



State of New Jersey

PHILIP D. MURPHY
Governor

TAHESHA L. WAY
Lt. Governor

DEPARTMENT OF ENVIRONMENTAL PROTECTION

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

SHAWN M. LATOURETTE
Commissioner

Air Pollution Control Operating Permit Renewal

Permit Activity Number: BOP200001

Program Interest Number: 73241

Mailing Address	Plant Location
MICHAEL KELLY CHIEF EXECUTIVE OFFICER NJ DHS WOODBINE DEVELOPMENT CENTER 1175 DEHIRSCH AVE Woodbine, NJ 08270	WOODBINE DEVELOPMENTAL CTR 1175 Dehirsch Ave Woodbine Cape May County

Initial Operating Permit Approval Date: April 18, 2001
Operating Permit Approval Date: DRAFT PERMIT
Operating Permit Expiration Date: TBD

AUTHORITY AND APPLICABILITY

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

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

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

PERMIT SHIELD

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

COMPLIANCE SCHEDULES

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

COMPLIANCE CERTIFICATIONS AND DEVIATION REPORTS

The permittee shall submit to the Department and to United States Environmental Protection Agency (US EPA) periodic compliance certifications, in accordance with N.J.A.C. 7:27-22.19. **The annual compliance certification** is due to the

Department and EPA within 60 days after the end of each calendar year during which this permit was in effect. **Semi-annual deviation reports** relating to compliance testing and monitoring are due to the Department within 30 days after the end of the semi-annual period. The schedule and additional details for these submittals are available in Subject Item - FC, of the Facility Specific Requirements of this permit.

ACCESSING PERMITS

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

HELPLINE

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

RENEWING YOUR OPERATING PERMIT AND APPLICATION SHIELD

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

COMPLIANCE ASSURANCE MONITORING

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

ADMINISTRATIVE HEARING REQUEST

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

If you have any questions regarding this permit approval, please call Anjali Patel at (609) 940-5896

Approved by:

Joel Leon

Enclosure

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

Facility Name: WOODBINE DEVELOPMENTAL CTR
Program Interest Number: 73241
Permit Activity Number: BOP200001

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Section A

Facility Name: WOODBINE DEVELOPMENTAL CTR

Program Interest Number: 73241

Permit Activity Number: BOP200001

POLLUTANT EMISSIONS SUMMARY

Table 1: Total emissions from all Significant Source Operations¹ at the facility.

Facility's Potential Emissions from all Significant Source Operations (tons per year)										
Source Categories	VOC (total)	NO _x	CO	SO ₂	TSP (total)	PM ₁₀ (total)	PM _{2.5} (total)	Pb	HAPs* (total)	CO ₂ e ²
Emission Units Summary	7.19	22.4	22.0	19.1	8.60	12.9	12.9	N/A	3.26	
Batch Process Summary	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Group Summary	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Total Emissions	7.19	22.4	22.0	19.1	8.60	12.9	12.9	N/A	3.26	53,136

Table 2: Estimate of total emissions from all Insignificant Source Operations¹ and total emissions from Non-Source Fugitives at the facility.

Emissions from all Insignificant Source Operations and Non-Source Fugitive Emissions (tons per year)									
Source Categories	VOC (total)	NO _x	CO	SO ₂	TSP (total)	PM ₁₀ (total)	PM _{2.5} (total)	Pb	HAPs (total)
Insignificant Source Operations	0.08	0.054	0.014	0.001	0.005	0.003	N/A	N/A	0.0181
Non-Source Fugitive Emissions	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

VOC: Volatile Organic Compounds

NO_x: Nitrogen Oxides

CO: Carbon Monoxide

SO₂: Sulfur Dioxide

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

TSP: Total Suspended Particulates

Other: Any other air contaminant

regulated under the Federal CAA

PM₁₀: Particulates under 10 microns

PM_{2.5}: Particulates under 2.5 microns

Pb: Lead

HAPs: Hazardous Air Pollutants

CO₂e: Carbon Dioxide equivalent

*Emissions of individual HAPs are provided in Table 3 on the next page.

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

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

² Total CO₂e emissions for the facility.

Section A

Facility Name: WOODBINE DEVELOPMENTAL CTR

Program Interest Number: 73241

Permit Activity Number: BOP200001

POLLUTANT EMISSIONS SUMMARY

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

HAP	TPY
Arsenic	0.000437
Beryllium	0.000278
Cadmium	0.000646
Cobalt	0.0000318
Dimethylbenz(a)anthracene	0.00000606
Formaldehyde	0.0649
Hydrogen Chloride	3.19
Manganese	0.000444
Nickel	0.000510
Polycyclic organic matter	0.00149

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

Other Air Contaminant	TPY
N/A	

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

Section B

Facility Name: WOODBINE DEVELOPMENTAL CTR

Program Interest Number: 73241

Permit Activity Number: BOP200001

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

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

21. For all source emissions testing performed at the facility, the phrase “worst case conditions without creating an unsafe condition” used in the enclosed compliance plan is consistent with EPA’s National Stack Testing Guidance, dated April 27, 2009, where all source emission testing performed at the facility shall be under the representative (normal) conditions that:
 - i. Represent the range of combined process and control measure conditions under which the facility expects to operate (regardless of the frequency of the conditions); and
 - ii. Are likely to most challenge the emissions control measures of the facility with regard to meeting the applicable emission standards, but without creating an unsafe condition.
22. Consistent with EPA’s National Stack Testing Guidance and Technical Manual 1004, a facility may not stop an ongoing stack test because it would have failed the test unless the facility also ceases operation of the equipment in question to correct the issue. Stopping an ongoing stack test in these instances will be considered credible evidence of emissions non-compliance.
23. Each permittee shall maintain records of all source emissions testing or monitoring performed at the facility and required by the operating permit in accordance with N.J.A.C. 7:27-22.19. Records shall be maintained, for at least five years from the date of each sample, measurement, or report. Each permittee shall maintain all other records required by this operating permit for a period of five years from the date each record is made. At a minimum, source emission testing or monitoring records shall contain the information specified at N.J.A.C. 7:27-22.19(b). [N.J.A.C. 7:27-22.19(a) and N.J.A.C. 7:27-22.19(b)]
24. A Permittee may seek the approval of the Department for a delay in testing required pursuant to this permit by submitting a written request to the appropriate Regional Enforcement Office in accordance with N.J.A.C. 7:27-22.18(k). A Permittee may also seek advanced approval for a longer period for submittal of a source emissions test report required by the permit by submitting a request to the Department’s Regional Enforcement Office in accordance with N.J.A.C. 7:27-22.19. [N.J.A.C. 7:27-22.18(k) and N.J.A.C. 7:27-22.19]
25. Any emission limit values in an operating permit shall be interpreted to be followed by inherent trailing zeros (0) in the decimal portion of the limit to three significant figures (e.g. a printed limit of “1 lb/hr” means a limit of “1.00 lb/hr”) except for concentration limits less than 10 parts per million (ppm). For such concentration limits, the emission limit shall be interpreted to be followed by inherent trailing zeros (0) in the decimal portion of the limit to two significant figures (e.g. a printed limit of “1 ppm” means a limit of “1.0 ppm”).
26. Testing every 5 years shall be defined as no later than the end of the 60th month after the first required and each subsequent stack test was completed for the new or modified source.

Section C

Facility Name: WOODBINE DEVELOPMENTAL CTR

Program Interest Number: 73241

Permit Activity Number: BOP200001

STATE-ONLY APPLICABLE REQUIREMENTS

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

STATE-ONLY APPLICABLE REQUIREMENTS

The following applicable requirements are not federally enforceable:

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

Facility Name: WOODBINE DEVELOPMENTAL CTR

Program Interest Number: 73241

Permit Activity Number: BOP200001

FACILITY SPECIFIC REQUIREMENTS AND INVENTORIES

FACILITY SPECIFIC REQUIREMENTS PAGE INDEX

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Facility (FC):

FC	1
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Non-Source Fugitive Emissions (FG):

FG NJID	FG Description	
FG1		1

Insignificant Sources (IS):

IS NJID	IS Description	
IS1	6,000 gallon Diesel Fuel Tank, AST	7
IS2	2,000 gallon Diesel Fuel Tank, AST	7
IS3	Diesel Fuel Tank C-19 for Emergency Generators (less than 10,000 gallons)	7
IS4	Two 500 and 275 gallons #2 Fuel Oil Tanks, AST	7
IS5	Two Diesel Fuel Tanks (less than 10,000 gallons), AST	7
IS6	Small Boilers for Shop Heat (less than 1 MM Btu/hour) firing fuel oil.	8
IS7	Two 20,000 gallon Fuel Oil #2 Tanks, AST	9

Groups (GR):

GR NJID	GR Designation	GR Description	
GR1	BLRs_f#2FO	Boilers firing #2 Fuel Oil MACT Subpart A and JJJJJ Requirements, IS6, U1 OS2, OS5, and OS8	11

Emission Units (U):

U NJID	U Designation	U Description	
U1	3 Boilers	Three Boilers firing Natural gas, #2 Fuel oil, and Landfill gas (Boiler #1-49.9 MMBtu/hr, Boiler #2-28.6 MMBtu/hr & Boiler #3-21.229 MMBtu/hr)	17
U2	3 Em. Gen.	Three Emergency Generators, 5.86 MM Btu/hour Caterpillar, 7.62 MM Btu/hour each Cummins #1 and #2, Diesel Fuel	46
U8	Gasoline Dis	Fueling Station (4,000 gallon Compartmentalized Gasoline Storage Tank)	55

**WOODBINE DEVELOPMENTAL CTR (73241)
BOP200001**

Date: 3/2/2025

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

Permit Being Modified

Permit Class: BOP **Number:** 200002

**Description
of Modifications:** The following changes are made to the operating permit during this renewal process:

1. U2 OS summary updated state emergency generator requirements.
2. U8 OS Summary updated N.J.A.C. 7:27-16.3 requirements.
3. Removed emission point PT1.

BOP200001

**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.

BOP200001

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

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

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**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]

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**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]

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Facility Specific Requirements**

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

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
21	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.

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

Subject Item: IS1 6,000 gallon Diesel Fuel Tank, AST, IS2 2,000 gallon Diesel Fuel Tank, AST, IS3 Diesel Fuel Tank C-19 for Emergency Generators (less than 10,000 gallons), IS4 Two 500 and 275 gallons #2 Fuel Oil Tanks, AST, IS5 Two Diesel Fuel Tanks (less than 10,000 gallons), AST

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

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

Subject Item: IS6 Small Boilers for Shop Heat (less than 1 MM Btu/hour) firing fuel oil.

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(a)] and [N.J.A.C. 7:27- 3.2(c)]	None.	None.	None.
2	Sulfur Content in Fuel <= 15 ppmw (0.0015% by weight). [N.J.A.C. 7:27-9.2(b)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	None.
3	Fuel stored in New Jersey that met the applicable maximum sulfur content standard of Tables 1A or 1B of N.J.A.C. 7:27-9.2 at the time the fuel was stored in New Jersey may be used in New Jersey after the operative date of the applicable standard in Table 1B. [N.J.A.C. 7:27- 9.2(b)]	None.	None.	None.
4	Additional applicable MACT 40 CFR 63 Subpart A and Subpart JJJJJ requirements are at GR1. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

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

Subject Item: IS7 Two 20,000 gallon Fuel Oil #2 Tanks, AST

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

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
8	The permittee shall have readily available upon Department request a statement certified in accordance with N.J.A.C. 7-27-1.39, signed by the responsible official, as defined at N.J.A.C. 7:27-1.4, that: (1) specifies the contents of the tank; (2) affirms that the tank or vessel meets the applicable requirement and (3) attests that the tank or vessel is in compliance with all other applicable State or federal air pollution requirements. [N.J.A.C. 7:27-22.1]	None.	None.	None.
9	Sulfur Content in Fuel <= 15 ppmw (0.0015% by weight). [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.
10	Fuel stored in New Jersey that met the applicable maximum sulfur content standard of Tables 1A or 1B of N.J.A.C. 7:27-9.2 at the time the fuel was stored in New Jersey may be stored, offered for sale, sold, delivered or exchanged in trade, for use in New Jersey, after the effective date of the applicable standard in Table 1B. [N.J.A.C. 7:27-9.2(a)]	None.	None.	None.

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

Subject Item: GR1 Boilers firing #2 Fuel Oil MACT Subpart A and JJJJJJ Requirements, IS6, U1 OS2, OS5, and OS8

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	No permittee shall build, erect, install, or use any article, machine, equipment, or process to conceal an emission that would otherwise constitute noncompliance with a relevant standard. Such concealment includes, but is not limited to: (1) The use of diluents to achieve compliance with a relevant standard based on the concentration of a pollutant in the effluent discharged to the atmosphere; (2) The use of gaseous diluents to achieve compliance with a relevant standard for visible emissions. (MACT Subpart A) [40 CFR 63.4(b)]	None.	None.	None.
2	The owner and operator must not use fragmentation or phasing of reconstruction activities (i.e., intentionally dividing reconstruction into multiple parts for purposes of avoiding new source requirements) to avoid becoming subject to new source requirements. (MACT Subpart A) [40 CFR 63.4(c)]	None.	None.	None.
3	The permittee shall conduct monitoring as specified in the relevant standard, unless otherwise specified by the Administrator. (MACT Subpart A) [40 CFR 63.8(b)(1)]	None.	None.	None.

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

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

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New Jersey Department of Environmental Protection
Facility Specific Requirements

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

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

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

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Facility Specific Requirements**

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

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

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

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: U1 Three Boilers firing Natural gas, #2 Fuel oil, and Landfill gas (Boiler #1-49.9 MMBtu/hr, Boiler #2-28.6 MMBtu/hr & Boiler #3-21.229 MMBtu/hr)
Operating Scenario: OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Summary of Federal Rules applicable to this Emission Unit: MACT 40 CFR 63 Subpart A (Refer to GR1) MACT 40 CFR 63 Subpart JJJJJ (Refer to GR1) NSPS 40 CFR 60 Subpart A NSPS 40 CFR 60 Subpart Dc [40 CFR Federal Rules Summary]	None.	None.	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
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(a)] & [N.J.A.C. 7:27- 3.2(c)]	Other: Visual determination. Weekly when burning #2 fuel oil and none when firing natural gas or landfill gas. For compliance with the monitoring and record keeping requirements for the opacity standard, the permittee shall conduct visual opacity inspections of each stack during daylight hours. Visual inspections shall consist of a visual survey to identify if each stack has visible emissions, (other than condensed water vapor), greater than the prescribed standard. If visible emissions are observed, the permittee shall do the following: (1) Verify that the equipment and /or control device causing the emission is operating according to manufacturer's specifications and the operating permit compliance plan. If the equipment or control device is not operating properly, the permittee shall take corrective action immediately to eliminate the excess emissions. The permittee must report any permit violation to NJDEP pursuant to N.J.A.C. 7:27- 22.19. (2) If the corrective action taken in step one does not correct the opacity problem within 24 hours, the permittee shall perform a check via a certified opacity reader, in accordance with N.J.A.C. 7:27B-2. Such a test shall be conducted once per day until corrective action is taken to successfully correct the opacity problem. The permittee must report any continuing permit violation to NJDEP pursuant to N.J.A.C. 7:27-22.19.[N.J.A.C. 7:27-22.16(o)].	Other: Recordkeeping by manual logging of visible emissions in a permanently bound logbook. Weekly. The permittee must retain the following records; (1) Date and time of inspection; (2) Emission Point number; (3) Operational status of equipment; (4) Observed results and conclusions; (5) Description of corrective action taken if needed; (6) Date and time opacity problem was solved, if applicable; (7) N.J.A.C. 7:27B-2 results if conducted; and (8) Name of person(s) conducting inspection.[N.J.A.C. 7:27-22.16(o)].	Other (provide description): Upon occurrence of event the permittee must report any permit violation to NJDEP pursuant to N.J.A.C.7:27-22.19. [N.J.A.C. 7:27-22.16(o)]

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
3	The permittee 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 permittee 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: $\text{Lb/MMBTU} = \text{ppmvd} * \text{MW} * \text{F dry factor} * \text{O2 correction factor} / 387,000,000$ 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: $(20.9\%) / (20.9\% - \text{O2 measured})$, 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 permittee shall submit an annual adjustment combustion process report to the department within 45 days after the adjustment of the combustion process is completed. The report shall be submitted electronically to: www.nj.gov/dep/aqpp/adjustment.htm . 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)]

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

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	Annual heat input limit, for Boiler #1 is 437,124.0 million Btu per any consecutive 12-month period. [N.J.A.C. 7:27-22.16(a)]	<p>Monitored by fuel flow/firing rate instrument continuously, based on a consecutive 12 month period (rolling 1 month basis). Compliance with the maximum 12-month heat input limit shall be demonstrated monthly through fuel use records and application of the following equation:</p> $\text{Heat Input (Btu)/Month} = [(\text{gallons \#2 FO combusted}) (142,000 \text{ Btu/gallon})] + [(\text{cu ft NG combusted}) (1020 \text{ Btu/cu ft})] + [(\text{cu ft LFG combusted}) (516 \text{ Btu/cu ft})], \text{ based on the actual amounts of \#2 FO, NG, and LFG combusted in each boiler in each consecutive 12-month period.}$ <p>Heat input per any consecutive 12-month period shall be calculated by the sum of the heat input during any one month added to the sum of heat input during the preceding 11 months.</p> <p>The permittee will select the time period for accounting, such as fiscal month, calendar month, or production month. Once selected, the period must not be changed without prior approval from NJDEP. [N.J.A.C. 7:27-22.16(o)]</p>	<p>Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. Log calculated monthly heat input and consecutive 12-month heat input</p> <p>Operating logs shall be kept to accurately record the operating time and type and quantity of each fuel burned. Compliance with the maximum 12-month heat input limit shall be demonstrated monthly through fuel use records. Please see the equation in the monitoring requirement. [N.J.A.C. 7:27-22.16(o)]</p>	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
8	Annual heat input limit, for Boiler #2 is 247,032.0 million Btu per any consecutive 12-month period. [N.J.A.C. 7:27-22.16(a)]	<p>Monitored by fuel flow/firing rate instrument continuously, based on a consecutive 12 month period (rolling 1 month basis). Compliance with the maximum 12-month heat input limit shall be demonstrated monthly through fuel use records and application of the following equation:</p> <p>Heat Input (Btu)/Month = [(gallons #2 FO combusted) (142,000 Btu/gallon)] + [(cu ft NG combusted) (1020 Btu/cu ft)] + [(cu ft LFG combusted) (516 Btu/cu ft)], based on the actual amounts of #2 FO, NG, and LFG combusted in each boiler in each consecutive 12-month period.</p> <p>Heat input per any consecutive 12-month period shall be calculated by the sum of the heat input during any one month added to the sum of heat input during the preceding 11 months.</p> <p>The permittee will select the time period for accounting, such as fiscal month, calendar month, or production month. Once selected, the period must not be changed without prior approval from NJDEP. [N.J.A.C. 7:27-22.16(o)]</p>	<p>Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. Log calculated monthly heat input and consecutive 12-month heat input</p> <p>Operating logs shall be kept to accurately record the operating time and type and quantity of each fuel burned. Compliance with the maximum 12-month heat input limit shall be demonstrated monthly through fuel use records. Please see the equation in the monitoring requirement. [N.J.A.C. 7:27-22.16(o)]</p>	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
9	Annual heat input limit, for Boiler #3 is 183,917.0 million Btu per any consecutive 12-month period. [N.J.A.C. 7:27-22.16(a)]	<p>Monitored by fuel flow/firing rate instrument continuously, based on a consecutive 12 month period (rolling 1 month basis). Compliance with the maximum 12-month heat input limit shall be demonstrated monthly through fuel use records and application of the following equation:</p> <p>Heat Input (Btu)/Month = [(gallons #2 FO combusted) (142,000 Btu/gallon)] + [(cu ft NG combusted) (1020 Btu/cu ft)] + [(cu ft LFG combusted) (516 Btu/cu ft)], based on the actual amounts of #2 FO, NG, and LFG combusted in each boiler in each consecutive 12-month period.</p> <p>Heat input per any consecutive 12-month period shall be calculated by the sum of the heat input during any one month added to the sum of heat input during the preceding 11 months.</p> <p>The permittee will select the time period for accounting, such as fiscal month, calendar month, or production month. Once selected, the period must not be changed without prior approval from NJDEP. [N.J.A.C. 7:27-22.16(o)]</p>	<p>Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. Log calculated monthly heat input and consecutive 12-month heat input</p> <p>Operating logs shall be kept to accurately record the operating time and type and quantity of each fuel burned. Compliance with the maximum 12-month heat input limit shall be demonstrated monthly through fuel use records. Please see the equation in the monitoring requirement. [N.J.A.C. 7:27-22.16(a)]</p>	None.
10	VOC (Total) <= 5.8 tons/yr . [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
11	NOx (Total) <= 19 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
12	CO <= 21.1 tons/yr . [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
13	SO2 <= 18.8 tons/yr , annual emission limit based on 42 lb/MMft ² landfill gas SO2 limit and based on 15 ppm fuel oil sulfur requirement. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
14	TSP <= 8.52 tons/yr . [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
15	PM-10 (Total) <= 12.8 tons/yr . [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
16	PM-2.5 (Total) <= 12.8 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
17	Arsenic Emissions <= 0.000437 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
18	Beryllium Emissions <= 0.000278 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
19	Cadmium Emissions <= 0.000646 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
20	Cobalt Emissions <= 0.0000318 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
21	Dimethylbenz(a)anthracene (7,12-) <= 0.00000606 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
22	Formaldehyde <= 0.0649 tons/yr . [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
23	HCl Emissions <= 3.19 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
24	Manganese Emissions <= 0.000444 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
25	Nickel Emissions <= 0.00051 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
26	Polycyclic organic matter <= 0.00149 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
27	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)]

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
28	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)]
29	The permittee shall furnish the Administrator written notification or, if acceptable to both the Administrator and the permittee, electronic notification, of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless that change is specifically exempted under an applicable subpart or in section 60.14(e). The notification shall include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of facility before and after the change and the expected completion date of the change. Notification shall be postmarked within 60 days or as soon as practicable before any change is commenced. The Administrator may request additional relevant information subsequent to this notice. NSPS Subpart A. [40 CFR 60.7(a)(4)]	None.	None.	Submit notification: Upon occurrence of event to EPA Region 2 and the appropriate Regional Enforcement Office of NJDEP as required by 40 CFR 60.7 [40 CFR 60.7(a)(4)]
30	The permittee shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility, any malfunction of air pollution control equipment or any periods during which continuous monitoring system or monitoring device is inoperative. NSPS Subpart A. [40 CFR 60.7(b)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The records should be kept in a permanent form suitable for inspections. [40 CFR 60.7(b)]	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
31	The permittee shall maintain a file, suitable for inspection, of all monitoring measurements as indicated in the Recordkeeping Requirement column. NSPS Subpart A. [40 CFR 60.7(f)]	None.	Other: The file shall include all measurements (including continuous monitoring system, monitoring device, and performance testing measurements), all continuous monitoring system performance evaluations, all continuous monitoring system or monitoring device calibration checks, all adjustments/maintenance performed on these systems or devices, and all other information required by 40 CFR Part 60 recorded in a permanent form suitable for inspection. The file shall be retained for at least two years following the dates of the record, except as prescribed in 40 CFR 60.7(f)(1) through (3). Sources subject to 40 CFR 70, are required to retain records of all required monitoring data and support information for a period of at least 5 years from the date of the monitoring sample, measurement, report, or application, per 40 CFR 70.6(a)(3)(ii)(B). [40 CFR 60.7(f)].	None.
32	At all times, including periods of start-up, shutdown, and malfunction, the permittee 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.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
33	No permittee 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.
34	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.
35	Sulfur Content in Fuel <= 0.5 weight % for an affected facility that combusts oil. NSPS Subpart Dc. [40 CFR 60.42c(d)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records once per bulk fuel shipment. [40 CFR 60.44c(h)]	Sulfur Content in Fuel: Recordkeeping by fuel supplier certifications pursuant to 40 CFR Part 60.48c(f) once per bulk fuel shipment. Records of the name of the oil supplier, a statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil as specified at 40 CFR 60.41c, and the sulfur content of the oil shall be maintained. [40 CFR 60.48c(e)(11)]	Submit a report: Semi-annually beginning on the 30th day of the 6th month following initial performance tests. The permittee shall submit fuel supplier certifications, and owner/operator certification that the fuel supplier's certifications are representative of all the fuel combusted during the reporting period. [40 CFR 60.48c(e)(11)]
36	The permittee shall maintain records, and report to the Administrator, all information specified at 40 CFR 60.48c(e). NSPS Subpart Dc. [40 CFR 60.48c(d)]	None.	Other: The permittee shall record all applicable information specified at 40 CFR 60.48c(e)(1) through (e)(11).[40 CFR 60.48c(d)].	Submit a report: Semi-annually beginning on the 30th day of the 6th month following initial performance tests. The permittee shall report to the Administrator all applicable information specified at 40 CFR 60.48c(e)(1) through (11). [40 CFR 60.48c(d)]
37	The permittee shall record and maintain records of each fuel combusted during each calendar month. NSPS Subpart Dc. [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(g)(2)]	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
38	The permittee shall maintain all required records for a period of two years following the date of such record. NSPS Subpart Dc. [40 CFR 60.48c(i)]	None.	None.	None.

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Emission Unit: U1 Three Boilers firing Natural gas, #2 Fuel oil, and Landfill gas (Boiler #1-49.9 MMBtu/hr, Boiler #2-28.6 MMBtu/hr & Boiler #3-21.229 MMBtu/hr)

Operating Scenario: OS1 49.9 MMBtu/hr Boiler #1 firing Natural gas

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 10.99 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	VOC (Total) <= 0.25 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	NOx (Total) <= 1.75 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	NOx (Total) <= 0.12 lb/MMBTU. The permittee shall cause the boiler or other indirect heat exchanger to emit NOx at a rate no greater than the applicable maximum allowable NOx emission rate specified above. [N.J.A.C. 7:27-19.7(i)1]	None.	None.	None.
5	NOx (Total) <= 0.035 lb/MMBTU maximum emission level for State of the Art (SOTA) burning Natural Gas. [N.J.A.C. 7:27-22.35(a)]	None.	None.	None.
6	CO <= 2.5 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	CO <= 0.05 lb/MMBTU maximum emission level for State of the Art (SOTA) burning Natural Gas. [N.J.A.C. 7:27-22.35(a)]	None.	None.	None.
8	TSP <= 0.37 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	PM-10 (Total) <= 0.37 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
10	PM-2.5 (Total) <= 0.37 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
11	Maximum Gross Heat Input <= 49.9 MMBTU/hr (HHV) after throttled from maximum heat input rate 55 MMBtu/hr. [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep Records of showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
12	Natural Gas Usage \leq 48,922 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 permittee shall install and operate a fuel flowmeter that meets an accuracy of not less than 2%. [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.
13	Natural Gas Usage \leq 342.5 MMft ³ /yr per any consecutive 12 month period. [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(a)]	Natural Gas Usage: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The permittee shall maintain records of natural gas usage during each calendar month and each consecutive 12 month period. [N.J.A.C. 7:27-22.16(a)]	None.
14	Arsenic Emissions \leq 0.00000978 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
15	Cadmium Emissions \leq 0.0000538 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
16	Cobalt Emissions \leq 0.00000411 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
17	Dimethylbenz(a)anthracene (7,12-) \leq 7.83E-7 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
18	Formaldehyde \leq 0.00367 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
19	Manganese Emissions \leq 0.0000196 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
20	Nickel Emissions \leq 0.000103 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

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Emission Unit: U1 Three Boilers firing Natural gas, #2 Fuel oil, and Landfill gas (Boiler #1-49.9 MMBtu/hr, Boiler #2-28.6 MMBtu/hr & Boiler #3-21.229 MMBtu/hr)

Operating Scenario: OS2 49.9 MMBtu/hr Boiler #1 firing No. 2 Fuel oil

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 10.99 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	Sulfur Content in Fuel <= 15 ppmw (0.0015% by weight). [N.J.A.C. 7:27- 9.2(b)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	None.
3	VOC (Total) <= 0.5 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	NOx (Total) <= 2.99 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	NOx (Total) <= 0.12 lb/MMBTU. The permittee shall cause the boiler or other indirect heat exchanger to emit NOx at a rate no greater than the applicable maximum allowable NOx emission rate specified above. [N.J.A.C. 7:27-19.7(i)1]	None.	None.	None.
6	NOx (Total) <= 0.06 lb/MMBTU maximum emission level for SOTA burning # 2 Fuel Oil. [N.J.A.C. 7:27-22.35(a)]	None.	None.	None.
7	CO <= 1.95 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	CO <= 0.039 lb/MMBTU maximum emission level for State of the Art (SOTA) burning # 2 Fuel Oil. [N.J.A.C. 7:27-22.35(a)]	None.	None.	None.
9	TSP <= 1.16 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
10	PM-10 (Total) <= 1.16 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
11	PM-2.5 (Total) <= 1.16 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
12	Maximum Gross Heat Input <= 49.9 MMBTU/hr (HHV).after throttling from maximum heat input rate 55 MM BTU/hr. [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep Records of showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
13	Fuel Oil Usage <= 351.4 gal/hr. [N.J.A.C. 7:27-22.16(a)]	Fuel Oil Usage: Monitored by fuel flow/firing rate instrument continuously, based on a 1 hour block average The permittee shall install and operate a fuel flowmeter that meets an accuracy of not less than 2%. [N.J.A.C. 7:27-22.16(o)]	Fuel Oil Usage: Recordkeeping by data acquisition system (DAS) / electronic data storage continuously. [N.J.A.C. 7:27-22.16(o)]	None.
14	Fuel Oil Usage <= 0.9 MMgal/yr per any consecutive 12 month period. [N.J.A.C. 7:27-22.16(a)]	Fuel Oil 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(a)]	Fuel Oil Usage: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The permittee shall maintain records of fuel oil usage during each calendar month and each consecutive 12 month period. [N.J.A.C. 7:27-22.16(a)]	None.
15	Arsenic Emissions <= 0.0002 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
16	Beryllium Emissions <= 0.00015 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
17	Cadmium Emissions <= 0.00015 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
18	Formaldehyde <= 0.0214 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
19	Manganese Emissions <= 0.000299 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
20	Nickel Emissions <= 0.00015 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
21	Polycyclic organic matter <= 0.00116 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

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New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: U1 Three Boilers firing Natural gas, #2 Fuel oil, and Landfill gas (Boiler #1-49.9 MMBtu/hr, Boiler #2-28.6 MMBtu/hr & Boiler #3-21.229 MMBtu/hr)

Operating Scenario: OS3 30.5 MMBtu/hr Boiler #1 firing Landfill gas.

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 9.05 lb/hr. Particulate emission limit from the combustion of fuel based on rated heat input of source to be 30.5 MM Btu/hr. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	VOC (Total) <= 0.64 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	VOC (Total) <= 10.82 lb/MMft ³ , based on stack test data. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	NOx (Total) <= 1.07 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	NOx (Total) <= 0.12 lb/MMBTU. The permittee shall cause the boiler or other indirect heat exchanger to emit NOx at a rate no greater than the applicable maximum allowable NOx emission rate specified above. [N.J.A.C. 7:27-19.7(i)1]	None.	None.	None.
6	NOx (Total) <= 0.035 lb/MMBTU. [N.J.A.C. 7:27-22.35(a)]	None.	None.	None.
7	CO <= 1.53 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	CO <= 0.05 lb/MMBTU. [N.J.A.C. 7:27-22.35(a)]	None.	None.	None.
9	SO2 <= 2.48 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
10	SO2 <= 42 lb/MMft ³ , based on calculations of ppmv H2S as sampled in Landfill gas (as per CMCMA letter to NJDHS dated 2/19/2010). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
11	TSP <= 0.7 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
12	TSP <= 11.77 lb/MMft ³ , based on stack test data. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

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Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
13	PM-10 (Total) <= 1.43 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
14	PM-10 (Total) <= 24.17 lb/MMft ³ , based on stack test data. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
15	PM-2.5 (Total) <= 1.43 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
16	HCl Emissions <= 0.43 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
17	Hydrogen sulfide <= 250 ppmv in landfill gas prior to combustion. [N.J.A.C. 7:27-22.16(o)]	Other: Monitored by sampling of the landfill gas each week for H ₂ S. [N.J.A.C. 7:27-22.16(o)].	Hydrogen sulfide: 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.
18	Maximum Gross Heat Input <= 30.5 MMBTU/hr (HHV), based on 516 Btu/Cf (HHV) after throttled from maximum heat input rate 55 MM BTU/hr. [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep Records of showing maximum heat input rate. [N.J.A.C. 7:27-22.16(o)].	None.
19	Other Gaseous Fuel Usage <= 0.059 MMft ³ /hr, LFG. [N.J.A.C. 7:27-22.16(a)]	Other Gaseous Fuel Usage: Monitored by fuel flow/firing rate instrument continuously, based on a 1 hour block average The permittee shall install and operate a fuel flowmeter that meets an accuracy of not less than 2%. [N.J.A.C. 7:27-22.16(o)]	Other Gaseous Fuel Usage: Recordkeeping by data acquisition system (DAS) / electronic data storage continuously. [N.J.A.C. 7:27-22.16(o)]	None.
20	Other Gaseous Fuel Usage <= 414.22 MMft ³ /yr per any consecutive 12 month period. [N.J.A.C. 7:27-22.16(a)]	Other Gaseous Fuel 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(a)]	Other Gaseous Fuel Usage: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation The permittee shall maintain records of landfill gas usage during each calendar month and each consecutive 12 month period. [N.J.A.C. 7:27-22.16(a)]	None.

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

Emission Unit: U1 Three Boilers firing Natural gas, #2 Fuel oil, and Landfill gas (Boiler #1-49.9 MMBtu/hr, Boiler #2-28.6 MMBtu/hr & Boiler #3-21.229 MMBtu/hr)

Operating Scenario: OS4 28.2 MMBtu/hr Boiler #2 (700 HP Cleaver Brooks) firing Natural gas.

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 8.82 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	VOC (Total) <= 0.14 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	NOx (Total) <= 0.99 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	NOx (Total) <= 0.12 lb/MMBTU. The permittee shall cause the boiler or other indirect heat exchanger to emit NOx at a rate no greater than the applicable maximum allowable NOx emission rate specified above. [N.J.A.C. 7:27-19.7(i)1]	None.	None.	None.
5	NOx (Total) <= 0.035 lb/MMBTU maximum emission level for State of the Art (SOTA) burning Natural Gas. [N.J.A.C. 7:27-22.35(a)]	None.	None.	None.
6	CO <= 1.41 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	CO <= 0.05 lb/MMBTU maximum emission level for State of the Art (SOTA) burning natural gas. [N.J.A.C. 7:27-22.35(a)]	None.	None.	None.
8	TSP <= 0.21 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	PM-10 (Total) <= 0.21 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
10	PM-2.5 (Total) <= 0.21 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
11	Maximum Gross Heat Input <= 28.2 MMBTU/hr (HHV). Boiler fuel limited to Natural Gas under this operating scenario. [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep Records of showing maximum heat input rate.[N.J.A.C. 7:27-22.16(a)].	None.

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Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
12	Natural Gas Usage \leq 242.2 MMft ³ /yr per any consecutive 12 month period. [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(a)]	Natural Gas Usage: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation The permittee shall maintain records of natural gas usage during each calendar month and each consecutive 12 month period. [N.J.A.C. 7:27-22.16(a)]	None.
13	Arsenic Emissions \leq 0.00000553 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
14	Cadmium Emissions \leq 0.0000304 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
15	Cobalt Emissions \leq 0.00000232 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
16	Dimethylbenz(a)anthracene (7,12-) \leq 4.42E-7 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
17	Formaldehyde \leq 0.00207 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

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

Emission Unit: U1 Three Boilers firing Natural gas, #2 Fuel oil, and Landfill gas (Boiler #1-49.9 MMBtu/hr, Boiler #2-28.6 MMBtu/hr & Boiler #3-21.229 MMBtu/hr)

Operating Scenario: OS5 28.6 MMBtu/hr Boiler #2 (700 HP Cleaver Brooks) firing No.2 Fuel oil.

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 8.86 lb/hr Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Sulfur Content in Fuel <= 15 ppmw (0.0015% by weight). [N.J.A.C. 7:27- 9.2(b)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	None.
3	VOC (Total) <= 0.29 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	NOx (Total) <= 3.43 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	NOx (Total) <= 0.12 lb/MMBTU. The permittee shall cause the boiler or other indirect heat exchanger to emit NOx at a rate no greater than the applicable maximum allowable NOx emission rate specified above. [N.J.A.C. 7:27-19.7(i)1]	None.	None.	None.
6	CO <= 1.11 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	CO <= 0.039 lb/MMBTU maximum emission level for State of the Art (SOTA) burning # 2 Fuel Oil. [N.J.A.C. 7:27-22.35(a)]	None.	None.	None.
8	TSP <= 0.66 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	PM-10 (Total) <= 0.66 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
10	PM-2.5 (Total) <= 0.66 lb/hr , based on AP-42. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
11	Maximum Gross Heat Input <= 28.6 MMBTU/hr (HHV). Boilers fuel limited to # 2 Fuel Oil under this operating scenario. [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep Records of showing maximum heat input rate.[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
12	Fuel Oil Usage \leq 0.102 MMgal/yr per any consecutive 12 month period. [N.J.A.C. 7:27-22.16(a)]	Fuel Oil 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(a)]	Fuel Oil Usage: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation The permittee shall maintain records of fuel oil usage during each calendar month and each consecutive 12 month period. [N.J.A.C. 7:27-22.16(a)]	None.
13	Arsenic Emissions \leq 0.000114 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
14	Beryllium Emissions \leq 0.0000858 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
15	Cadmium Emissions \leq 0.0000858 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
16	Formaldehyde \leq 0.0123 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

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

Emission Unit: U1 Three Boilers firing Natural gas, #2 Fuel oil, and Landfill gas (Boiler #1-49.9 MMBtu/hr, Boiler #2-28.6 MMBtu/hr & Boiler #3-21.229 MMBtu/hr)

Operating Scenario: OS6 28.2 MMBtu/hr Boiler #2 (700 HP Cleaver Brooks) firing Landfill gas.

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions \leq 8.82 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	VOC (Total) \leq 0.59 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	VOC (Total) \leq 10.82 lb/MMft ³ , based on stack test data. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	NOx (Total) \leq 0.99 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	NOx (Total) \leq 0.12 lb/MMBTU. The permittee shall cause the boiler or other indirect heat exchanger to emit NOx at a rate no greater than the applicable maximum allowable NOx emission rate specified above. [N.J.A.C. 7:27-19.7(i)1]	None.	None.	None.
6	CO \leq 1.41 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	CO \leq 0.05 lb/MMBTU. [N.J.A.C. 7:27-22.35(a)]	None.	None.	None.
8	SO2 \leq 2.3 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	SO2 \leq 42 lb/MMft ³ , based on calculations of ppmv H2S as sampled in Landfill gas (as per CMCMUA letter to NJDHS dated 2/19/2010). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
10	TSP \leq 0.64 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
11	TSP \leq 11.77 lb/MMft ³ , based on stack test data. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
12	PM-10 (Total) \leq 1.32 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
13	PM-10 (Total) \leq 24.17 lb/MMft ³ , based on stack test data. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

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Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
14	PM-2.5 (Total) <= 1.32 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
15	HCl Emissions <= 0.39 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
16	Hydrogen sulfide <= 250 ppmv in landfill gas prior to combustion. [N.J.A.C. 7:27-22.16(o)]	Other: Monitored by sampling of the landfill gas each week for H ₂ S.[N.J.A.C. 7:27-22.16(o)].	Hydrogen sulfide: 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.
17	Maximum Gross Heat Input <= 28.2 MMBTU/hr (HHV) , based on 516 Btu/Cf (HHV). Boilers fuel limited to Landfill Gas under this operating scenario. [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep Records of showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
18	Other Gaseous Fuel Usage <= 235.3 MMft ³ /yr per any consecutive 12 month period.. [N.J.A.C. 7:27-22.16(a)]	Other Gaseous Fuel 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(a)]	Other Gaseous Fuel Usage: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation The permittee shall maintain records of landfill gas usage during each calendar month and each consecutive 12 month period. [N.J.A.C. 7:27-22.16(a)]	None.

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Facility Specific Requirements**

Emission Unit: U1 Three Boilers firing Natural gas, #2 Fuel oil, and Landfill gas (Boiler #1-49.9 MMBtu/hr, Boiler #2-28.6 MMBtu/hr & Boiler #3-21.229 MMBtu/hr)

Operating Scenario: OS7 20.925 MMBtu/hr Boiler #3 (500 HP Cleaver Brooks)firing Natural gas.

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 8.09 lb/hr Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	VOC (Total) <= 0.1 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	NOx (Total) <= 0.71 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	CO <= 1.01 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	TSP <= 0.15 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	PM-10 (Total) <= 0.15 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	PM-2.5 (Total) <= 0.15 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Maximum Gross Heat Input <= 20.925 MMBTU/hr (HHV). Boilers fuel limited to Natural Gas under this operating scenario. [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep Records of showing maximum heat input rate.[N.J.A.C. 7:27-22.16(a)].	None.
9	Natural Gas Usage <= 173.2 MMft ³ /yr per any consecutive 12 month period. [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(a)]	Natural Gas Usage: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation The permittee shall maintain records of natural gas usage during each calendar month and each consecutive 12 month period. [N.J.A.C. 7:27-22.16(a)]	None.
10	Arsenic Emissions <= 0.0000041 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
11	Cadmium Emissions <= 0.0000226 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
12	Cobalt Emissions <= 0.00000172 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

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Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
13	Dimethylbenz(a)anthracene (7,12-) <= 3.28E-7 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
14	Formaldehyde <= 0.00154 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

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

Emission Unit: U1 Three Boilers firing Natural gas, #2 Fuel oil, and Landfill gas (Boiler #1-49.9 MMBtu/hr, Boiler #2-28.6 MMBtu/hr & Boiler #3-21.229 MMBtu/hr)

Operating Scenario: OS8 21.229 MMBtu/hr Boiler #3 (500 HP Cleaver Brooks) firing No. 2 Fuel oil.

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 8.12 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	Sulfur Content in Fuel <= 15 ppmw (0.0015% by weight). [N.J.A.C. 7:27- 9.2(b)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	None.
3	VOC (Total) <= 0.2 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	NOx (Total) <= 2.45 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	CO <= 0.8 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	TSP <= 0.47 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	PM-10 (Total) <= 0.47 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	PM-2.5 (Total) <= 0.47 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Maximum Gross Heat Input <= 21.229 MMBTU/hr (HHV). Boilers fuel limited to #2 Fuel Oil under this operating scenario. [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep Records of showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
10	Fuel Oil Usage <= 0.302 MMgal/yr per any consecutive 12 month period. [N.J.A.C. 7:27-22.16(a)]	Fuel Oil 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(a)]	Fuel Oil Usage: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation The permittee shall maintain records of fuel oil usage during each calendar month and each consecutive 12 month period. [N.J.A.C. 7:27-22.16(a)]	None.
11	Arsenic Emissions <= 0.0000849 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

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Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
12	Beryllium Emissions <= 0.0000637 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
13	Cadmium Emissions <= 0.0000637 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
14	Formaldehyde <= 0.00912 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

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New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: U1 Three Boilers firing Natural gas, #2 Fuel oil, and Landfill gas (Boiler #1-49.9 MMBtu/hr, Boiler #2-28.6 MMBtu/hr & Boiler #3-21.229 MMBtu/hr)

Operating Scenario: OS9 20.2 MMBtu/hr Boiler #3 (500 HP Cleaver Brooks) firing Landfill gas.

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 8.02 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	VOC (Total) <= 0.42 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	VOC (Total) <= 10.82 lb/MMft ³ , based on stack test data. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	NOx (Total) <= 0.71 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	CO <= 1.01 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	SO2 <= 1.64 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	SO2 <= 42 lb/MMft ³ , based on calculations of ppmv H2S as sampled in Landfill gas (as per CMCMUA letter to NJDHS dated 2/19/2010). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	TSP <= 0.46 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	TSP <= 11.77 lb/MMft ³ , based on stack test data. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
10	PM-10 (Total) <= 0.945 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
11	PM-10 (Total) <= 24.17 lb/MMft ³ , based on stack test data. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
12	PM-2.5 (Total) <= 0.945 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
13	HCl Emissions <= 0.28 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
14	Hydrogen sulfide \leq 250 ppmv in landfill gas prior to combustion. [N.J.A.C. 7:27-22.16(o)]	Other: Monitored by sampling of the landfill gas each week for H ₂ S.[N.J.A.C. 7:27-22.16(o)].	Hydrogen sulfide: 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.
15	Maximum Gross Heat Input \leq 20.2 MMBTU/hr (HHV) , based on 516 Btu/Cf (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep Records of showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
16	Other Gaseous Fuel Usage \leq 235.3 MMft ³ /yr per any consecutive 12 month period. [N.J.A.C. 7:27-22.16(a)]	Other Gaseous Fuel 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(a)]	Other Gaseous Fuel Usage: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation The permittee shall maintain records of landfill gas usage during each calendar month and each consecutive 12 month period. [N.J.A.C. 7:27-22.16(a)]	None.

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

Emission Unit: U2 Three Emergency Generators, 5.86 MM Btu/hour Caterpillar, 7.62 MM Btu/hour each Cummins #1 and #2, Diesel Fuel

Operating Scenario: OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Opacity <= 20 % , exclusive of visible condensed water vapor, except for a period of not longer than 10 consecutive seconds. [N.J.A.C. 7:27- 3.5]	None.	None.	None.
2	Sulfur Content in Fuel <= 15 ppmw (0.0015% by weight). [N.J.A.C. 7:27-9.2(b)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	None.
3	Generator fuel limited to #2 Diesel fuel. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

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

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

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
5	<p>This emergency generator shall not be used:</p> <p>1. For normal testing and maintenance on days when the Department forecasts air quality anywhere in New Jersey to be "unhealthy for sensitive groups," "unhealthy," or "very unhealthy" as defined in the EPA's Air Quality Index at 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</p> <p>2. As a source of energy or power after the primary energy or power source has become operable again after emergency or after power disruption resulted from construction, repair, or maintenance activity. Operation of the emergency generator during construction, repair, or maintenance activity shall be limited to no more than 30 days of operation per calendar year. If the primary energy or power source is under the control of the owner or operator of the emergency generator, the owner or operator shall make a reasonable, timely effort to repair the primary energy or power source.</p> <p>[N.J.A.C. 7:27-19.2(d)]</p>	None.	None.	None.

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
6	The Emergency Generator may be operated at other locations (within the State of New Jersey) only in the event of an emergency, as defined at N.J.A.C. 7:27-19.1. [N.J.A.C. 7:27-22.16(a)]	Monitored by hour/time monitor upon occurrence of event. [N.J.A.C. 7:27-22.16(o)]	<p>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.</p> <p>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.</p> <p>The Permittee of the emergency generator shall have the above records on site within 30 days of the occurrence of the emergency event, maintain the record for a period of no less than 5 years after the record was made, and shall make the records readily available to the Department or the EPA upon request. 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)]</p>	Submit notification: Upon occurrence of event the Permittee of the emergency generator must submit the Recordkeeping Requirements to the Regional Enforcement Office within 30 days of the occurrence of the emergency event. [N.J.A.C. 7:27-22.16(o)]

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New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	NO _x (Total) <= 3.38 tons/yr. Annual emission limit based on the combined permitted hours per year of operation of all emergency generators in this emission unit, U2. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	CO <= 0.898 tons/yr. Annual emission limit based on the combined permitted hours per year of operation of all emergency generators in this emission unit, U2. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	TSP <= 0.0825 tons/yr. Annual emission limit based on the combined permitted hours per year of operation of all emergency generators in this emission unit, U2. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
10	PM-10 (Total) <= 0.061 tons/yr. Annual emission limit based on the combined permitted hours per year of operation of all emergency generators in this emission unit, U2. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
11	PM-2.5 (Total) <= 0.061 tons/yr based on PM-10 emissions. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
12	SO ₂ <= 0.32 tons/yr. Annual emission limit based on the combined permitted hours per year of operation of all emergency generators in this emission unit, U2. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
13	VOC (Total) <= 0.093 tons/yr. Annual emission limit based on the combined permitted hours per year of operation of all emergency generators in this emission unit, U2. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
14	Hours of Operation <= 100 hr/yr (per engine). 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(e)]	Hours of Operation: Recordkeeping by other recordkeeping method (provide description) 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.

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New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: U2 Three Emergency Generators, 5.86 MM Btu/hour Caterpillar, 7.62 MM Btu/hour each Cummins #1 and #2, Diesel Fuel

Operating Scenario: OS1 5.86 MM Btu/hour Emergency Generator, #2 Diesel Fuel, (Caterpillar)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 3.5 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	Maximum Gross Heat Input <= 5.86 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	NOx (Total) <= 18.78 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	CO <= 4.99 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	TSP <= 0.59 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	PM-10 (Total) <= 0.34 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	PM-2.5 (Total) <= 0.34 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	SO2 <= 1.78 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	VOC (Total) <= 0.48 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

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Facility Specific Requirements

Emission Unit: U2 Three Emergency Generators, 5.86 MM Btu/hour Caterpillar, 7.62 MM Btu/hour each Cummins #1 and #2, Diesel Fuel

Operating Scenario: OS2 7.62 MM Btu/hour Emergency Generator, #2 Diesel Fuel, (Cummins #1)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 4.6 lb/hr. Particulate emission limit, from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 7.62 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	NOx (Total) <= 24.38 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	CO <= 6.48 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	TSP <= 0.762 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	PM-10 (Total) <= 0.44 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	PM-2.5 (Total) <= 0.44 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	SO2 <= 2.31 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	VOC (Total) <= 0.624 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

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Facility Specific Requirements

Emission Unit: U2 Three Emergency Generators, 5.86 MM Btu/hour Caterpillar, 7.62 MM Btu/hour each Cummins #1 and #2, Diesel Fuel

Operating Scenario: OS3 7.62 MM Btu/hour Emergency Generator, #2 Diesel Fuel, (Cummins #2)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 4.6 lb/hr. Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 7.62 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	NOx (Total) <= 24.38 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	CO <= 6.48 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	TSP <= 0.762 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	PM-10 (Total) <= 0.44 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	PM-2.5 (Total) <= 0.44 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	SO2 <= 2.31 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	VOC (Total) <= 0.624 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

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

Emission Unit: U8 Fueling Station (4,000 gallon Compartmentalized Gasoline Storage Tank)

Operating Scenario: OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	VOC (Total) <= 1.3 tons/yr. Maximum emission rate based on maximum allowable annual throughput. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
2	Permittee's annual throughput limit is 5,200,000 gallons per year. [N.J.A.C. 7:27-22.16(a)]	Other: Permittee shall monitor monthly gasoline throughput by inspecting fuel flow totalizer on each pump.[N.J.A.C. 7:27-22.16(o)].	Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The permittee shall also record the actual throughput for each consecutive 12-month period. [N.J.A.C. 7:27-22.16(o)]	None.
3	Tank content limited to gasoline. [N.J.A.C. 7:27-22.16(a)]	None.	Recordkeeping by invoices / bills of lading / certificate of analysis per delivery. The permittee shall maintain records specifying each VOC stored and the vapor pressure of each VOC at standard conditions. [N.J.A.C. 7:27-16.2(s)]	None.
4	Above ground fuel storage tank exposed to the sun's rays must be painted white, except that this provision shall not apply to words and logograms applied to the external surface of the storage tank for purposes of identification provided such symbols do not cover more than 20 percent of the external surface area of the tank's sides and top or more than 200 square feet (18.6 square meters), whichever is less. [N.J.A.C. 7:27-16.2(b)1i]	None.	None.	None.
5	The transfer of gasoline into a receiving vessel shall be made through a submerged fill pipe. The submerged fill pipe shall be permanently affixed to the tank. [N.J.A.C. 7:27-16.3(c)1i]	None.	None.	None.

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
6	The tank shall be equipped with a Phase I vapor recovery system that reduces the total applicable VOC emissions into the outdoor atmosphere by no less than 98% of the concentration of applicable VOC by volume in the air-vapor mixture displaced during the transfer of gasoline. [N.J.A.C. 7:27-16.3(d)1]	None.	None.	None.
7	The tank shall be equipped with a pressure/vacuum relief valve on each atmospheric vent. [N.J.A.C. 7:27-16.3(d)2]	None.	None.	None.
8	The tank shall be equipped with a CARB-certified Phase I Enhanced Vapor Recovery system pressure/vacuum relief vent valve. [N.J.A.C. 7:27-16.3(d)3]	None.	None.	None.

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
9	<p>The tank shall be equipped with a CARB-certified Phase I enhanced vapor recovery (EVR) system, including a dual point vapor balance system, the components of which shall have been approved in one or more CARB-certified Phase I EVR System executive orders in effect at the time of installation, but the components need not all be approved in the same executive order. A Phase I vapor recovery system installed before December 23, 2017, shall comply with this paragraph on or before December 23, 2024. However, a Phase I VRS that is using a single point vapor balance system (coaxial) installed before December 23, 2017, is not required to install a dual point vapor balance system or rotatable adapters and does not need to comply with EVR requirements.</p> <p>[N.J.A.C. 7:27-16.3(d)4]</p>	None.	None.	None.
10	<p>During the transfer of gasoline into any gasoline-laden vehicular fuel tank, any person refueling a vehicle shall prevent overfilling and spillage and shall not allow the transfer of gasoline to continue after the nozzle automatic shut-off point.</p> <p>[N.J.A.C. 7:27-16.3(g)1]</p>	None.	None.	None.

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
11	Each nozzle shall be a CARB-certified enhanced conventional (ECO) nozzle in accordance with CARB certification procedure CP-207, as amended or supplemented. A gasoline dispensing facility installed before December 23, 2017, shall comply with this paragraph as a part of the decommissioning of a Phase II system, and each time a nozzle is replaced thereafter. If no nozzle is CARB-certified at the time of the installation, or nozzle replacement, a conventional nozzle may be installed. [N.J.A.C. 7:27-16.3(g)3]	None.	None.	None.
12	Each dispenser hose shall be a CARB-certified low permeation hose in accordance with CARB certification procedures CP-201 and CP-207 as amended or supplemented. A gasoline dispensing facility installed before December 23, 2017, shall comply with this paragraph as a part of the decommissioning of a Phase II system, and each time a dispenser hose is replaced thereafter. [N.J.A.C. 7:27-16.3(g)4]	None.	None.	None.

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
13	<p>The permittee shall perform tests in accordance with Table 3A of N.J.A.C. 7:27-16 to demonstrate that the facility's vapor recovery systems or equipment are performing properly.</p> <p>At least 14 days prior to performing any tests, the permittee shall notify the Department by e-mail to 14dayUSTnotice@dep.nj.gov and include the name, address, and registration number of the facility, name and contact information for the permittee, the name and contact information of the business conducting the testing, and the date on which the testing is scheduled to begin.</p> <p>[N.J.A.C. 7:27-16.3(j)]</p>	<p>Other: Each test required to be performed pursuant to N.J.A.C. 7:27-16.3(j)1 shall be conducted utilizing the applicable CARB test method cited in Table 3A of N.J.A.C. 7:27-16. The test methods cited in Table 3A are available at: https://www.arb.ca.gov/vapor/vapor.htm. A vapor recovery system or equipment shall be deemed to have passed the test if it meets the applicable performance standards and specifications set forth in CARB's Vapor Recovery Certification Procedures and/or Test Procedures, which are incorporated herein by reference. CARB's Vapor Recovery Certification and Testing Procedures may be downloaded from CARB's website at: https://www.arb.ca.gov/vapor/vapor.htm. [N.J.A.C. 7:27-16.3(j)].</p>	<p>Other: The permittee shall maintain the following records at the facility and have it accessible to the Department upon request:</p> <p>i. Documentation of the performance of each test required which must include date of the test, the time the test was conducted, the name of the testing company, the test method; and</p> <p>ii. Record of each test results of each test performed.</p> <p>On the day of the test, any vapor recovery system corrective action, repairs, or equipment replacement shall be recorded with the test results.</p> <p>[N.J.A.C. 7:27-16.3(t)2] & [N.J.A.C. 7:27-16.3(j)4].</p>	<p>Repair equipment: Upon occurrence of event. Upon failure of any test the permittee shall:</p> <p>i. Notify the Department in writing within 72 hours of the failure. Such notification shall be submitted to the Department by email at 14dayUSTnotice@dep.nj.gov and include in the email, the name, address, and registration number of the facility, name and contact information for the owner and operator, the name and contact information of the business conducting the testing, the date the testing was conducted, and the results of the testing using the forms in the applicable CARB method.</p> <p>ii Have the system repaired and retested within 14 days of failure of the test. Upon failure of the retest, the permittee shall notify the Department in writing within 72 hours of the failure. Such notification shall be submitted by email at 14dayUSTnotice@dep.nj.gov including in the email the same information requested above.</p> <p>The system shall be repaired and retested in accordance with a compliance plan approved by the Department. [N.J.A.C. 7:27-16.3(j)]</p>
14	<p>Any delivery vessel except railroad tank cars or marine tank vessels with a maximum capacity of 2,000 gallons or greater shall have a certification affixed to the vessel in a prominent location which indicates the identification number of the vessel and the date the vessel last passed the pressure and vacuum tests. [N.J.A.C. 7:27-16.3(k)3]</p>	<p>None.</p>	<p>Other: Keep a record of certification with the delivery vessel at all times and make it available upon request. The record of certification shall include the name and address of the delivery vessel owner; the delivery vessel identification number; and, for each test performed, the test method used, the testing location, date of test, tester's name and signature, and test results. [N.J.A.C. 7:27-16.3(k)4].</p>	<p>None.</p>

BOP200001

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
15	The permittee shall not conduct the transfer of gasoline into delivery vessels which are under a pressure in excess of 18 inches of water, or from delivery vessels under a vacuum in excess of 6 inches of water. [N.J.A.C. 7:27-16.3(l)]	None.	None.	None.
16	The permittee shall not transfer gasoline in a delivery vessel having a maximum capacity of 2,000 gallons or greater unless such vessel is vapor-tight at all times while containing any VOC except during periods of emergency conditions, gauging, or venting through a vapor control system approved by the Department. [N.J.A.C. 7:27-16.3(m)]	None.	None.	None.
17	The permittee shall not transfer gasoline if the delivery vessel being loaded or unloaded, any control apparatus or other equipment serving the transfer operation has a leak that results in a concentration of VOC greater than or equal to 100% LEL of propane when measured at a distance of 1.0 inch from the location of the leak. [N.J.A.C. 7:27-16.3(p)1i]	None.	None.	None.
18	The permittee shall not transfer gasoline if the delivery vessel being loaded or unloaded, any control apparatus, or other equipment serving the transfer operation has a liquid leak. [N.J.A.C. 7:27-16.3(p)1ii]	None.	None.	None.
19	The permittee shall not transfer gasoline if any component of the delivery vessel designed for preventing the release of gasoline vapors is not installed and operating as designed. [N.J.A.C. 7:27-16.3(p)2]	None.	None.	None.
20	The permittee shall not transfer gasoline if the continued transfer would result in a liquid gasoline spill. [N.J.A.C. 7:27-16.3(p)3]	None.	None.	None.

WOODBINE DEVELOPMENTAL CTR (73241)
BOP200001

Date: 3/2/2025

New Jersey Department of Environmental Protection
Facility Profile (General)

Facility Name (AIMS): WOODBINE DEVELOPMENTAL CTR

Facility ID (AIMS): 73241

Street 1175 DEHIRSCH AVE
Address: WOODBINE, NJ 08270

Mailing 1175 DEHIRSCH AVE
Address: WOODBINE, NJ 08270

County: Cape May
Location On the corner of DeHirsch Avenue and
Description: Heilprin Avenue

State Plane Coordinates:	
X-Coordinate:	406,125
Y-Coordinate:	146,261
Units:	Feet
Datum:	NAD83
Source Org.:	DEP-Program
Source Type:	DEP Program Database

Industry:	
Primary SIC:	9431
Secondary SIC:	
NAICS:	923120

New Jersey Department of Environmental Protection
Facility Profile (General)

Contact Type: Air Permit Information Contact

Organization: Woodbine Developmental Center

Org. Type: State

Name: Juan C. Perez

NJ EIN: 23720833900

Title: Engineer in Charge

Phone: (609) 861-6021 x

Mailing Address: 1175 Dehirsch Avenue

Fax: (609) 861-5176 x

Woodbine, NJ 08270

Other: () - x

Type:

Email: Juan.C.Perez@dhs.nj.gov

Contact Type: Consultant

Organization:

Org. Type:

Name: Donna Hegge

NJ EIN:

Title: Project Manager

Phone: (800) 701-9369 x

Mailing Address: 2570 Morris Road

Fax: () - x

Suite A101

Other: () - x

Lansdale, PA 19446

Type:

Email: dhegge@complianceplace.com

Contact Type: Fees/Billing Contact

Organization: Woodbine Developmental Center

Org. Type: State

Name: Juan C. Perez

NJ EIN: 23720833900

Title: Engineer in Charge

Phone: (609) 861-6021 x

Mailing Address: 1175 Dehirsch Avenue

Fax: (609) 861-5176 x

Woodbine, NJ 08270

Other: () - x

Type:

Email: Juan.C.Perez@dhs.nj.gov

WOODBINE DEVELOPMENTAL CTR (73241)
BOP200001

Date: 3/2/2025

New Jersey Department of Environmental Protection
Facility Profile (General)

Contact Type: Responsible Official

Organization: Woodbine Developmental Center

Org. Type: State

Name: Michael Kelly

NJ EIN: 23720833900

Title: Chief Executive Officer

Phone: (609) 861-6040 x

Mailing 1175 Dehirsch Avenue

Fax: (609) 861-5176 x

Address: Woodbine, NJ 08270

Other: () - x

Type:

Email: michael.kelly@dhs.nj.gov

WOODBINE DEVELOPMENTAL CTR (73241)
BOP200001

Date: 03/02/2025

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											
Total			0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.00000000	0.000

New Jersey Department of Environmental Protection
Insignificant Source Emissions

IS NJID	Source/Group Description	Equipment Type	Location Description	Estimate of Emissions (tpy)								
				VOC (Total)	NOx	CO	SO	TSP	PM-10	Pb	HAPS (Total)	Other (Total)
IS1	6,000 gallon Diesel Fuel Tank, AST	Storage Vessel	Power House	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.00000000	0.000
IS2	2,000 gallon Diesel Fuel Tank, AST	Storage Vessel	Fuel Facility - DeHir	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.00000000	0.000
IS3	Diesel Fuel Tank C-19 for Emergency Generators (less than 10,000 gallons)	Storage Vessel	C-19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.00000000	0.000
IS4	Two 500 and 275 gallons #2 Fuel Oil Tanks, AST	Storage Vessel	Power House	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.00000000	0.000
IS5	Two Diesel Fuel Tanks (less than 10,000 gallons), AST	Storage Vessel	Grounds Building and Paint Shop	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.00000000	0.000
IS6	Small Boilers for Shop Heat (less than 1 MM Btu/hour) firing fuel oil.	Boiler	Grounds Building and Paint Shop	0.002	0.054	0.014	0.001	0.005	0.003	0.000	0.00013574	0.000
IS7	Two 20,000 gallon Fuel Oil #2 Tanks, AST	Storage Vessel	Power House	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.00000000	0.000
IS8	Safety-Kleen Model 90.1 aqueous parts washer	Cleaning Machine (Open Top: Cold)	Mechanic Shop	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.00000000	0.000
IS9	Surge Tank	Other Equipment	WWTF (Waste water treatment facility)	0.011	0.000	0.000	0.000	0.000	0.000	0.000	0.00300000	0.000

New Jersey Department of Environmental Protection
Insignificant Source Emissions

IS NJID	Source/Group Description	Equipment Type	Location Description	Estimate of Emissions (tpy)								
				VOC (Total)	NOx	CO	SO	TSP	PM-10	Pb	HAPS (Total)	Other (Total)
IS10	Activated Sludge Process	Other Equipment	WWTF (Waste water treatment facility)	0.011	0.000	0.000	0.000	0.000	0.000	0.000	0.00300000	7.890
IS11	Clarifier	Other Equipment	WWTF (Waste water treatment facility)	0.011	0.000	0.000	0.000	0.000	0.000	0.000	0.00300000	0.000
IS12	Digester (aerobic)	Other Equipment	WWTF (Waste water treatment facility)	0.011	0.000	0.000	0.000	0.000	0.000	0.000	0.00300000	14.660
IS13	Chlorine Contact Operation	Other Equipment	WWTF (Waste water treatment facility)	0.011	0.000	0.000	0.000	0.000	0.000	0.000	0.00300000	0.000
IS14	Effluent Storage Lagoons (2)	Storage Vessel	WWTF (Waste water treatment facility)	0.011	0.000	0.000	0.000	0.000	0.000	0.000	0.00300000	0.000
Total				0.080	0.054	0.014	0.001	0.005	0.003	0.000	0.01813574	22.550

**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	Caterpillar	500 kW Emergency Generator	Emergency Generator	PCP000001	6/1/1973	No		
E9	Cummins #1	Cummins Generator #1	Emergency Generator	PCP000001	12/31/2000	No		
E10	Cummins #2	Cummins Generator #2	Emergency Generator	PCP000001	12/31/2000	No		
E13	Fueling St.	4,000 gallon Gasoline Tank	Storage Vessel	GEN010002	1/16/2001	No		
E90	Boiler 1	Cleaver Brooks Watertube	Boiler	BOP090001	9/1/2009	No		
E92	Boiler 2	Cleaver Brooks - 700 HP Firetube	Boiler	BOP180001	1/1/2011	No		
E93	Boiler 3	Cleaver Brooks - 500 HP Firetube	Boiler	BOP180001	1/1/2011	No		

73241 WOODBINE DEVELOPMENTAL CTR BOP200001 E4 (Emergency Generator)
Print Date: 11/8/2024

Make: Caterpillar
Manufacturer: Caterpillar
Model: D-348

Maximum rated Gross Heat
Input (MMBtu/hr-HHV): 5.86

Will the equipment be used
in excess of 500 hours per
year?
☐ Yes
☒ No

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

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

Comments:

73241 WOODBINE DEVELOPMENTAL CTR BOP200001 E9 (Emergency Generator)
Print Date: 11/8/2024

Make:	<input type="text" value="Cummins"/>
Manufacturer:	<input type="text"/>
Model:	<input type="text" value="KTA-2300-G"/>
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	<input type="text" value="7.62"/>
Will the equipment be used in excess of 500 hours per year?	<input type="radio"/> Yes <input checked="" type="radio"/> No
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="radio"/> Yes <input checked="" type="radio"/> No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="radio"/> Yes <input checked="" type="radio"/> No
Comments:	

Make:	<input type="text" value="Cummins"/>		
Manufacturer:	<input type="text"/>		
Model:	<input type="text" value="KTA-2300-G"/>		
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	<input type="text" value="7.62"/>		
Will the equipment be used in excess of 500 hours per year?	<input type="radio"/> Yes <input checked="" type="radio"/> No		
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="radio"/> Yes <input checked="" type="radio"/> No	Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="radio"/> Yes <input checked="" type="radio"/> No
Comments:	<input type="text"/>		

73241 WOODBINE DEVELOPMENTAL CTR BOP200001 E13 (Storage Vessel)

Print Date: 11/8/2024

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

Liquids Only

Storage Vessel Type:

Tank

Design Capacity:

4,000

Units:

gallons

Ground Location:

Above Ground

Is the Shell of the Equipment

Yes

Exposed to Sunlight?

Shell Color:

White

Description (if other):

Shell Condition:

Paint Condition:

Good

Shell Construction:

Is the Shell Insulated?

No

Type of Insulation:

Insulation Thickness (in):

Thermal Conductivity of Insulation
[(BTU)(in)(hr)(ft²)(deg F)]:

Shape of Storage Vessel:

Rectangular

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

16.00

Length (ft):

17.00

Width (ft):

8.00

Diameter (ft):

Other Dimension

Description:

Height (From Bottom of Tank to Top of Tank)

Value:

7.00

Units:

ft

Fill Method:

Top Pipe

Description (if other):

Maximum Design Fill Rate:

85.00

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?

Does the storage vessel

73241 WOODBINE DEVELOPMENTAL CTR BOP200001 E13 (Storage Vessel)

Print Date: 11/8/2024

Does the storage vessel
have a Conservation Vent?

Yes ▼

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

Yes ▼

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

No ▼

Comments:

The Stage II vapor recovery system was decommissioned on 5/19/2019. The unit is equipped with a CARB certified, Stage I vapor recovery system, with dual point control.

73241 WOODBINE DEVELOPMENTAL CTR BOP200001 E90 (Boiler)
Print Date: 11/8/2024

Make:	Nebraska
Manufacturer:	NATCOM
Model:	CP-NB-200D-55-250-AL-LH-00-100-SAT-NAT
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	55.00
Boiler Type:	Water Tube
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	40,000.00
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:	<input checked="" type="checkbox"/> Type: NATCOM - PPM 30
Staged Air Combustion:	<input type="checkbox"/>
Flue Gas Recirculation (FGR):	<input checked="" type="checkbox"/> Amount (%): 30.00

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: FGR & MMBtu/hr vary per fuel type (FGR: Methane & NG = 30%, FO = 100%) (MMBtu/hr: LFG = 30.5, NG/FO = 49.9)

73241 WOODBINE DEVELOPMENTAL CTR BOP200001 E92 (Boiler)
Print Date: 11/8/2024

Make:	TBD
Manufacturer:	Cleaver Brooks or Equivalent
Model:	TBD
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	28.60
Boiler Type:	Fire Tube
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	24,000.00
Fuel Firing Method:	Other firing method
Description (if other):	Integral Multi-Port
Draft Type:	Forced
Heat Exchange Type:	Indirect

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

Low NOx Burner:	<input checked="" type="checkbox"/> Type: CB - PPM 30
Staged Air Combustion:	<input type="checkbox"/>
Flue Gas Recirculation (FGR):	<input checked="" type="checkbox"/> Amount (%): 70.00

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: FGR varies per fuel type (Methane & NG = 70%, FO = 46%)

73241 WOODBINE DEVELOPMENTAL CTR BOP200001 E93 (Boiler)
Print Date: 11/8/2024

Make:	TBD
Manufacturer:	Cleaver Brooks or Equivalent
Model:	TBD
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	21.23
Boiler Type:	Fire Tube
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	17,000.00
Fuel Firing Method:	Other firing method
Description (if other):	Integral Multi-Port
Draft Type:	Forced
Heat Exchange Type:	Indirect

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

Low NOx Burner:	<input checked="" type="checkbox"/> Type: CB - PPM 30
Staged Air Combustion:	<input type="checkbox"/>
Flue Gas Recirculation (FGR):	<input checked="" type="checkbox"/> Amount (%): 74.80

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: FGR varies per fuel type (FO & NG = 74.8%, Methane = 45%)

WOODBINE DEVELOPMENTAL CTR (73241)

Date: 3/2/2025

BOP200001

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.		
PT2	CAT	Stack for 500 kW Emergency Generator	Round	5	35	250	550.0	500.0	600.0	2,180.0	2,072.0	2,288.0	Up	
PT7	Cummins #1	Stack for Emergency Generator Cummins #1	Round	6	35	250	550.0	500.0	600.0	2,774.0	2,636.0	2,911.0	Up	
PT8	Cummins #2	Stack for Emergency Generator Cummins #2	Round	6	35	250	550.0	500.0	600.0	2,774.0	2,636.0	2,911.0	Up	
PT11	Fueling St.	Stack for 4,000 gallon Tank, Gasoline	Round	3	18	50							Up	
PT12	Stack-1	Boiler #1 Stack (New)	Rectangle	58	65	200	425.0	68.0	600.0	22,000.0	0.0	38,338.0	Up	
PT13	Stack-2	Boiler #2 Stack (New)	Round	38	65	200	425.0	68.0	600.0	8,802.0	8,757.0	9,693.0	Up	
PT14	Stack-3	Boiler #3 Stack (new)	Round	32	65	200	425.0	68.0	600.0	6,440.0	6,407.0	7,092.0	Up	

WOODBINE DEVELOPMENTAL CTR (73241)
BOP200001

Date: 3/2/2025

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

U 1 3 Boilers Three Boilers firing Natural gas, #2 Fuel oil, and Landfill gas (Boiler #1-49.9 MMBtu/hr, Boiler #2-28.6 MMBtu/hr & Boiler #3-21.229 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	Boiler 1 NG	49.9 MMBtu/hr Boiler #1 firing Natural gas	Normal - Steady State	E90		PT12	1-03-006-02	0.0	8,760.0		0.0	22,000.0	68.0	600.0
OS2	Boiler 1 FO	49.9 MMBtu/hr Boiler #1 firing No. 2 Fuel oil	Normal - Steady State	E90		PT12	1-03-005-02	0.0	8,760.0		0.0	22,000.0	68.0	600.0
OS3	Boiler 1 LFG	30.5 MMBtu/hr Boiler #1 firing Landfill gas.	Normal - Steady State	E90		PT12	1-03-008-11	0.0	8,760.0		0.0	38,500.0	68.0	600.0
OS4	Boiler 2 NG	28.2 MMBtu/hr Boiler #2 (700 HP Cleaver Brooks) firing Natural gas.	Normal - Steady State	E92		PT13	1-03-006-02	0.0	8,760.0		0.0	8,802.0	68.0	600.0
OS5	Boiler 2 FO	28.6 MMBtu/hr Boiler #2 (700 HP Cleaver Brooks) firing No.2 Fuel oil.	Normal - Steady State	E92		PT13	1-03-005-02	0.0	8,760.0		0.0	8,757.0	68.0	600.0
OS6	Boiler 2 LFG	28.2 MMBtu/hr Boiler #2 (700 HP Cleaver Brooks) firing Landfill gas.	Normal - Steady State	E92		PT13	1-03-008-11	0.0	8,760.0		0.0	9,693.0	68.0	600.0
OS7	Boiler 3 NG	20.925 MMBtu/hr Boiler #3 (500 HP Cleaver Brooks)firing Natural gas.	Normal - Steady State	E93		PT14	1-03-006-02	0.0	8,760.0		0.0	6,440.0	68.0	600.0
OS8	Boiler 3 FO	21.229 MMBtu/hr Boiler #3 (500 HP Cleaver Brooks) firing No. 2 Fuel oil.	Normal - Steady State	E93		PT14	1-03-005-02	0.0	8,760.0		0.0	6,407.0	68.0	600.0
OS9	Boiler 3 LFG	20.2 MMBtu/hr Boiler #3 (500 HP Cleaver Brooks) firing Landfill gas.	Normal - Steady State	E93		PT14	1-03-008-11	0.0	8,760.0		0.0	7,092.0	68.0	600.0

WOODBINE DEVELOPMENTAL CTR (73241)
BOP200001

Date: 3/2/2025

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

U 2 3 Em. Gen. Three Emergency Generators, 5.86 MM Btu/hour Caterpillar, 7.62 MM Btu/hour each Cummins #1 and #2, Diesel Fuel

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	Caterpillar	5.86 MM Btu/hour Emergency Generator, #2 Diesel Fuel, (Caterpillar)	Normal - Steady State	E4		PT2		0.0	100.0		2,072.0	2,288.0	500.0	600.0
OS2	Cummins #1	7.62 MM Btu/hour Emergency Generator, #2 Diesel Fuel, (Cummins #1)	Normal - Steady State	E9		PT7		0.0	100.0		2,636.0	2,911.0	500.0	600.0
OS3	Cummins #2	7.62 MM Btu/hour Emergency Generator, #2 Diesel Fuel, (Cummins #2)	Normal - Steady State	E10		PT8		0.0	100.0		2,636.0	2,911.0	500.0	600.0

U 8 Gasoline Dis Fueling Station (4,000 gallon Compartmentalized Gasoline Storage Tank)

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS1	Gasoline Dis	Fueling Station (4,000 gallon Compartmentalized Gasoline Storage Tank)	Normal - Steady State	E13		PT11								

Date: 3/2/2025

**New Jersey Department of Environmental Protection
Subject Item Group Inventory**

Group NJID: GR1 BLRs_f#2FO

Members:

Type	ID	OS	Step
IS	IS6		
U	U 1	OS2 Boiler 1 FO	
U	U 1	OS5 Boiler 2 FO	
U	U 1	OS8 Boiler 3 FO	

Formal Reason(s) for Group/Cap:

☒ Other

Other (explain): Consolidate MACT Subpart A and Subpart JJJJJ requirements at one place.

Condition/Requirements that will be complied with or are no longer applicable as a result of this Group:

Operating Circumstances: