.258 - MMBtu/hr boiler stack	Round	18	60		350.0			947.0			Up	
PT353	B26 EmGen	450 kW Emergency Generator	Round				1,350.0	1,350.0	1,350.0	4,778.0	4,778.0	4,778.0	Up	
PT354	Parts Washer	Assembly Area Solvent Based Parts Washer	Rectangle		6									
PT355	NG-Blr 680	1.0 MMBtu/hr Natural Gas Boiler at the Water Tower	Round	12	10								Up	
PT356	Clean-Machin	Cleaning Machine (Open No C Top: Cold) - Hanger 2	Rectangle	44	6								Up	

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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.		
PT358	200KW@FH	One - 200 kW Diesel Emergency Generator at the Fire House	Round	8	6		1,103.0	1,103.0	1,103.0	1,846.0	1,846.0	1,846.0	Up	
PT359	Building 120	100kW diesel generator at B120	Round	12	55	300	864.0	694.0	949.0	1,231.0	683.0	1,428.0	Up	
PT360	Bldg 356	Common Stack for two NG boilers at Building 356	Round	14		1,000							Up	
PT364	B851	1.0 MMBtu/hr Natural Gas Boiler	Round	4	8	1,000							Up	
PT365	PW-B124	Parts Washer	Rectangle	28	4	1,000							Up	
PT367	NG-EG-@B851	2.32 MMBTU/HR NG - EG (ESC 27 @ B851)	Round	6	8	1,000			1,350.0			1,442.0	Horizontal	
PT368	EGB685	Emerg. Gen. E1 Stack	Round	6	7	1,000			807.0			1,105.0	Horizontal	
PT370	CERDEC FAC	Paint Booth at CERDEC Flight Activity Center	Rectangle	144	16	1,000	70.0	50.0	90.0				Horizontal	
PT371	Bld.307-Blr	6.495 MMBtu/hr NG Boiler in Bldg. 307	Round	20	8	1,000	125.0	70.0	200.0	2,795.0	2,020.0	2,945.0	Up	
PT372	EGB362	Emerg. Gen. E5 Stack	Round	4	7	1,000			867.0			1,240.0	Horizontal	
PT373	Bldg.148 PW1	Parts Washer NAVAIR	Rectangle	19	6	1,000							Up	
PT376	Bldg.148 PW4	Parts Washer NAVAIR	Rectangle	19	6	1,000							Up	
PT377	B687 E Gen	Emerg. Gen. E377 Stack	Round	6	7	1,000			836.0			1,162.0	Horizontal	
PT378	NGFur@B124	1.925 MMBtu/hr NG Furnace @ B124	Round	8	6	1,000	120.0	100.0	140.0	1,500.0	1,000.0	2,000.0	Up	
PT379	NGBlr@B481	1.527 MMBtu/hr NG Boiler @ B481	Round	8	6	1,000	120.0	100.0	140.0	1,500.0	1,000.0	2,000.0	Up	

JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) (78897)
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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.		
PT380	SB11	Emerg. Gen. E380 Stack	Round	8	7	1,000			836.0			1,162.0	Up	
PT381	DEG250@B706	Emerg. Gen. E381 Stack	Round	6	9	1,000			977.0			1,927.0	Up	
PT382	NGHtr1@B149	1.166 MMBtu/hr NG heater at bldg 149/Hangar 3	Round	30	50	4,000	65.0	50.0	90.0	6,000.0	6,000.0	6,000.0	Up	
PT383	NGHtr2@B149	1.749 MMBtu/hr NG heater at bldg 149/Hangar 3	Round	30	50	4,000	65.0	50.0	90.0	6,000.0	6,000.0	6,000.0	Up	
PT384	NGHtr3@B149	1.866 MMBtu/hr NG heater at bldg 149/Hangar 3	Round	30	50	4,000	65.0	50.0	90.0	6,000.0	6,000.0	6,000.0	Up	
PT388	Welder@B148	Robotic Welder at B148 (Hangar 2)	Rectangle	24	29	1,000	67.6	63.0	75.0	8,922.0	8,922.0	8,922.0	Horizontal	
PT389	99-NG@B362	98.52 MMBtu/hr natural gas-fired boiler, located at B362 Power Plant	Round	48	45	810	282.0	264.0	300.0	18,075.0	7,270.0	29,167.0	Up	
PT390	DEG300@B282	(300 KW) 3.16 MMBTU/hr Diesel EG. at bldg 282-GOP	Round	6	5	4,670	863.0	700.0	1,025.0	1,498.0	700.0	2,296.0	Horizontal	
PT391	PW#2 @B149	Safety Kleen Model 81 Parts Washer #2 @B149												
PT392	DEG300@B282	300 kW (3.16 MMBtu/hr) diesel emergency generator at bldg 282	Round	6	5	4,670	863.0	700.0	1,025.0	1,498.0	700.0	2,296.0	Horizontal	

JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) (78897)
BOP230001

Date: 7/17/2023

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

U 1 (25)-Boilers (25) Natural Gas 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.
OS1	NGBlr@ B342	1.26 MMBtu/hr Natural Gas-fired Boiler, located @B342	Normal - Steady State	E4		PT4	1-03-006-03	0.0	8,760.0					
OS2	NJ-79	1.53 MMBtu/hr Natural Gas-fired Boiler, located @B33	Normal - Steady State	E9		PT9	1-03-006-03	0.0	8,760.0					450.0
OS4	NJ-64	1.36 MMBtu/hr Natural Gas-fired Boiler, located @B596	Normal - Steady State	E22		PT22	1-03-006-03	0.0	8,760.0		240.0	240.0	200.0	250.0
OS5	B150 NJ-98	2.50 MM Btu/hr Natural Gas-fired Boiler, located @B150	Normal - Steady State	E25		PT25	1-03-006-03	0.0	8,760.0					
OS6	B608 NJ-98	1.35 MMBtu/hr Natural Gas-fired Boiler, located @B608	Normal - Steady State	E97		PT64	1-03-006-03	0.0	8,760.0					
OS7	CMO	1.00 MMBTU/hr NATURAL GAS FIRED WATER HEATER located @B33	Normal - Steady State	E124		PT10	1-03-006-03	0.0	8,760.0					
OS8	NGBlr@B5	1.51 MMBtu/hr Natural Gas-fired Boiler, located @B5	Normal - Steady State	E128		PT83	1-03-006-03	0.0	8,760.0					
OS9	B88	1.51 MMBtu/hr - Natural Gas-fired Boiler, located @B88	Normal - Steady State	E130		PT85	1-03-006-03	0.0	8,760.0					
OS10	B149	4.18 MMBtu/hr Natural Gas-fired Boiler, located @B149	Normal - Steady State	E141		PT96	1-03-006-03	0.0	8,760.0					
OS11	NJ142	4.18 MMBtu/hr Natural Gas-fired Boiler, located @B149	Normal - Steady State	E142		PT97	1-03-006-03	0.0	8,760.0					

JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) (78897)
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Date: 7/17/2023

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

U 1 (25)-Boilers (25) Natural Gas 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.
OS13	Building 562	3.17 MM Btu/hr Natural Gas-fired Boiler, located @B562	Normal - Steady State	E150		PT104	1-03-006-03	0.0	8,760.0					
OS15	Building 124	2.20 MM Btu/hr Natural Gas-fired Boiler, located @B124	Normal - Steady State	E303		PT303	1-03-006-03	0.0	8,760.0					
OS17	NJ347	4.18 MM Btu/hr Natural Gas-fired Boiler, located @B120	Normal - Steady State	E347		PT86	1-03-006-03	0.0	8,760.0					
OS18	NG Bler@HG1	3.25 - MMBtu/hr - Natural Gas-fired Boiler, located @B1	Normal - Steady State	E351		PT351	1-03-006-03	0.0	8,760.0					
OS19	NG Bler@HG1	3.25 - MMBtu/hr - Natural Gas-fired Boiler, located @B1	Normal - Steady State	E352		PT352	1-03-006-03	0.0	8,760.0					
OS20	NG-Blr@Bg680	1.00 MMBtu/hr Natural Gas Boiler at the Water Tower, located @B680	Normal - Steady State	E355		PT355	1-03-006-03	0.0	8,760.0					
OS21	1.3Br-Bld356	1.36 MMBTU/hr NG Boilers located @B356	Normal - Steady State	E360		PT360	1-03-006-03	0.0	8,760.0					
OS22	1.3Br-Bld356	1.36 MMBTU/hr NG Boilers located @B356	Normal - Steady State	E361		PT360	1-03-006-03	0.0	8,760.0					
OS25	1.25NGBlrB51	1.25 MMBtu/hr Natural Gas-fired Furnace, located @B851	Normal - Steady State	E364		PT364	1-03-006-03	0.0	8,760.0					
OS26	NGFurna@B124	1.925 MMBTU/hr NG Furnace @ B124	Normal - Steady State	E378		PT378	1-03-006-03	0.0	8,760.0		1,000.0	2,000.0	100.0	140.0
OS27	NGBlr@B481	1.527 MMBTU/hr NG Boiler @ B481	Normal - Steady State	E379		PT379	1-03-006-03	0.0	8,760.0		1,000.0	2,000.0	100.0	140.0
OS28	NGBlr@B191	One (1) Natural Gas Boiler GOP-0007-4 @ B191	Normal - Steady State	E10		PT5	1-03-006-03	0.0	8,760.0					

JOINT BASE MCGUIRE-DIX-LAKEHURST (LAKEHURST) (78897)
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New Jersey Department of Environmental Protection
Emission Unit/Batch Process Inventory

U 1 (25)-Boilers (25) Natural Gas 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.
OS29	NGHtr1@B149	1.166 MMBtu/hr natural gas heater #1 at bldg 149	Normal - Steady State	E382		PT382	1-05-002-06	0.0	8,760.0		6,000.0	6,000.0	50.0	90.0
OS30	NGHtr2@B149	1.749 MMBtu/hr natural gas heater #2 at bldg 149	Normal - Steady State	E383		PT383	1-05-002-06	0.0	8,760.0		6,000.0	6,000.0	50.0	90.0
OS31	NGHtr3@B149	1.866 MMBtu/hr natural gas heater #3 at bldg 149	Normal - Steady State	E384		PT384	1-05-002-06	0.0	8,760.0		6,000.0	6,000.0	50.0	90.0

U 2 (9)- Boilers Nine (9) Natural Gas Boilers/Heaters/Furnaces between 5 MMBtu/hr and 10 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	5.5-NG@B123	5.50 MMBtu/hr NG Boiler @ B123	Normal - Steady State	E132		PT87	1-03-006-03	0.0	8,760.0					
OS2	5.0-NG@B148	5.04 MMBTU/HR - NATURAL GAS FIRED BOILER, @B148	Normal - Steady State	E135		PT90	1-03-006-03	0.0	8,760.0					
OS3	5.0-NG@B148	5.04 MMBTU/HR - NATURAL GAS FIRED BOILER, @B148	Normal - Steady State	E136		PT91	1-03-006-03	0.0	8,760.0					
OS4	5.0-NG@B148	5.04 MMBTU/HR - NATURAL GAS FIRED BOILER, @B148	Normal - Steady State	E137		PT92	1-03-006-03	0.0	8,760.0					
OS5	5.0-NG@B148	5.04 MMBTU/HR - NATURAL GAS FIRED BOILER, @B148	Normal - Steady State	E138		PT93	1-03-006-03	0.0	8,760.0					

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U 2 (9)- Boilers Nine (9) Natural Gas Boilers/Heaters/Furnaces between 5 MMBtu/hr and 10 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.
OS6	5.04-NG@B149	5.04 MMBTU/HR - NATURAL GAS FIRED BOILER, @B149	Normal - Steady State	E139		PT94	1-03-006-03	0.0	8,760.0					
OS7	5.04-NG@B149	5.04 MMBTU/HR - NATURAL GAS FIRED BOILER, @B149	Normal - Steady State	E140		PT95	1-03-006-03	0.0	8,760.0					
OS8	5.5-NG@- API	5.50 MMBTU/HR - NATURAL GAS FIRED BOILER, in API Facility @B678	Normal - Steady State	E301		PT301	1-03-006-03	0.0	1,900.0		1,499.0	2,407.0	60.0	375.0
OS9	6.5-NG @B307	6.50 MMBtu/hr Natural Gas Boiler @B307	Normal - Steady State	E368		PT371	1-03-006-03	0.0	8,760.0		2,020.0	2,495.0	70.0	200.0

U 3 (4)-Boilers Four (4) Natural Gas Boilers greater than 10 MMBtu/hr and less than 100 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	20.9-NG@B362	20.9 MMBtu/hr Natural Gas-fired Boiler, located @B362	Normal - Steady State	E16		PT16	1-03-006-02	0.0	8,760.0					
OS2	20.9-NG@B362	20.9 MMBtu/hr Natural Gas-fired Boiler, located @B362	Normal - Steady State	E17		PT17	1-03-006-02	0.0	8,760.0					

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U 3 (4)-Boilers Four (4) Natural Gas Boilers greater than 10 MMBtu/hr and less than 100 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.
OS3	61.4-NG@B362	61.37 MMBtu/hr Natural Gas-fired Boiler, located @B362	Normal - Steady State	E125		PT80	1-03-006-02	0.0	8,760.0					
OS4	98.5-NG@B362	98.5 MMBtu/hr Natural Gas-fired Boiller, located @B362 - NJ-68	Normal - Steady State	E23		PT23	1-03-006-02	0.0	8,760.0					

U 4 DieselEG Ten (10) 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.
OS1	DEG175@B282A	175 kW (2.07 MMBTU/hr) Diesel EmGen @ B282A	Normal - Steady State	E151		PT105	2-03-001-01	0.0	100.0					
OS3	DEG100@B313	100 kW (1.2 MMBTU/hr) Diesel EmGen @ B313	Normal - Steady State	E328		PT321	2-03-001-01	0.0	100.0					
OS4	DEG200@TT	200 kW (1.99 MMBTU/hr) Diesel EmGen @ Test Track	Normal - Steady State	E358		PT358	2-03-001-01	0.0	100.0		683.0	1,428.0	694.0	949.0
OS5	DEG100@B120	100 kW (1.19 MMBTU/hr) Diesel EmGen @ B120	Normal - Steady State	E359		PT359	2-01-001-02	0.0	100.0		457.0	1,106.0	544.0	807.0
OS7	DEG100 @B685	100 KW (1.24 MMBTU/hr) Diesel EmGen @ B685	Normal - Steady State	E371		PT368	2-01-001-02	0.0	100.0					

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U 4 DieselEG Ten (10) 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.
OS8	DEG150@ B362	150 KW (1.64 MMBTU/hr) Diesel EmGen @ B362	Normal - Steady State	E372		PT372	2-01-001-02	0.0	100.0					
OS9	DEG150@B687	150 kW (1.54 MMBtu/hr) Diesel EmGen @ B687	Normal - Steady State	E377		PT377	2-01-001-02	0.0	100.0					
OS10	B621 SB11 EG	2.1 MMBTU/hr (HHV) (EG-003-2) Emerg. Gen. (200 kW) Diesel fuel, 100 hrs/yr	Normal - Steady State	E380		PT380	2-03-001-01	0.0	100.0					
OS11	DEG250@B706	(GOP-003) 5.2 MMBTU/hr (HHV) Emerg. Gen. (346 kW) Diesel fuel, 100 hrs/yr	Normal - Steady State	E381		PT381	2-03-001-01	0.0	100.0					
OS12	DEG300@B282	346 kW (3.16 MMBTU/hr emergency generator at B282	Normal - Steady State	E390		PT390	2-03-001-01	0.0	100.0		700.0	2,296.0	700.0	1,025.0

U 5 (2) NG EG Two (2) Natural Gas-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.
OS1	450 KW -@B26	450 KW - 6.01 MMBTU/hr - NG - Emergency Generator @B26	Normal - Steady State	E353		PT353	2-03-002-01	0.0	100.0		0.0	47,778.0	0.0	1,350.0

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U 5 (2) NG EG Two (2) Natural Gas-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	NG - @ B851	2.32 MMBTU/HR NG-EG @ B851	Normal - Steady State	E367		PT367	2-01-002-02	0.0	100.0		1,442.0	1,442.0	0.0	1,350.0

U 6 (6)FirePumps Six (6) Diesel-fired Fire Pumps

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	DFP @ B685	150 HP (1.05 MMBTU/hr) Diesel Fire Pump @ B685	Normal - Steady State	E334		PT327	2-03-001-01	0.0	100.0		700.0	855.0	875.0	1,070.0
OS2	DFP @ B685	150 HP (1.05 MMBTU/hr) Diesel Fire Pump @ B685	Normal - Steady State	E335		PT328	2-03-001-01	0.0	100.0		700.0	855.0	875.0	1,070.0
OS3	DFP @ B257	200 HP (1.41 MMBTU/hr) Diesel Fire Pump @ B257	Normal - Steady State	E336		PT329	2-03-001-01	0.0	100.0		1,100.0	1,350.0	820.0	1,000.0
OS4	DFP @ B308	265 HP (1.86 MMBTU/hr) Diesel Fire Pump @ B308	Normal - Steady State	E338		PT331	2-03-001-01	0.0	100.0		1,110.0	1,350.0	610.0	750.0
OS5	DFP @ B356	207 HP (1.67 MMBTU/hr) Diesel Fire Pump @ B356	Normal - Steady State	E345		PT345	2-03-001-01	0.0	100.0		1,070.0	1,310.0	930.0	1,130.0

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U 6 (6)FirePumps Six (6) Diesel-fired Fire Pumps

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	DFP @ B257	200 HP (1.41 MMBTU/hr) Diesel Fire Pump #2 @ B257	Normal - Steady State	E348		PT330	2-03-001-01	0.0	100.0		900.0	1,000.0	900.0	1,000.0

U 7 4-PaintBooth Four (4) Paint Booths (Surface Coating)

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	NJ-51	SPRAY PAINT BOOTH #1@ B-149	Normal - Steady State	E74	CD12 (P)	PT45	4-02-025-01	0.0	8,760.0		6,000.0	6,000.0	70.0	70.0
OS2	NJ - 52	SPRAY PAINT BOOTH #2 @ B-149	Normal - Steady State	E75	CD13 (P)	PT46	4-02-025-01	0.0	8,760.0		6,000.0	6,000.0	70.0	140.0
OS3	HANGAR	PAINT SPRAY PAINT BOOTH #3 HANGAR @ B-149	Normal - Steady State	E306	CD36 (P)	PT306	4-02-025-01	0.0	8,760.0					
OS5	FlightCenter	CERDEC - Flight Activity Center " Painting parts made of grade aluminum alloys for aircrafts" @B706	Normal - Steady State	E370	CD41 (P)	PT370	4-02-025-01	0.0	8,760.0				50.0	90.0

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U 8 Parts Washer Seven (7) Parts Washers (Solvent Cleaners)

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	PW @149	Safety Kleen Model 81 Parts Washer @ B149	Maintenance	E350		PT350		0.0	2,080.0					
OS2	PW@148	Assembly Area Parts Washer B148	Maintenance	E354		PT354		0.0	2,080.0					
OS3	PW2 @148	Parts Washer @ B148	Normal - Steady State	E356		PT356		0.0						
OS4	PW3 @124	Parts Washer @ B124	Normal - Steady State	E365		PT365	A24-40-000-000	0.0	2,080.0					
OS5	PW1 @148	Parts Washer @ 148	Normal - Steady State	E373		PT373	3-99-999-89	0.0	2,080.0					
OS8	PW4 @148	Parts Washer @ B148	Normal - Steady State	E376		PT376	3-99-999-89	0.0	2,080.0					
OS9	PW#2 @B149	Safety Kleen Model 81 Parts Washer #2 @B149	Maintenance	E391		PT391		0.0	2,080.0					

U 9 S16&S17@B424 Two (2) Gasoline transfer operations - Tank S16 & S17; 6000 gallons - Military Octane Gasoline (Mogas) Aboveground Tank @ B424

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	S16 @ B424	6,000 gal MOGAS STORAGE TANK @ B424	Normal - Steady State	E84	CD31 (P)	PT51	4-03-010-07	0.0	8,760.0		0.0	14.7	-10.0	110.0

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U 9 S16&S17@B424 Two (2) Gasoline transfer operations - Tank S16 & S17; 6000 gallons - Military Octane Gasoline (Mogas) Aboveground Tank @ B424

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.
OS2	S17 @ B424	6,000 gal MOGAS STORAGE TANK @ B424	Normal - Steady State	E85	CD31 (P)	PT52	4-03-010-07	0.0	8,760.0		0.0	14.7	-10.0	110.0

U 10 NJ93 & NJ92 Two (2) Storage Tanks - S19 and S20 Aviation Fuel @B658

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	T125S19@B658	25,000 gal - JP-8 STORAGE TANK @ B658	Normal - Steady State	E91		PT58	4-03-010-18	0.0	8,760.0		0.0	40.0	20.0	100.0
OS2	T128S20@B658	25,000 gal - JP-8 STORAGE TANK @ B658	Normal - Steady State	E92		PT59	4-03-010-18	0.0	8,760.0		0.0	40.0	20.0	100.0

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U 11 E85 Tank One (1) 10,000 Gallon AST for E85 Fuel @ B424

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	E85 TankB424	10,000-gallon E85 AST @ B424	Normal - Steady State	E349		PT349		0.0	8,760.0				51.0	70.0

U 12 NGFurnace@B1 Two (2) Lead Pots each with a 700 Mbtu/hr Natural Gas Fired Furnace @ B124

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	LEADPOT@B12	LEAD POT 1 @ B124	Normal - Steady State	E64		PT36	1-03-006-03	200.0	8,760.0		600.0	600.0	75.0	100.0
OS2	LEADPOT@B12	LEAD POT 2 @ B124	Normal - Steady State	E65		PT36	1-03-006-03	200.0	8,760.0		600.0	600.0	75.0	100.0

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U 13 S113 Hanger Degreaser, Socket Pouring Operations, Hanger #1 @ B1

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	S113 Hanger	VAPOR DEGREASER @ B1	Normal - Steady State	E102		PT69	4-01-002-51	8.0	16.0		5,028.0	5,028.0	80.0	100.0

U 15 Carpen-B191 Carpentry Shop @ B191

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	B191-1	Table Saw #1 @ B191	Normal - Steady State	E308	CD40 (P)	PT40	3-07-030-01	0.0	8,760.0		3,863.0	5,833.0	50.0	100.0
OS2	B191-2	Disk Sander @ B191	Normal - Steady State	E309	CD40 (P)	PT40	3-07-030-01	0.0	8,760.0		3,863.0	5,833.0	50.0	100.0
OS3	B191-3	Radial Arm Saw @ B191	Normal - Steady State	E310	CD40 (P)	PT40	3-07-030-01	0.0	8,760.0		3,863.0	5,833.0	50.0	100.0
OS5	B191-5	Jointer @ B191	Normal - Steady State	E312	CD40 (P)	PT40	3-07-030-01	0.0	8,760.0		3,863.0	5,833.0	50.0	100.0
OS6	B191-6	Shaper @ B191	Normal - Steady State	E313	CD40 (P)	PT40	3-07-030-01	0.0	8,760.0		3,863.0	5,833.0	50.0	100.0
OS7	B191-7	Planer @ B191	Normal - Steady State	E314	CD40 (P)	PT40	3-07-030-01	0.0	8,760.0		3,863.0	5,833.0	50.0	100.0
OS8	Jointer2@191	Jointer#2 at bldg 191	Normal - Steady State	E385	CD40 (P)	PT40	3-07-030-01	0.0	8,760.0		3,863.0	5,833.0	50.0	100.0
OS9	Spindle@B191	Oscillating Spindle Sander at bldg 191	Normal - Steady State	E386	CD40 (P)	PT40	3-07-030-01	0.0	8,760.0		3,863.0	5,833.0	50.0	100.0

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U 15 Carpen-B191 Carpentry Shop @ B191

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.
OS10	Shaper2@B191	Shaper #2 at bldg 191	Normal - Steady State	E387	CD40 (P)	PT40	3-07-030-01	0.0	8,760.0		3,863.0	5,833.0	50.0	100.0

U 16 PMD @ B124 Surface Coating (Rust Preventative) Dip Tank @ B124-1

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	PMD@ B124	Dip Tank - PMD Heat Treat @ B124	Normal - Steady State	E320		PT313	4-01-002-96							

U 18 WelderB148 Manufacturing and Materials Handling Equipment in B148 (Hangar 2)

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	Weld/E9018	Robotic Welder in B148 (Hangar 2) using E9018 wire.	Normal - Steady State	E388		PT388		0.0	322.0		8,922.0	8,922.0	63.0	75.0

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U 18 WelderB148 Manufacturing and Materials Handling Equipment in B148 (Hangar 2)

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS2	Weld/E70wire	Robotic Welder in B148 (Hangar 2) using E70 wire.	Normal - Steady State	E388		PT388		0.0	1,040.0		8,922.0	8,922.0	63.0	75.0
OS3	Weld/ERNiCRM	Robotic Welder in B148 (Hangar 2) using ERNiCRMo wire.	Normal - Steady State	E388		PT388		0.0	520.0		8,922.0	8,922.0	63.0	75.0
OS4	LCBLDG148	GOP-002 Laser Cutter in B148 (Hangar 2)	Normal - Steady State	E18	CD1 (P)	PT11		0.0	8,760.0					

U 19 99-NG@B362 One (1) Boiler - 98.52 MMBtu/hr Natural Gas-Fired Boiler, located at B362 Power Plant

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	99-NG@B362	98.52 MMBtu/hr Natural Gas-Fired Boiler, located at B362 Power Plant.	Normal - Steady State	E389		PT389	1-03-006-01 1-03-006-02	0.0	5,000.0		7,270.0	29,167.0	282.0	300.0