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 with Significant Modification

Permit Activity Number: BOP180001 **Program Interest Number: 21351**

Mailing Address	Plant Location
GEOFFREY PERSELAY DEPUTY COUNTY ADMINISTRATOR MONMOUTH CNTY HALL OF RECORDS ANNEX 1 E MAIN ST Freehold, NJ 07728	MONMOUTH COUNTY RECLAMATION CENTER 6000 Asbury Ave Tinton Falls Monmouth County

Initial Operating Permit Approval Date: **March 30, 2004**

Operating Permit Approval Date: **DRAFT**

Operating Permit Expiration Date: **TBD (Operating Under Application Shield)**

AUTHORITY AND APPLICABILITY

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

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

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

PERMIT SHIELD

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

COMPLIANCE SCHEDULES

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

COMPLIANCE CERTIFICATIONS AND DEVIATION REPORTS

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

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

ACCESSING PERMITS

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

HELPLINE

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

RENEWING YOUR OPERATING PERMIT AND APPLICATION SHIELD

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

COMPLIANCE ASSURANCE MONITORING

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

ADMINISTRATIVE HEARING REQUEST

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

If you have any questions regarding this permit approval, please call Nipul Patel at (609) 777-2858.

Approved by:

_____
Shafi Ahmed

Enclosure

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

Facility Name: MONMOUTH COUNTY RECLAMATION CENTER
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Section A

Facility Name: MONMOUTH COUNTY RECLAMATION CENTER
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POLLUTANT EMISSIONS SUMMARY

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

Facility's Potential Emissions from all Significant Source Operations (tons per year)										
Source Categories	VOC (total)	NO_x	CO	SO_2	TSP (total)	PM_{10} (total)	$PM_{2.5}$ (total)	Pb	HAPs* (total)	CO_2e[2]
Emission Units Summary	30.47	57.92	137.04	66.51	31.81	24.05	19.7	N/A	4.0932	
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	30.47	57.92	137.04	66.51	31.81	24.05	19.7	N/A	4.0932	601,960

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

Emissions from all Insignificant Source Operations and Non-Source Fugitive Emissions (tons per year)									
Source Categories	VOC (total)	NO_x	CO	SO_2	TSP (total)	PM_{10} (total)	$PM_{2.5}$ (total)	Pb	HAPs (total)
Insignificant Source Operations	0.21	3.67	2.84	0.18	0.22	0.19	0.19	N/A	N/A
Non-Source Fugitive Emissions	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

VOC: Volatile Organic Compounds
NOx: Nitrogen Oxides
CO: Carbon Monoxide
SO_2: Sulfur Dioxide
TSP: Total Suspended Particulates
Other: Any other air contaminant regulated under the Federal CAA
PM_{10}: Particulates under 10 microns
$PM_{2.5}$: Particulates under 2.5 microns
Pb: Lead
HAPs: Hazardous Air Pollutants
CO_2e: Carbon Dioxide equivalent
N/A: Indicates the pollutant is not emitted or is emitted below the reporting threshold specified in N.J.A.C. 7:27-22, Appendix, Table A and N.J.A.C. 7:27-17.9(a).

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

[1] Significant Source Operations and Insignificant Source Operations are defined at N.J.A.C. 7:27-22.1.
[2] Total CO_2e emissions for the facility.

Section A

Facility Name: MONMOUTH COUNTY RECLAMATION CENTER
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POLLUTANT EMISSIONS SUMMARY

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

HAP	TPY
Acrylonitrile	0.00736
Benzene	0.06
1,2-Dichloroethane	0.0402
Ethylbenzene	0.357
Formaldehyde	0.0001
HCl	1.88
Tetrachloroethane (1,1,2,2-)	0.0045
Trichloroethene	0.0073
Vinyl Chloride	0.0167

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

Other Air Contaminant	TPY
Methane	8602.1
H2S	3.854

[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: MONMOUTH COUNTY RECLAMATION CENTER
Program Interest Number: 21351
Permit Activity Number: BOP180001

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. 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.

26. 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").

Section C

Facility Name: MONMOUTH COUNTY RECLAMATION CENTER
Program Interest Number: 21351
Permit Activity Number: BOP180001

STATE-ONLY APPLICABLE REQUIREMENTS

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

STATE-ONLY APPLICABLE REQUIREMENTS

The following applicable requirements are not federally enforceable:

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

Section D

Facility Name: MONMOUTH COUNTY RECLAMATION CENTER
Program Interest Number: 21351
Permit Activity Number: BOP180001

FACILITY SPECIFIC REQUIREMENTS AND INVENTORIES

FACILITY SPECIFIC REQUIREMENTS PAGE INDEX

		Shredder Building, Subject to MACT 40 CFR 63 Subparts A & ZZZZ	
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U9	Leach PT Emg	Leachate Diesel-Fired Emergency Generator, 800 Kw, 9.44 MMBtu/hr	100
U10	LeachCollSys	Leachate Collection System Vents #1, #2, & #3	108
U12	PumpSta#4	Pump Station No. 4 Vent, controlled by carbon adsorber CD13	110
U13	LoadPumpSta	Loading Facility Pump Station, controlled by carbon adsorber CD14	112
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MONMOUTH COUNTY RECLAMATION CENTER (21351)
BOP180001

Date: 3/28/2024

New Jersey Department of Environmental Protection
Reason for Application

Permit Being Modified

Permit Class: BOP **Number:** 200001

Description of Modifications: 5-Year Permit Renewal

New Jersey Department of Environmental Protection
Facility Specific Requirements

Subject Item: **FC**

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

New Jersey Department of Environmental Protection
Facility Specific Requirements

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

New Jersey Department of Environmental Protection
Facility Specific Requirements

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

New Jersey Department of Environmental Protection
Facility Specific Requirements

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

New Jersey Department of Environmental Protection
Facility Specific Requirements

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

New Jersey Department of Environmental Protection
Facility Specific Requirements

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

New Jersey Department of Environmental Protection
Facility Specific Requirements

Subject Item: **IS2 Misc. Fuel Combustion < 1 MMBtu/hr**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Opacity <= 20 %. Visible emissions from stationary internal combustion engines no greater than 20%, exclusive of condensed water vapor, except for a period of not longer than 10 consecutive seconds. [N.J.A.C. 7:27- 3.5]	Opacity: Monitored by ic visual inspections. [N.J.A.C. 7:27-6.2(d)] &[N.J.A.C. 7:27-6.2(e)].	None.	None.
2	Sulfur Content in Fuel <= 15 ppmw (0.0015% by weight). [N.J.A.C. 7:27-9.2(b)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	None.
3	Fuel stored in New Jersey that met the applicable maximum sulfur content standard of Tables 1A or 1B of N.J.A.C. 7:27-9.2 at the time it was stored in New Jersey may be used in New Jersey after the operative date of the applicable standard in Table 1B. [N.J.A.C. 7:27- 9.2(b)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Subject Item: **IS4 Doppstadt Engine**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Opacity <= 20 %. No person shall cause, suffer, allow or permit the smoke shade or appearance of which is darker than number 1 on the Ringelmann smoke chart or greater than 20% opacity, exclusive of visible condensed vapor to be emitted into the outdoor air from the combustion of fuel for a period of cosecutive 10 seconds. [N.J.A.C. 7:27- 3.5]	Opacity: Monitored by visual determination each month during operation, based on an instantaneous determination. The permittee shall conduct the visual inspection during daylight hours. Visual inspections shall consist of a visual survey to identify if the stacks have visible emissions (other than condensed water vapor) greater than 20%. 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 manufacturers 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. If visible emissions are observed and 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 tests shall be conducted each operating day until corrective action is taken to successfully correct the opacity problem. [N.J.A.C. 7:27- 3.6]	Opacity: Recordkeeping by tee shall maintain the following records: (1) Date and time of the inspection; (2) Emission point number; (3) Operational status of equipment; (4) Observed results and conclusions; (5) Description of corrective actions taken if necessary; (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)].	Conduct an inspection: Upon occurrence of event. If visible emissions are observed, the permittee shall verify that the equipment and/or control device causing the emission is operating according to manufacturer's specifications and the compliance plan. If the equipment or control device is not operating properly, the permittee shall take corrective action immediately to eliminate the excess emissions. [N.J.A.C. 7:27-21.16(o)]
2	Particulate Emissions <= 0.05 lb/hr. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
3	Sulfur Content in Fuel <= 15 ppmw (0.0015% by weight). [N.J.A.C. 7:27-9.2(b)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records once per bulk fuel shipment. [N.J.A.C. 7:27- 9.2(b)]	Records of the name of the oil supplier and a statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil as specified at 40 CFR Part 60.41c shall be maintained. Sulfur Content in Fuel: Recordkeeping by fuel certification receipts once per bulk fuel shipment. [N.J.A.C. 7:27- 9.2(b)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
4	Fuel stored in New Jersey that met the applicable maximum sulfur content standard of Tables 1A or 1B of N.J.A.C. 7:27-9.2 at the time it was stored in New Jersey may be used in New Jersey after the operative date of the applicable standard in Table 1B. [N.J.A.C. 7:27- 9.2(b)]	None.	None.	None.
5	Maximum Gross Heat Input <= 0.5 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	Other: Fuel burner rated capacity.[N.J.A.C. 7:27-22.16(o)].	None.	None.
6	Hours of Operation <= 2,500 hr/yr. [N.J.A.C. 7:27-22.16(a)]	Hours of Operation: Monitored by hour/time monitor continuously, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	Hours of Operation: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.
7	Fuel Oil Usage <= 9,000 gal/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	CO <= 0.47 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	NOx (Total) <= 0.42 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
10	VOC (Total) <= 0.05 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
11	SO2 <= 0.13 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
12	TSP <= 0.05 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
13	PM-10 (Total) <= 0.05 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
14	PM-2.5 (Total) <= 0.05 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

IS4 Doppstadt Engine

New Jersey Department of Environmental Protection
Facility Specific Requirements

Subject Item: **IS5 Maintenance Building Heaters**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	The fuel used in all eleven maintenance building space heaters shall be diesel, containing applicable allowable Sulfur content prevailing at time of operation. [N.J.A.C. 7:27-22.16(a)]	Monitored by documentation of construction once initially. [N.J.A.C. 7:27-22.16(o)]	None.	None.
2	Equipment (eleven heaters) shall be maintained and operated as per manufacturer's operational and maintenance manual. [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. [N.J.A.C. 7:27-22.16(o)]	None.
3	Sulfur Content in Fuel <= 15 ppmw (0.0015% by weight). [N.J.A.C. 7:27-9.2(b)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	None.
4	Fuel stored in New Jersey that met the applicable maximum sulfur content standard of Tables 1A or 1B of N.J.A.C. 7:27-9.2 at the time it was stored in New Jersey may be used in New Jersey after the operative date of the applicable standard in Table 1B. [N.J.A.C. 7:27- 9.2(b)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Subject Item: **IS6 Vehicle Wash Boilers/Heaters**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	The fuel used in two boilers and nine space heaters shall be natural gas. [N.J.A.C. 7:27-22.16(a)]	Monitored by documentation of construction once initially. [N.J.A.C. 7:27-22.16(o)]	None.	None.
2	Equipment (Two boilers and nine space heaters) shall be maintained and operated as per manufacturer's operational and maintenance manual. [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. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Subject Item: **GR1 NSPS 40 CFR 60 Subpart A General Provisions Municipal Solid Waste Landfills for U1, U2 and U3**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	SUMMARY OF FEDERAL REGULATION: * NSPS 40 CFR 60, Subpart A - General Provisions [40 CFR Federal Rules Summary]	None.	None.	None.
2	All requests, reports, applications, submittals, and other communications required by 40 CFR 60 shall be submitted in duplicate to the EPA Region II Administrator. (NSPS 40 CFR 60 Subpart A - General Provisions). [40 CFR 60.4(a)]	None.	None.	Other (provide description): As per the approved schedule , submit reports to EPA Region II as required by 40 CFR 60. Submit Information to: Director, Air and Waste Management Division, US Environmental Protection Agency, Region II, 290 Broadway, New York, NY 10007-1866. [40 CFR 60.4(a)]
3	Submit a copy of all requests, reports, applications, submittals, and other communication required by 40 CFR 60 to the Central Regional Enforcement Office of NJDEP. (NSPS 40 CFR 60 Subpart A - General Provisions). [40 CFR 60.4(b)]	None.	None.	Other (provide description): As per the approved schedule , submit reports to Central Regional Office as required by 40 CFR 60. Submit Information to: Central Regional Office, NJDEP, 22 South Clinton Avenue, 4 Station Plaza, P.O. Box 407, Trenton, NJ 08625-0407. [40 CFR 60.4(b)]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
4	A 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). This notice shall be postmarked 60 days or as soon as practicable before the change is commenced and shall include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The Administrator may request additional relevant information subsequent to this notice. (NSPS 40 CFR 60 Subpart A - General Provisions). [40 CFR 60.7(a)(4)]	None.	None.	Comply with the requirement: Upon occurrence of event submit notification to EPA Region II and the Central Regional Office per 40 CFR 60.7. [40 CFR 60.7(a)(4)]
5	Any owner or operator subject to the provisions of this part shall maintain records of the occurrence and duration of any start-up, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative. (NSPS 40 CFR 60 Subpart A - General Provisions). [40 CFR 60.7(b)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. [40 CFR 60.7(b)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
6	Each owner or operator required to install a continuous monitoring system (CMS) or monitoring device shall submit an excess emissions and monitoring systems performance report (excess emissions are defined in applicable subparts) and/or a summary report form (see section 60.7(d)) to the Administrator semiannually, except when: more frequent reporting is specifically required by an applicable subpart; or the CMS data are to be used directly for compliance determination, in which case quarterly reports shall be submitted; or the Administrator, on a case-by-case basis, determines that more frequent reporting is necessary to accurately assess the compliance status of the source. All reports shall be postmarked by the 30th day following the end of each calendar half (or quarter, as appropriate). (NSPS 40 CFR 60 Subpart A - General Provisions). [40 CFR 60.7(c)]	Other: Perform monitoring in accordance with 40 CFR 60.13.[40 CFR 60.7(c)].	Other: Written reports of excess emissions shall include the following information: (1) The magnitude of excess emissions computed in accordance with section 60.13(h), any conversion factor(s) used, and the date and time of commencement and completion of each time period and excess emissions. The process operating time during the reporting period. (2) Specific identification of each period of excess emissions that occurs during startups, shutdowns, and malfunctions of the affected facility. The nature and cause of any malfunction (if known), the corrective action taken or preventative measures adopted. (3) The date and time identifying each period during which the continuous monitoring system was inoperative except for zero and span checks and the nature of the system repairs or adjustments. (4) When no excess emissions have occurred or the continuous monitoring system(s) have not been inoperative, repaired, or adjusted, such information shall be stated in the report.[40 CFR 60.7(c)].	Submit a report: Semi-annually on January 31 and July 31 of each year. The reports shall be submitted to the EPA Region II Administrator, the NJDEP Central Regional Office and Chief, Bureau of Technical Services, NJDEP, P.O. Box - 411, Trenton, NJ 08625-0411. [40 CFR 60.7(c)]
7	Any owner or operator subject to the provisions of this part shall maintain a file of 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; adjustments and maintenance performed on these systems or devices ; and all other information required by this part recorded in a permanent form suitable for inspection. (NSPS 40 CFR 60 Subpart A - General Provisions). [40 CFR 60.7(f)]	None.	Other: See Applicable Requirement[40 CFR 60.7(f)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
8	At all times, including periods of start-up, shutdown, and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, opacity observations, review of operation and maintenance procedures, and inspection of the source. (NSPS 40 CFR 60 Subpart A - General Provisions). [40 CFR 60.11(d)]	None.	None.	None.
9	No owner or operator subject to the provisions of this part 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 40 CFR 60 Subpart A - General Provisions). [40 CFR 60.12]	None.	None.	None.
10	All continuous monitoring systems or monitoring devices shall be installed such that representative process parameters from the affected facility are obtained. Additional procedures for location of continuous monitoring system contained in the applicable Performance Specifications of Appendix B of 40 CFR 60 shall be used. (NSPS 40 CFR 60 Subpart A - General Provisions). [40 CFR 60.13(f)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
11	The owner or operator shall reduce all continuous monitoring systems (other than opacity) data to 1-hour averages which shall be computed from four or more data points equally spaced over each 1-hour period. Data recorded during periods of continuous monitoring system breakdowns,repairs, calibration checks, and zero and span adjustments shall not be included in the data averages computed under this paragraph. An arithmetic or integrated average of all data may be used. The data may be recorded in reduced or nonreduced form (e.g., ppm pollutant and percent O2 or ng/J of pollutant). All exceedances shall be converted into units of the standard using the applicable conversion procedures specified in subparts. After conversion into units of standard, the data may be rounded to the same number of significant digits as used in the applicable subparts to specify the emission limit. (NSPS 40 CFR 60 Subpart A - General Provisions). [40 CFR 60.13(h)]	None.	Other: See Applicable Requirement.[40 CFR 60.13(h)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Subject Item: **GR2 NSPS 40 CFR 60 Subpart OOO Municipal Solid Waste Landfills for U1, U2 and U3**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	SUMMARY OF FEDERAL REGULATION: * NSPS 40 CFR 62, Subpart OOO - Federal Plan Requirements for Municipal Solid Waste Landfills That Commenced Construction On or Before July 17, 2014 and Have Not Been Modified or Reconstructed Since July 17, 2014. [40 CFR Federal Rules Summary]	None.	None.	None.
2	The owner or operator shall control the gas collected from within the landfill through the use of control devices meeting the following requirements, except as provided in 40 CFR 60.24, (1) A non-enclosed flare designed and operated in accordance with the parameters established in 40 CFR 60.18 except as noted in § 62.16722(d); or (2) A control system designed and operated to reduce NMOC by 98 weight percent; or when an enclosed combustion device is used for control, to either reduce NMOC by 98 weight percent or reduce the outlet NMOC concentration to less than 20 parts-per-million by volume, dry basis as hexane at 3-percent oxygen or less; or (3) Route the collected gas to a treatment system that processes the collected gas for subsequent sale or beneficial use such as fuel for combustion, production of vehicle fuel, production of high-Btu gas for pipeline injection, or use as a raw material in a chemical manufacturing process. [All emissions from any atmospheric vent from the gas treatment system are subject to the requirements of paragraph (b) or (c) of this section]. [40 CFR 62.16714(c)]	None.	Other: Except as provided in § 62.16724(d)(2), each owner or operator of a controlled landfill must keep up-to-date, readily accessible records for the life of the control system equipment of the data listed in paragraphs (b)(1) through (5) of this section as measured during the initial performance test or compliance determination. Records of subsequent tests or monitoring must be maintained for a minimum of 5 years. Records of the control device vendor specifications must be maintained until removal.[40 CFR 62.16726(b)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
3	The control device must be operated within the parameter ranges established during the initial or most recent performance test. The operating parameters to be monitored are specified in § 62.16722. [40 CFR 62.16714(c)(2)(ii)]	None.	None.	None.
4	The owner or operator shall operate the collection system such that gas is collected from each area, cell, or group of cells in the MSW landfill in which solid waste has been in place for: (1) 5 years or more if active; or (2) 2 years or more if closed or at final grade. [40 CFR 62.16716(a)]	None.	Other: Except as provided in § 62.16724(d)(2), each owner or operator of an MSW landfill subject to the provisions of § 62.16714(e) must keep for at least 5 years up-to-date, readily accessible, on-site records of the design capacity report that triggered § 62.16714(e), the current amount of solid waste in-place, and the year-by-year waste acceptance rate. Off-site records may be maintained if they are retrievable within 4 hours. Either paper copy or electronic formats are acceptable. [40 CFR 62.16726(a)][40 CFR 62.16726(a)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
5	The owner or operator shall operate the collection system with negative pressure at each wellhead except under the following conditions: (1) A fire or increased well temperature. The owner or operator must record instances when positive pressure occurs in efforts to avoid a fire; (2) Use of a geomembrane or synthetic cover. The owner or operator must develop acceptable pressure limits in the design plan; (3) A decommissioned well. A well may experience a static positive pressure after shut down to accommodate for declining flows. All design changes must be approved by the Administrator as specified in § 62.16724(d). [40 CFR 62.16716(b)]	Other: The owner or operator shall measure the gauge pressure in the gas collection header on a monthly basis as provided in § 62.16720(a)(3).[40 CFR 62.16722(a)(1)].	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. (Gauge pressure in the gas collection header at each individual well.) Also, the owner or operator must record instances when positive pressure occurs in efforts to avoid a fire. These records must be submitted with the annual reports as provided in § 62.16724(h)(1) [40 CFR 62.16716(b)] &. [40 CFR 62.16726(c)]	Comply with the requirement: As per the approved schedule. If a positive pressure exists, action must be initiated to correct the exceedance within 5 calendar days, except for the three conditions allowed under § 62.16716(b). If negative pressure cannot be achieved without excess air infiltration within 15 calendar days of the first measurement of positive pressure, the owner or operator must conduct a root cause analysis and correct the exceedance as soon as practicable, but not later than 60 days after positive pressure was first measured. The owner or operator must keep records according to § 62.16726(e)(3). If corrective actions cannot be fully implemented within 60 days following the positive pressure or elevated temperature measurement for which the root cause analysis was required, the owner or operator must also conduct a corrective action analysis and develop an implementation schedule to complete the corrective action(s) as soon as practicable, but no more than 120 days following the measurement of landfill gas temperature greater than 55 degrees Celsius (131 degrees Fahrenheit) or positive pressure. The owner or operator must submit the items listed in § 62.16724(h)(7) as part of the next annual report. The owner or operator must keep records according to § 62.16726(e)(4). If corrective action is expected to take longer than 120 days to complete after the initial exceedance, the owner or operator must submit the root cause analysis, corrective action analysis,. [40 CFR 62.16720(a)(3)]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
6	(Ref. #5 continued to Ref. #6)..... [40 CFR 62.16716(b)]	Other: (Ref. #5 continued to Ref. #5).....[40 CFR 62.16722(a)(1)].	Other: (Ref. #5 continued to Ref. 6)..... corrective action analysis, and corresponding implementation timeline to the Administrator, according to § 62.16724(h)(7) and (k). The owner or operator must keep records according to § 62.16726(e)(5). Instances when positive pressure occurs in efforts to avoid a fire must be submitted with the annual reports as provided in § 62.16724(h)(1) [40 CFR 62.16716(b)] &[40 CFR 62.16720(a)(3)].	Continue (Ref. #5)..... corrective action analysis, and corresponding implementation timeline to the Administrator, according to § 62.16724(h)(7) and (k). The owner or operator must keep records according to § 62.16726(e)(5). Instances when positive pressure occurs in efforts to avoid a fire must be submitted with the annual reports as provided in § 62.16724(h)(1) [40 CFR 62.16716(b)] & Other (provide description): Other. [40 CFR 62.16720(a)(3)]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	The owner or operator shall operate each interior wellhead in the collection system with a landfill gas temperature less than 55 degrees Celsius (131 degrees Fahrenheit). [40 CFR 62.16716(c)]	Other: Monitor temperature of the landfill gas on a monthly basis as provided in § 62.16720(a)(4). The temperature measuring device must be calibrated annually using the procedure in 40 CFR part 60, appendix A-1, EPA Method 2, section 10.3. [40 CFR 62.16716(c)], [40 CFR 62.16720(a)(4)] &[40 CFR 62.16722(a)(3)].	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. [40 CFR 62.16726(c)]	. If a well exceeds the operating parameter for temperature, action must be initiated to correct the exceedance within 5 calendar days. If a landfill gas temperature less than 55 degrees Celsius (131 degrees Fahrenheit) cannot be achieved within 15 calendar days of the first measurement of landfill gas temperature greater than 55 degrees Celsius (131 degrees Fahrenheit), the owner or operator must conduct a root cause analysis and correct the exceedance as soon as practicable, but no later than 60 days after a landfill gas temperature greater than 55 degrees Celsius (131 degrees Fahrenheit) was first measured. The owner or operator must keep records according to § 62.16726(e)(3). If corrective actions cannot be fully implemented within 60 days following the measurement of landfill gas temperature greater than 55 degrees Celsius (131 degrees Fahrenheit) for which the root cause analysis was required, the owner or operator must also conduct a corrective action analysis and develop an implementation schedule to complete the corrective action(s) as soon as practicable, but no more than 120 days following the measurement of landfill gas temperature greater than 55 degrees Celsius (131 degrees Fahrenheit). The owner or operator must submit the items listed in § 62.16724(h)(7) as part of the next annual report. The owner or operator must keep records according to § 62.16726(e)(4). (Continue Ref. #8) Comply with the requirement: As per the approved schedule. [40 CFR 62.16720(a)(4)]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
8	(Ref. # 7 continued to Ref. #8)..... [40 CFR 62]	Other: (Ref. #6 continued to Ref. #7).....[40 CFR 62].	None.	Comply with the requirement: As per the approved schedule (Ref. #5 continued to Ref. #6)..... If corrective action is expected to take longer than 120 days to complete after the initial exceedance, the owner or operator must submit the root cause analysis, corrective action analysis, and corresponding implementation timeline to the Administrator, according to § 62.16724(h)(7) and § 62.16724(k). The owner or operator must keep records according to § 62.16726(e)(5). [40 CFR 62.16720(a)(4)]
9	The owner or operator shall Operate the system such that all collected gases are vented to a control system designed and operated in compliance with § 62.16714(c). In the event the collection or control system is not operating, the gas mover system must be shut down and all valves in the collection and control system contributing to venting of the gas to the atmosphere must be closed within 1 hour of the collection or control system not operating. [40 CFR 62.16716(e)]	None.	None.	Comply with the requirement: As per the approved schedule. In the event the collection or control system is inoperable, the gas mover system shall be shut down and all valves in the collection and control system contributing to venting of the gas to the atmosphere shall be closed within 1 hour. [40 CFR 62.16716(e)]
10	Operate the control system at all times when the collected gas is routed to the system. [40 CFR 62.16716(f)]	None.	None.	None.
11	If monitoring demonstrates that the operational requirements in paragraphs (b), (c), or (d) of this section are not met, corrective action must be taken as specified in § 62.16720(a)(3) and (5) or § 62.16720(c). If corrective actions are taken as specified in § 62.16720, the monitored exceedance is not a violation of the operational requirements in this section. [40 CFR 62.16716(g)]	None.	None.	Comply with the requirement: As per the approved schedule. If monitoring demonstrates that the operational requirements in paragraphs (b), (c), or (d) of this section are not met, corrective action must be taken as specified in § 62.16720(a)(3) and (5) or § 62.16720(c). [40 CFR 62.16716(g)]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
12	The provisions of this subpart apply at all times, including periods of startup, shutdown, or malfunction. During periods of startup, shutdown, and malfunction, you must comply with the work practice specified in § 62.16716(e) in lieu of the compliance provisions in § 62.16720. [40 CFR 62.16720(e)]	None.	None.	None.
13	A temperature monitoring device equipped with a continuous recorder and having a minimum accuracy of ±1 percent of the temperature being measured expressed in degrees Celsius or ±0.5 degrees Celsius, whichever is greater. A temperature monitoring device is not required for boilers or process heaters with design heat input capacity equal to or greater than 44 megawatts. [40 CFR 62.16722(b)(1)]	Other: The owner or operator shall install, calibrate, and maintain a gas flow rate measuring device that must record the flow to the control device at least every 15 minutes.[40 CFR 62.16726(b)(2)(i)].	Other: Each owner or operator subject to the provisions of this subpart who uses a boiler or process heater with a design heat input capacity of 44 megawatts or greater to comply with § 62.16714(c) must keep an up-to-date, readily accessible record of all periods of operation of the boiler or process heater. Examples of such records could include records of steam use, fuel use, or monitoring data collected pursuant to other state, local, tribal, or Federal regulatory requirements.[40 CFR 62.16726(c)(3)].	None.
14	The owner or operator shall install, calibrate, and maintain a gas flow rate measuring device that must record the flow to the control device at least every 15 minutes; and secure the bypass line valve in the closed position with a car-seal or a lock-and-key type configuration. A visual inspection of the seal or closure mechanism must be performed at least once every month to ensure that the valve is maintained in the closed position and that the gas flow is not diverted through the bypass line. [40 CFR 62.16722(b)(2)(ii)]	Other: Monitored by gas flow rate instrument continuously recording the flow to the control device at least every 15 minutes; or by visual inspection of the seal or closure mechanism performed at least once every month to ensure that the valve is maintained in the closed position and that the gas flow is not diverted through the bypass line.[40 CFR 62.16722(b)(2)].	Other: Each owner or operator subject to the provisions of this subpart must keep up-to-date, readily accessible continuous records of the indication of flow to the control system and the indication of bypass flow or records of monthly inspections of car-seals or lock-and-key configurations used to seal bypass lines, specified under § 62.16722.[40 CFR 62.16726(c)(2)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
15	Each owner or operator subject to the requirements of this subpart is exempted from the requirements to submit an NMOC emission rate report, after installing a collection and control system that complies with § 62.16714(b) and (c), during such time as the collection and control system is in operation and in compliance with §§ 62.16716 and 62.16720. [40 CFR 62.16724(c)(4)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
16	Each owner or operator of a controlled landfill must submit an equipment removal report to the Administrator 30 days prior to removal or cessation of operation of the control equipment. [40 CFR 62.16724(g)]	None.	None.	Submit a report: As per the approved schedule. The equipment removal report must contain the following items: (i) A copy of the closure report submitted in accordance with paragraph (f) of this section; and (ii) A copy of the initial performance test report demonstrating that the 15-year minimum control period has expired, unless the report of the results of the performance test has been submitted to the EPA via the EPA's Central Data Exchange (CDX), or information that demonstrates that the gas collection and control system will be unable to operate for 15 years due to declining gas flows. In the equipment removal report, the process unit(s) tested, the pollutant(s) tested, and the date that such performance test was conducted may be submitted in lieu of the performance test report if the report has been previously submitted to the EPA's CDX; and (iii) Dated copies of three successive NMOC emission rate reports demonstrating that the landfill is no longer producing 34 megagrams or greater of NMOC per year, unless the NMOC emission rate reports have been submitted to the EPA via the EPA's CDX. If the NMOC emission rate reports have been previously submitted to the EPA's CDX, a statement that the NMOC emission rate reports have been submitted electronically and the dates that the reports were submitted to the EPA's CDX may be submitted in the equipment removal report in lieu of the NMOC emission rate reports. [40 CFR 62.16724(g)]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
17	Each owner or operator of a controlled landfill subject to the provisions of this subpart must keep for 5 years up-to-date, readily accessible continuous records of the equipment operating parameters specified to be monitored in § 62.16722 as well as up-to-date, readily accessible records for periods of operation during which the parameter boundaries established during the most recent performance test are exceeded. The following constitute exceedances that must be recorded and reported under § 62.16724, for enclosed combustors except for boilers and process heaters with design heat input capacity of 44 megawatts (150 million British thermal unit per hour) or greater, all 3-hour periods of operation during which the average temperature was more than 28 degrees Celsius (82 degrees Fahrenheit) below the average combustion temperature during the most recent performance test at which compliance with § 62.16714(c) was determined. [40 CFR 62.16726(c)(1)(i)]	None.	Other: See Applicable Requirement.[40 CFR 62.16726(c)(1)(i)].	None.
18	Each owner or operator subject to the provisions of this subpart must keep up-to-date, readily accessible continuous records of the indication of flow to the control system and the indication of bypass flow or records of monthly inspections of car-seals or lock-and-key configurations used to seal bypass lines, specified under § 62.16722. [40 CFR 62.16726(c)(2)]	None.	Other: See Applicable Requirement.[40 CFR 62.16726(c)(2)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
19	Except as provided in § 62.16724(d)(2), each owner or operator subject to the provisions of this subpart must keep for the life of the collection system an up-to-date, readily accessible plot map showing each existing and planned collector in the system and providing a unique identification location label on each collector that matches the labeling on the plot map. (1) Each owner or operator subject to the provisions of this subpart must keep up-to-date, readily accessible records of the installation date and location of all newly installed collectors as specified under § 62.16720(b). (2) Each owner or operator subject to the provisions of this subpart must keep readily accessible documentation of the nature, date of deposition, amount, and location of asbestos-containing or nondegradable waste excluded from collection as provided in § 62.16728(a)(3)(i) as well as any nonproductive areas excluded from collection as provided in § 62.16728(a)(3)(ii). [40 CFR 62.16726(d)]	None.	Other: See Applicable Requirement.[40 CFR 62.16726(d)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
20	Except as provided in § 62.16724(d)(2), each owner or operator subject to the provisions of this subpart must keep for at least 5 years up-to-date, readily accessible records of the items in paragraphs (e)(1) through (5) of this section. Each owner or operator that chooses to comply with the provisions in §§ 63.1958, 63.1960, and 63.1961 of this chapter, as allowed in §§ 62.16716, 62.16720, and 62.16722, must keep the records in paragraph (e)(6) of this section and must keep records according to § 63.1983(e)(1) through (5) of this chapter in lieu of paragraphs (e)(1) through (5) of this section. (1) All collection and control system exceedances of the operational standards in § 62.16716, the reading in the subsequent month whether or not the second reading is an exceedance, and the location of each exceedance. (2) Each owner or operator subject to the provisions of this subpart must also keep records of each wellhead temperature monitoring value of 55 degrees Celsius (131 degrees Fahrenheit) or above, each wellhead nitrogen level at or above 20 percent, and each wellhead oxygen level at or above 5 percent. (3) For any root cause analysis for which corrective actions are required in § 62.16720(a)(3) or § 62.16720(a)(4), keep a record of the root cause analysis conducted, including a description of the recommended corrective action(s) taken, and the date(s) the corrective action(s) were completed. (Continue to Ref. 21)..... [40 CFR 62.16726(e)]	None.	Other: See Applicable Requirement.[40 CFR 62.16726(e)].	None.

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Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
21	(Ref. #20 continued to Ref. #21)..... 4) For any root cause analysis for which corrective actions are required in § 62.16720(a)(3)(ii) or § 62.16720(a)(4)(ii), keep a record of the root cause analysis conducted, the corrective action analysis, the date for corrective action(s) already completed following the positive pressure reading or high temperature reading, and, for action(s) not already completed, a schedule for implementation, including proposed commencement and completion dates. (5) For any root cause analysis for which corrective actions are required in § 62.16720(a)(3)(iii) or § 62.16720(a)(4)(iii), keep a record of the root cause analysis conducted, the corrective action analysis, the date for corrective action(s) already completed following the positive pressure reading or high temperature reading, for action(s) not already completed, a schedule for implementation, including proposed commencement and completion dates, and a copy of any comments or final approval on the corrective action analysis or schedule from the regulatory agency. [40 CFR 62.16726(e)]	None.	Other: See Applicable Requirement.[40 CFR 62.16726(e)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
22	Any nonproductive area of the landfill may be excluded from control, provided that the total of all excluded areas can be shown to contribute less than 1 percent of the total amount of NMOC emissions from the landfill. The amount, location, and age of the material must be documented and provided to the Administrator upon request. A separate NMOC emissions estimate must be made for each section proposed for exclusion, and the sum of all such sections must be compared to the NMOC emissions estimate for the entire landfill. The NMOC emissions from each section proposed for exclusion must be computed using Equation 7 as provided by 40 CFR 62.16728(a)(3)(ii)(A). [40 CFR 62.16728(a)(3)(ii)]	None.	Other: See Applicable Requirement.[40 CFR 62.16728(a)(3)(ii)]] &[40 CFR 62.16728(a)(3)(iii)].	None.
23	Physical or operational changes made to an existing MSW landfill solely to comply with an emission guideline implemented by a state or Federal plan are not considered a modification or reconstruction and would not subject an existing MSW landfill to the requirements of 40 CFR 60, subpart XXX. Landfills that commence construction, modification, or reconstruction after July 17, 2014, are subject to 40 CFR part 60, subpart XXX. [40 CFR 62.16711(d)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Subject Item: **GR3 MACT 40 CFR 63 Subpart A General Provisions Municipal Solid Waste Landfills for U1, U2 and U3**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	SUMMARY OF FEDERAL REGULATION: * MACT 40 CFR 63, Subpart A - General Provisions [40 CFR Federal Rules Summary]	None.	None.	None.
2	No owner or operator subject to the provisions of 40 CFR 63 may operate any affected source in violation of the requirements of 40 CFR 63. No owner or operator subject to the provisions of 40 CFR 63 shall fail to keep records, notify, report, or revise reports as required under 40 CFR 63. (MACT 40 CFR 63, Subpart A - General Provisions). [40 CFR 63.4(a)]	None.	None.	None.
3	For equipment subject to MACT, no owner or operator subject to the provisions of MACT Subpart A in 40 CFR 63 shall build, erect, install, or use any article, machine, equipment, or process to conceal an emission that would otherwise constitute noncompliance with a relevant standard. Such concealment includes, but is not limited to: (1) The use of diluents to achieve compliance with a relevant standard based on the concentration of a pollutant in the effluent discharged to the atmosphere; (2) the use of gaseous diluents to achieve compliance with a relevant standard for visible emissions; and (3) the fragmentation of an operation such that the operation avoids regulation by a relevant standard. (MACT 40 CFR 63, Subpart A - General Provisions). [40 CFR 63.4(b)] & [40 CFR 63.4(c)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Subject Item: **GR4 MACT 40 CFR 63 Subpart AAAA for HAPs, Municipal Solid Waste Landfills for U1, U2 and U3**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	SUMMARY OF FEDERAL REGULATION: * MACT 40 CFR 63, Subpart AAAA - National Emission Standards for Hazardous Air Pollutants: Municipal Solid Waste Landfills. [40 CFR Federal Rules Summary]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
2	The owner or operator shall operate each interior wellhead in the collection system with a landfill gas temperature less than 62.8 degrees Celsius (145 degrees Fahrenheit). [40 CFR 63.1958(c)(1)] [40 CFR 63.1958(c)(1)]	Other: Where an owner or operator subject to the provisions of this subpart seeks to demonstrate compliance with the operational standard for temperature in § 63.1958(c)(1), monitor temperature of the landfill gas on a monthly basis as provided in § 63.1960(a)(4). The temperature measuring device must be calibrated annually using the procedure in Section 10.3 of EPA Method 2 of appendix A-1 to part 60 of this chapter. Keep records specified in § 63.1983(e). [40 CFR 63.1961(a)(3)][40 CFR 63.1958(c)(1)].	Other: Each owner or operator subject to the control provisions of this subpart must keep records of each wellhead temperature monitoring value of greater than 55 degrees Celsius (131 degrees Fahrenheit), each wellhead nitrogen level at or above 20 percent, and each wellhead oxygen level at or above 5 percent, except when an owner or operator subject to the provisions of this subpart seeks to demonstrate compliance with the compliance provisions for wellhead temperature in § 63.1958(c)(1), but no later than September 27, 2021, the records of each wellhead temperature monitoring value of 62.8 degrees Celsius (145 degrees Fahrenheit) or above instead of values greater than 55 degrees Celsius (131 degrees Fahrenheit).[40 CFR 63.1983(e)(2)].	Comply with the requirement: As per the approved schedule. If a well exceeds the operating parameter for temperature as provided in § 63.1958(c)(1), action must be initiated to correct the exceedance within 5 days. Any attempted corrective measure must not cause exceedances of other operational or performance standards. If a landfill gas temperature less than or equal to 62.8 degrees Celsius (145 degrees Fahrenheit) cannot be achieved within 15 days of the first measurement of landfill gas temperature greater than 62.8 degrees Celsius (145 degrees Fahrenheit), the owner or operator must conduct a root cause analysis and correct the exceedance as soon as practicable, but no later than 60 days after a landfill gas temperature greater than 62.8 degrees Celsius (145 degrees Fahrenheit) was first measured. The owner or operator must keep records according to § 63.1983(e)(3). If corrective actions cannot be fully implemented within 60 days following the temperature measurement for which the root cause analysis was required, the owner or operator must also conduct a corrective action analysis and develop an implementation schedule to complete the corrective action(s) as soon as practicable, but no more than 120 days following the measurement of landfill gas temperature greater than 62.8 degrees Celsius (145 degrees Fahrenheit). (Continue to Ref. #3)..... [40 CFR 63.1960(a)(4)]

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Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
3	(Ref. #2 Continued to Ref. #3).... [40 CFR 63]	Other: (Ref. #2 Continued to Ref. #3)....[40 CFR 63].	Other: (Ref. #2 Continued to Ref. #3)....[40 CFR 63].	(Ref. #2 Continued to Ref. #3).... The owner or operator must submit the items listed in § 63.1981(h)(7) as part of the next semi-annual report. The owner or operator must keep records according to § 63.1983(e)(4). If corrective action is expected to take longer than 120 days to complete after the initial exceedance, the owner or operator must submit the root cause analysis, corrective action analysis, and corresponding implementation timeline to the Administrator, according to § 63.1981(h)(7) and (j). The owner or operator must keep records according to § 63.1983(e)(5). If a landfill gas temperature measured at either the wellhead or at any point in the well is greater than or equal to 76.7 degrees Celsius (170 degrees Fahrenheit) and the carbon monoxide concentration measured, according to the procedures in § 63.1961(a)(5)(vi) is greater than or equal to 1,000 ppmv the corrective action(s) for the wellhead temperature standard (62.8 degrees Celsius or 145 degrees Fahrenheit) must be completed within 15 days. Other (provide description): Other. [40 CFR 63.1960(a)(4)]

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Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
4	A deviation is defined in § 63.1990. For the purposes of the landfill monitoring and SSM plan requirements, deviations include the items in paragraphs (a) through (c) of this section. (a) A deviation occurs when the control device operating parameter boundaries described in § 63.1983(c)(1) are exceeded. (b) A deviation occurs when 1 hour or more of the hours during the 3-hour block averaging period does not constitute a valid hour of data. A valid hour of data must have measured values for at least three 15-minute monitoring periods within the hour. (c) Before September 28, 2021, a deviation occurs when a SSM plan is not developed or maintained on site and when an affected source fails to meet any emission limitation, (including any operating limit), or work practice requirement in this subpart during SSM, regardless of whether or not such failure is permitted by this subpart. [40 CFR 63.1965]	None.	None.	None.
5	The owner or operator of a landfill seeking to comply with § 63.1959(b)(2) using an active collection system designed in accordance with § 63.1959(b)(2)(ii) must submit to the Administrator semi-annual reports. [40 CFR 63.1981(h)]	None.	None.	Comply with the requirement: As per the approved schedule. The owner or operator of a landfill seeking to comply with § 63.1959(b)(2) using an active collection system designed in accordance with § 63.1959(b)(2)(ii) must submit to the Administrator semi-annual reports. The semi-annual reports must contain the information in paragraphs (h)(1) through (8) of this section. (1) [40 CFR 62.16724(h)] &. [40 CFR 63.1981(h)]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Phase I - Landfill Gas Collection, subject to NSPS 40 CFR 60 Subpart A & 40 CFR 62 Subpart OOO and MACT 40 CFR 63 Subparts A & AAAA**

Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	SUMMARY OF FEDERAL REGULATIONS: (GR1, GR2, GR3 and GR4) * NSPS 40 CFR 60, Subpart A - General Provisions * NSPS 40 CFR 62, Subpart OOO -- Federal Plan Requirements for Municipal Solid Waste Landfills That Commenced Construction On or Before July 17, 2014 and Have Not Been Modified or Reconstructed Since July 17, 2014. * MACT 40 CFR 63, Subpart A - General Provisions * MACT 40 CFR 63, Subpart AAAA - National Emission Standards for Hazardous Air Pollutants: Municipal Solid Waste Landfills [40 CFR Federal Rules Summary]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
2	H2S <= 30 ppbv. Averaged over any 30-minute period at or beyond the property line of the landfill. [N.J.A.C. 7:27- 7.3]	H2S: Monitored by periodic emission monitoring quarterly: once per quarter; quarters shall begin on January 1, April 1, July 1, and October 1 of each year. 1. Periodic emission monitoring system approved, by Department's Bureau of Air Monitoring, shall be used to obtain a 30-minute average (5-minute block basis) reading. 2. Monitoring shall be performed downwind of the landfill at the property's fence line. The Applicant may petition the Department to reduce the frequency of monitoring after the results show compliance for 12-consecutive months period. Such request shall be made through the submittal of a significant permit modification application for Department review. [N.J.A.C. 7:27-22.16(o)]	H2S: Recordkeeping by manual logging of parameter or storing data in a computer data system quarterly: once per quarter; quarters shall begin on January 1, April 1, July 1, and October 1 of each year. Record Date, Time, Name of Persons conducting monitoring, Wind Speed, Wind Direction, Location of Measurement and H2S concentrations. The facility must keep records for 5 years and shall be readily available upon the Department's request. [N.J.A.C. 7:27-22.16(o)]	Submit an equipment protocol: Within 30 days from the date of the approved permit , submit emissions monitoring protocol to the Bureau of Air Monitoring, 401 E. State Street, P.O. Box 420, Mail Code 401-07H,Trenton, NJ 08625-0420, for review and approval. The Guidance document can be found at NJDEP website at the following link: http://www.state.nj.us/dep/aqpp/permitguide/FencelineMonitoringPlanGuidance2018.pdf The applicant shall begin the H2S periodic emissions monitoring within 90 days of protocol approval by the Department. If the H2S ambient concentration at the facility's fence line exceeds 30 ppbv, contact the NJDEP Hotline at 1-877-927-6337 immediately. [N.J.A.C. 7:27-22.16(o)]
3	VOC (Total) <= 0.27 tons/yr. Uncollected annual emission limit based on the expected gas generation, collection system efficiency and no co-disposal. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Methane <= 110.3 tons/yr Fugitive from landfill surface. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	Non methane Organic compound (NMOC) = 0.705 ton per year (uncollected). Annual emission limit based on the expected gas generation, collection system efficiency and no co-disposal for NMOC. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
6	Total Design Capacity (Phase I) = 1,868,801 megagrams. The maximum expected landfill gas generation rate shall be determined using the maximum design capacity. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	The Permittee shall sample and analyze the quality and quantity of the landfill gas for Toxics (TXS), Hazardous Air Pollutants (HAPS), chlorinated compounds , Methane and Hydrogen Sulfide (H2S). [N.J.A.C. 7:27-22.16(a)]	Monitored by gas sampling annually, based on an instantaneous determination. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by certified lab analysis results annually and manual logging of parameter. [N.J.A.C. 7:27-22.16(o)]	Submit test results: As per the approved schedule. Within 60 days of sampling, send certified analytical results to: 1) Chief, Bureau of Technical Services, NJDEP, PO Box 437, 380 Scotch Rd, West Trenton, NJ 08625-0437; and 2) Chief, Central Regional Enforcement Office, NJDEP, 22 South Clinton Avenue, 4 Station Plaza, P.O. Box 407, Trenton, NJ 08625-0407. [N.J.A.C. 7:27-22.16(o)]
8	This facility is subject to the provisions of NSPS 40 CFR 60 Subpart A and 40 CFR 62 Subpart OOO and MACT 40 CFR 63 Subparts A and Subpart AAAA. The facility shall comply with all applicable requirements (See groups GR1, GR2, GR3 and GR4.). (Subject to NSPS 40 CFR 60, Subpart A - General Provisions). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Phase I - Landfill Gas Collection, subject to NSPS 40 CFR 60 Subpart A & 40 CFR 62 Subpart OOO and MACT 40 CFR 63 Subparts A & AAAA**

Operating Scenario: **OS1 1760 CFM LFG Enclosed Flare**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	The Permittee shall sample and analyze the quality and quantity of the landfill gas for Toxics (TXS), Hazardous Air Pollutants (HAPS), chlorinated compounds , Methane and Hydrogen Sulfide (H2S). [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by gas sampling annually, based on an instantaneous determination.[N.J.A.C. 7:27-22.16(o)].	Recordkeeping by certified lab analysis results annually and manual logging of parameter. [N.J.A.C. 7:27-22.16(o)]	Submit test results: As per the approved schedule Within 60 days of sampling, send certified analytical results to: 1) Chief, Bureau of Technical Services, NJDEP, PO Box 437, 380 Scotch Rd, West Trenton, NJ 08625-0437; and 2) Chief, Central Regional Enforcement Office, NJDEP, 22 South Clinton Avenue, 4 Station Plaza, P.O. Box 407, Trenton, NJ 08625-0407. [N.J.A.C. 7:27-22.16(o)]. [N.J.A.C. 7:27-22.16(o)]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U2 Phase II - Landfill Gas Collection, subject to NSPS 40 CFR 60 Subpart A & 40 CFR 62 Subpart OOO and MACT 40 CFR 63 Subpars A & t AAAA**

Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	SUMMARY OF FEDERAL REGULATIONS: (GR1, GR2, GR3 and GR4) * NSPS 40 CFR 60, Subpart A - General Provisions * NSPS 40 CFR 62, Subpart OOO -- Federal Plan Requirements for Municipal Solid Waste Landfills That Commenced Construction On or Before July 17, 2014 and Have Not Been Modified or Reconstructed Since July 17, 2014. * MACT 40 CFR 63, Subpart A - General Provisions * MACT 40 CFR 63, Subpart AAAA - National Emission Standards for Hazardous Air Pollutants: Municipal Solid Waste Landfills) [40 CFR Federal Rules Summary]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
2	RENEWAL STACK TESTING SUMMARY: The permittee shall conduct a stack test no later than every five years (see General Provisions) from the last stack test using an approved protocol at emission point PT3 to demonstrate compliance with the NOx, CO, methane and NMOC emission limits as specified in the compliance plan for OS2. Recognizing that this flare is inactive, this test requirement shall only be in effect whenever the flare has required operation for more than 100 hours in any calendar quarter for two consecutive calendar quarters. Protocol for testing shall be submitted within 30 days after the date that the 100 hours' limit in any two consecutive quarters has been surpassed. Testing must be conducted at worst-case permitted operating conditions with regard to meeting the applicable emission standards, without creating an unsafe condition (at the maximum load and lower operating temperature.) [N.J.A.C. 7:27-22.16(a)]	Monitored by stack emission testing prior to permit expiration date. Unless otherwise approved in the stack test protocol or by the Department, each test run shall be 60 minutes in sampling duration. Stack test shall be conducted for CO, NOx, methane, THC and NMOC emissions . [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by stack test results upon occurrence of event. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule St,ack Test - Submit protocol, conduct test and submit results: As per the approved schedule. Submit a stack test protocol to the Emission Measurement Section (EMS) at Mail Code: 09-01, PO Box 420, Trenton, NJ 08625 no later than 12 months prior to the completion of the five year period since the last stack test. The protocol and test report must be prepared and submitted on a CD using the Electronic Reporting Tool (ERT), unless another format is approved by EMS. The ERT program can be downloaded at: https://www.epa.gov/chief. Within 30 days of protocol approval or no less than 60 days prior to the testing deadline, whichever is later, the permittee must contact EMS at 609-984-3443 to schedule a mutually acceptable test date. A full stack test report must be submitted to EMS and a certified summary test report must be submitted to the Regional Enforcement Office within 45 days after performing the stack test pursuant to N.J.A.C. 7:27-22.19(d). The test results must be certified by a licensed professional engineer or certified industrial hygienist. [N.J.A.C. 7:27-22.18(e)] and [N.J.A.C. 7:27-22.18(h)]. [N.J.A.C. 7:27-22.18(h)]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
3	Testing performed to verify compliance shall be based on a 60 minute period during which the control apparatus is used and operated under conditions acceptable to the Department and consistent with the operational parameters and limits set forth in any permit or certificate in effect. If circumstances require that test periods be less than, or more than 60 minutes (such as when an operational duration is less than 60 minutes or when detectability limits are approached for low concentration gas streams), the Department may require different test periods in its review and approval of test protocols. [N.J.A.C. 7:27-16.22(g)]	None.	None.	None.
4	H2S <= 30 ppbv averaged over any 30-minute period at or beyond the property line of the landfill. [N.J.A.C. 7:27- 7.3]	Monitored by periodic emission monitoring quarterly: once per quarter; quarters shall begin on January 1, April 1, July 1, and October 1 of each year. 1. Periodic emission monitoring system approved, by Department's Bureau of Air Monitoring, shall be used to obtain a 30-minute average (5-minute block basis) reading. 2. Monitoring shall be performed downwind of the landfill at the property's fence line. The Applicant may petition the Department to reduce the frequency of monitoring after the results show compliance for 12-consecutive months period. Such request shall be made through the submittal of a significant permit modification application for Department review. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system quarterly: once per quarter; quarters shall begin on January 1, April 1, July 1, and October 1 of each year. Record Date, Time, Name of Persons conducting monitoring, Wind Speed, Wind Direction, Location of Measurement and H2S concentrations. The facility must keep records for 5 years and shall be readily available upon the Department's request. [N.J.A.C. 7:27-22.16(o)]	Submit an equipment protocol: Within 30 days from the date of the approved permit , submit emissions monitoring protocol to the Bureau of Air Monitoring, 401 E. State Street, P.O. Box 420, Mail Code 401-07H,Trenton, NJ 08625-0420, for review and approval. The Guidance document can be found at NJDEP website at the following link: http://www.state.nj.us/dep/aqpp/permitguide/FencelineMonitoringPlanGuidance2018.pdf The applicant shall begin the H2S periodic emissions monitoring within 90 days of protocol approval by the Department. If the H2S ambient concentration at the facility's fence line exceeds 30 ppbv, contact the NJDEP Hotline at 1-877-927-6337 immediately. [N.J.A.C. 7:27-22.16(o)]
5	CO <= 58.26 tons/yr for 3700 CFM flare. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	NOx (Total) <= 19.42 tons/yr for 3700 CFM flare. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	VOC (Total) <= 1.33 tons/yr. Uncollected annual emission limit based on the expected gas generation, collection system efficiency and no co-disposal. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	VOC (Total) <= 0.61 tons/yr for emission from the flare. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	SO2 <= 29.24 tons/yr for 3700 CFM flare. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
10	TSP <= 5.06 tons/yr for 3700 CFM flare. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
11	PM-10 (Total) <= 5.06 tons/yr for 3700 CFM flare. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
12	PM-2.5 (Total) <= 5.06 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
13	Methane <= 534.1 tons/yr uncollected based on gas generation and collection efficiency. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
14	Non-Methane Hydrocarbons <= 3.415 tons/yr uncollected based on gas generation and colection efficiency. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
15	H2S <= 0.23 tons/yr uncollected based on gas generation and collection effieciency. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
16	HCl Emissions <= 1.88 tons/yr for 3700 CFM flare. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
17	Existing affected sources and area sources must comply with the requirements of 40 CFR 63, subpart AAAA (see GR4) and with the general provisions of this part. (MACT 40 CFR 63, Subpart AAAA - Municipal Solid Waste Landfills) Refer to GR3. [40 CFR 63.1945(f)] & [40 CFR 63.1955(b)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
18	The maximum expected landfill gas generation rate shall be determined using the maximum design capacity, Total Design Capacity (Phase II) = 7,662,144 megagrams. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
19	This facility is subject to the provisions of NSPS Subpart A and Subpart OOO. The facility shall comply with all applicable requirements (See groups GR1 and GR2.). [40 CFR 60]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U2 Phase II - Landfill Gas Collection, subject to NSPS 40 CFR 60 Subpart A & 40 CFR 62 Subpart OOO and MACT 40 CFR 63 Subpars A & t AAAA**

Operating Scenario: **OS2 3700 CFM LFG Enclosed Flare**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 5.65 lb/hr. [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
2	No person shall cause, suffer, allow or permit particles to be emitted from any stack or chimney of which is greater than 20 percent opacity, exclusive of water vapor, except for a period not longer than three minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-6.2(d)] & [N.J.A.C. 7:27- 6.2(e)]	None.	None.	None.
3	The concentration of SO2 in the gases being discharged shall not exceed 2000 ppm by volume at standard conditions. [N.J.A.C. 7:27- 7.2(b)1]	None.	None.	None.
4	SO2 <= 24 lb/hr. Maximum allowable emission in any 60 minute period. [N.J.A.C. 7:27- 7.2(b)2]	None.	None.	None.
5	SO2 <= 48 lb/hr. Maximum allowable emission at any instant. [N.J.A.C. 7:27- 7.2(b)2]	None.	None.	None.
6	The flare shall be designed to reduce the concentration of NMOC by no less than 95%. [N.J.A.C. 7:27-16.13(a)]	None.	None.	None.
7	The flare shall be installed, operated and maintained in accordance with the specifications provided by the manufacturer. [N.J.A.C. 7:27-16.13(a)]	Monitored by documentation of construction once initially. [N.J.A.C. 7:27-22.16(o)]	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
8	The owner or operator shall inspect the flare annually before May 1 to verify that the flare continues to be operated in accordance with the manufacturer's specifications for the operation of the flare. The owner or operator shall record the following in a permanently bound log book at the conclusion of each inspection: (1) name of person conducting the inspection; (2) date on which the inspection was conducted; (3) an entry indicating which flare was inspected; (4) any changes or adjustments made to the flare as a result of the inspection; and (5) a statement stating that the flare is currently being operated in compliance with the manufacturer's specifications. [N.J.A.C. 7:27-16.13(c)]	None.	Other: Record the following in a permanently bound log book at the conclusion of each inspection: 1. The name of the person conducting the inspection; 2. The date on which the inspection was conducted; 3. An entry indicating which flare was inspected; 4. Any changes or adjustments made to the flare as a result of the inspection; and 5. A statement stating that the flare is currently being operated in compliance with the manufacturer's specifications.[N.J.A.C. 7:27-16.13(c)].	None.
9	CO <= 22.38 lb/hr. [N.J.A.C. 7:27-22.16(a)]	CO: Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on each of three Department validated stack test runs. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	CO: Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]
10	CO <= 100 ppmvd corrected to 7% O2 concentration in the flue gas. [N.J.A.C. 7:27-22.16(e)]	CO: Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on each of three Department validated stack test runs. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	CO: Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]
11	NOx (Total) <= 7.46 lb/hr. [N.J.A.C. 7:27-22.16(a)]	NOx (Total): Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	NOx (Total): Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]
12	VOC (Total) <= 0.23 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
13	SO2 <= 11.23 lb/hr. [N.J.A.C. 7:27-22.16(a)]	SO2: Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on each of three Department validated stack test runs. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	SO2: Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]
14	TSP <= 1.94 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
15	PM-10 (Total) <= 1.94 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
16	PM-2.5 (Total) <= 1.94 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
17	Methane <= 27.9 lb/hr. [N.J.A.C. 7:27-22.16(e)]	Methane: Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	Methane: Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]
18	Non-Methane Hydrocarbons <= 0.18 lb/hr. [N.J.A.C. 7:27-22.16(e)]	Non-Methane Hydrocarbons: Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on each of three Department validated stack test runs. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	Non-Methane Hydrocarbons: Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
19	Opacity: There shall be no visible emissions, exclusive of condensed water vapor. [N.J.A.C. 7:27-22.16(e)]	Monitored by visual determination each month during operation, based on any consecutive 30-minute period. For compliance with the opacity standard, the permittee shall conduct visual opacity inspections during daylight hours. Visual inspections shall consist of a visual survey to identify if the stack has visible emissions, other than condensed water vapor, greater than the prescribed standard (See Applicable Requirement). 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 violations to NJDEP pursuant to N.J.A.C. 7:27-22.19.; (2) If the corrective action taken in step (1) does not correct the opacity problem within 24 hours, the applicant shall perform a check via a certified opacity reader, in accordance with N.J.A.C. 7:27B-2. Such test shall be conducted each day until corrective action is taken to successfully correct the opacity problem. [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 or electronic logging of parameter once per month during operation. Manually log in a logbook, or in readily accessible computer memories, and retain the following records: (1) Date and time of inspection; (2) Emission Point number; (3) Operational status of equipment; (4) Observed results and conclusions; (5) Description of corrective action taken if needed; (6) Date and time opacity problem was solved, if applicable; (7) N.J.A.C. 7:27B-2 results if conducted; and (8) Name of person(s) conducting inspection. [N.J.A.C. 7:27-22.16(o)]	Comply with the requirement: As per the approved schedule. The permittee shall report permit violations (excess visible emissions) to the Department pursuant to N.J.A.C. 7:27-22.19. [N.J.A.C. 7:27-22.16(o)]

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Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
20	Flowrate <= 3,700 SCFM. Maximum inlet landfill gas flow rate to the enclosed flare. [N.J.A.C. 7:27-22.16(a)]	Flowrate: Monitored by gas flow rate instrument continuously (in scfm). The flow rate monitoring system shall: (1) correct and report from actual to standard cubic feet; (2) have an overall accuracy of not less than 0.5% or the best accuracy available; (3) be installed and operated in accordance with the instructions of the manufacturer; and (4) be equipped with a totalizer to continuously monitor the cumulative amount of landfill gas directed to the flare in scf. [N.J.A.C. 7:27-22.16(o)]	Flowrate: Recordkeeping by strip chart or data acquisition (DAS) system continuously. The permittee may continue using round chart if the flare operates less than 100 hours in one calendar quarter. [N.J.A.C. 7:27-22.16(o)]	None.
21	Flowrate <= 1,156 MMft^3/yr. Total cumulative gas flow to the enclosed flare in any calendar year. [N.J.A.C. 7:27-22.16(e)]	Flowrate: Monitored by gas flow rate instrument continuously (in scfm). The flow rate monitoring system shall: (1) correct and report from actual to standard cubic feet; (2) have an overall accuracy of not less than 0.5% or the best accuracy available; (3) be installed and operated in accordance with the instructions of the manufacturer; and (4) be equipped with a totalizer to continuously monitor the cumulative amount of landfill gas directed to the flare in scf. [N.J.A.C. 7:27-22.16(o)]	. Round charts may be used until it becomes active for two consecutive quarters for more than 100 hours per quarter. Once hours have been exceeded, the DAS syatem shall be in operation within 180 days. Flowrate: Recordkeeping by strip chart or data acquisition (DAS) system continuously. [N.J.A.C. 7:27-22.16(o)]	None.
22	Maximum Gross Heat Input <= 124.3 MMBTU/hr (HHV). The Enclosed Flare shall be limited to. [N.J.A.C. 7:27-22.16(e)]	Maximum Gross Heat Input: Monitored by documentation of construction once initially. [N.J.A.C. 7:27-22.16(o)]	None.	None.
23	Destruction and Removal Efficiency >= 98 %. The flare shall be designed to operate at a minimum VOC. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
24	Residence Time >= 0.5 seconds. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

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Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
25	Temperature >= 1,500 degrees F. Minimum temperature at flare exit. [N.J.A.C. 7:27-22.16(e)]	Temperature: Monitored by temperature instrument continuously, based on an instantaneous determination. The monitor shall be equipped with a low temperature alarm, or other operational warning system, which notifies the operator the temperature of combustion by-products at flare exit has fallen below 1500 degrees Fahrenheit. The temperature sensor shall be installed at the exit of the combustion chamber and it shall be properly shielded from direct contact with the flame. The alarm light shall be designed to activate when the flare shuts down. [N.J.A.C. 7:27-22.16(o)]	Temperature: Recordkeeping by strip chart or data acquisition (DAS) system continuously. [N.J.A.C. 7:27-22.16(o)]	None.
26	The flare shall be equipped with an automatic shut-off of the flow of gas to the flare when flare combustion ceases and cannot be restarted by automaic re-light system. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
27	The permittee shall monitor the flare pilot burners by a thermocouple or any equivalent device to ensure the presence of a pilot flame. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
28	The permittee shall install, operate and maintain an automatic system (or equivalent) on the flare to relight the flare pilots to maintain flare combustion. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
29	The flare shall have a smokeless design. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
30	THC Concentration <= 50 ppmvd @ 7% O2 , expressed as equivalent methane (CH4) and including CH4 or 5% of the maximum THC entering the flare, averaged over any consecutive 60-minute period. Maximum emission rate from preconstruction permit. The maximum allowable emissions shall be the greater of the two emission rates. [N.J.A.C. 7:27-22.16(e)]	THC Concentration: Monitored by stack emission testing prior to permit renewal, based on each of three Department validated stack test runs. See the stack testing requirements in OS Summary. Alternatively, the permitte may use the results for Methane mesured in lbs/hr to calculate THC ppmvd. [N.J.A.C. 7:27-22.16(o)]	THC Concentration: Recordkeeping by stack test results upon occurrence of event. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	Submit a report: Within 60 days of stack testing. [N.J.A.C. 7:27-22.16(o)]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
31	THC Emissions <= 25 ppmvd uncorrected for O2 concentrations in the flue gas. [N.J.A.C. 7:27-22.16(e)]	THC Emissions: Monitored by stack emission testing prior to permit renewal, based on each of three Department validated stack test runs. See the stack testing requirements in OS Summary.Alternatively, the permitte may use the results for Methane mesured in lbs/hr and calculate THC ppmvd. [N.J.A.C. 7:27-22.16(o)]	THC Emissions: Recordkeeping by stack test results upon occurrence of event. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	Submit a report: Within 60 days of stack testing for methane. [N.J.A.C. 7:27-22.16(o)]
32	H2S <= 0.06 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
33	Ethyl mercaptan <= 0.01 lb/hr. Reduced sulfur hydrocarbon compounds as. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
34	The Permittee shall sample and analyze the landfill gas for methane on daily basis. [N.J.A.C. 7:27-22.16(e)]	Monitored by gas sampling daily, based on an instantaneous determination. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. [N.J.A.C. 7:27-22.16(o)]	None.
35	The Permittee shall sample and analyze the quality and quantity of the landfill gas for Toxics (TXS), Hazardous Air Pollutants (HAPS), chlorinated compounds, and Hydrogen Sulfide (H2S). [N.J.A.C. 7:27-22.16(a)]	Monitored by gas sampling annually, based on an instantaneous determination. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by certified lab analysis results at the approved frequency and manual logging of parameter (permanently bound), annually. [N.J.A.C. 7:27-22.16(o)]	Submit test results: As per the approved schedule. Within 60 days of sampling, send certified analytical results to: 1) Chief, Bureau of Technical Services, NJDEP, PO Box 437, 380 Scotch Rd, West Trenton, NJ 08625-0437; and 2) Chief, Central Regional Enforcement Office, NJDEP, 22 South Clinton Avenue, 4 Station Plaza, P.O. Box 407, Trenton, NJ 08625-0407. [N.J.A.C. 7:27-22.16(o)]
36	Opacity: There shall be no visible emissions except for periods not to exceed a total of 5 minutes during any 2 consecutive hours. The observation period is 2 hours and shall be used according to USEPA Method 22. (NSPS 40 CFR 60, Subpart A - General Provisions). [40 CFR 60.18(c)(1)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
37	Flare shall be operated with a flame present at all times. (NSPS 40 CFR 60, Subpart A - General Provisions). [40 CFR 60.18(c)(2)]	Other: Monitored by a thermocouple or any other equivalent device to detect the presence of a flame. Continuously when the flare is in operation.[40 CFR 60.18(c)(2)].	Other: Recordkeeping by manual logging in a permanently bound log book. All periods of operation of the enclosed flare providing start-up time, shut down time, reason for operation and name of operator making the entry must be recorded at occurence of event.[N.J.A.C. 7:27-22.16(o)].	None.
38	Net Heating Value of Gas Flared >= 200 BTU/scf (NSPS 40 CFR 60, Subpart A - General Provisions). [40 CFR 60.18(c)(3)(ii)]	None.	None.	None.
39	Exit Gas Velocity < 60 ft/sec (NSPS 40 CFR 60, Subpart A - General Provisions). [40 CFR 60.18(c)(3)] &. [40 CFR 60.18(c)(4)(i)]	None.	None.	None.
40	Flares shall be monitored to ensure that they are operated and maintained in conformance with their designs. [40 CFR 60.18(d)]	Other: Monitored by a thermocouple or any other equivalent device to detect the presence of a flame. Continuously when the flare is in operation.[N.J.A.C. 7:27-22.16(o)].	Other: Recordkeeping by manual logging in a permanently bound log book. All periods of operation of the enclosed flare providing start-up time, shut down time, reason for operation and name of operator making the entry must be recorded at occurence of event.[N.J.A.C. 7:27-22.16(o)].	None.
41	Flares shall be operated at all times when emissions may be vented to them. [40 CFR 60.18(e)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U3 Phase III and IV- Landfill Gas Collection, subject to NSPS 40 CFR 60 Subpart A & 40 CFR 62 Subpart OOO and MACT 40 CFR 63 Subparts A & AAAA**

Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	SUMMARY OF FEDERAL REGULATIONS: (GR1, GR2, GR3 and GR4) * NSPS 40 CFR 60, Subpart A - General Provisions * NSPS 40 CFR 62, Subpart OOO -- Federal Plan Requirements for Municipal Solid Waste Landfills That Commenced Construction On or Before July 17, 2014 and Have Not Been Modified or Reconstructed Since July 17, 2014. * MACT 40 CFR 63, Subpart A - General Provisions * MACT 40 CFR 63, Subpart AAAA - National Emission Standards for Hazardous Air Pollutants: Municipal Solid Waste Landfills) [40 CFR Federal Rules Summary]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
2	RENEWAL STACK TESTING SUMMARY: Beginning with the stack test conducted after approval of BOP180001, the permittee shall conduct a stack test no later than every five years (see General Provisions) from the last stack test using an approved protocol at emission point PT101 to demonstrate compliance with the CO, NOx, VOC, SO2, methane and NMOC emission limits as specified in the compliance plan for OS2. Testing must be conducted at worst-case permitted operating conditions with regard to meeting the applicable emission standards, without creating an unsafe condition (at the maximum load and lower operating temperature.) [N.J.A.C. 7:27-22.16(a)]	Monitored by stack emission testing prior to permit expiration date. Unless otherwise approved in the stack test protocol or by the Department, each test run shall be 60 minutes in sampling duration. Stack test shall be conducted for CO, NOx, methane, THC and NMOC emissions . [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by stack test results upon occurrence of event. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. Submit a stack test protocol to the Emission Measurement Section (EMS) at Mail Code: 09-01, PO Box 420, Trenton, NJ 08625 no later than 12 months prior to the completion of the five year period since the last stack test. The protocol and test report must be prepared and submitted on a CD using the Electronic Reporting Tool (ERT), unless another format is approved by EMS. The ERT program can be downloaded at: https://www.epa.gov/chief. Within 30 days of protocol approval or no less than 60 days prior to the testing deadline, whichever is later, the permittee must contact EMS at 609-984-3443 to schedule a mutually acceptable test date. A full stack test report must be submitted to EMS and a certified summary test report must be submitted to the Regional Enforcement Office within 45 days after performing the stack test pursuant to N.J.A.C. 7:27-22.19(d). The test results must be certified by a licensed professional engineer or certified industrial hygienist. [N.J.A.C. 7:27-22.18(e)] and [N.J.A.C. 7:27-22.18(h)]. [N.J.A.C. 7:27-22.18(h)]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
3	Testing performed to verify compliance shall be based on a 60 minute period during which the control apparatus is used and operated under conditions acceptable to the Department and consistent with the operational parameters and limits set forth in any permit or certificate in effect. If circumstances require that test periods be less than, or more than 60 minutes (such as when an operational duration is less than 60 minutes or when detectability limits are approached for low concentration gas streams), the Department may require different test periods in its review and approval of test protocols. [N.J.A.C. 7:27-16.22(g)]	None.	None.	None.
4	The expanded capacity plus the existing capacity of the Phase III Landfill of 14,500,000 cubic yards results in a total of 20,269,771 Mg of waste capacity for the Phase III and IV Landfills combined. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	Phase III and Phase IV – Landfill Gas Collection subject to NSPS 40 CFR 62 Subpart OOO (Federal Plan Requirements for Municipal Solid Waste Landfills that Commenced Construction On or Before July 17, 2014 and Have Not Been Modified or Reconstructed Since July 17, 2014) and NESHAPS 40 CFR 63 Subpart AAAA. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
6	Maximum inlet landfill gas flow to the enclosed flare Flowrate <= 3,700 SCFM. [N.J.A.C. 7:27-22.16(a)]	Flowrate: Monitored by gas flow rate instrument continuously (in scfm). The flow rate monitoring system shall: (1) correct and report from actual to standard cubic feet; (2) have an overall accuracy of not less than 0.5% or the best accuracy available; (3) be installed and operated in accordance with the instructions of the manufacturer; and (4) be equipped with a totalizer to continuously monitor the cumulative amount of landfill gas directed to the flare in scf. [N.J.A.C. 7:27-22.16(o)]	Flowrate: Recordkeeping by data acquisition system (DAS) / electronic data storage continuously. [N.J.A.C. 7:27-22.16(o)]	None.
7	Total cumulative gas flow to the enclosed flare in any calendar year, Flowrate <= 1,945 MMft^3/yr. [N.J.A.C. 7:27-22.16(a)]	Flowrate: Monitored by gas flow rate instrument continuously (in scfm). The flow rate monitoring system shall: (1) correct and report from actual to standard cubic feet; (2) have an overall accuracy of not less than 0.5% or the best accuracy available; (3) be installed and operated in accordance with the instructions of the manufacturer; and (4) be equipped with a totalizer to continuously monitor the cumulative amount of landfill gas directed to the flare in scf. [N.J.A.C. 7:27-22.16(o)]	Flowrate: Recordkeeping by data acquisition system (DAS) / electronic data storage continuously. [N.J.A.C. 7:27-22.16(o)]	None.
8	Maximum Gross Heat Input <= 124.3 MMBTU/hr (HHV) to the Enclosed Flare. This is based on HHV of landfill gas at 560 BTU/cf. [N.J.A.C. 7:27-22.16(e)]	Maximum Gross Heat Input: Monitored by documentation of construction once initially. [N.J.A.C. 7:27-22.16(o)]	None.	None.
9	CO <= 32.7 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
10	NOx (Total) <= 27.2 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
11	VOC (Total) <= 1.3 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
12	VOC (Total) <= 19.8 tons/yr. Annual emission limit based on the expected gas generation, collection system efficiency and no co-disposal. Uncollected. [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by calculations at the approved frequency with renewal application. [N.J.A.C. 7:27-22.16(o)]	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
13	SO2 <= 32.84 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
14	TSP <= 9.9 tons/yr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
15	PM-10 (Total) <= 9.9 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
16	PM-2.5 (Total) <= 9.9 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
17	Annual emission limit based on the expected gas generation, collection system efficiency and no co-disposal for Non methane Organic compound (NMOC) = 50.76 ton per year(uncollected).This is as per Renewal application BOP 12-0001. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
18	Methane <= 7,940 tons/yr uncollected. Based on expected waste deposition until 2018. [N.J.A.C. 7:27-22.16(a)]	Methane: Monitored by calculations once initially. Based on the waste acceptance rate and using EPA Model and applying 60% collection efficiency, leaving 40% as uncollected. [N.J.A.C. 7:27-22.16(o)]	Methane: Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. [N.J.A.C. 7:27-22.16(o)]	None.
19	H2S <= 3.374 tons/yr uncollected. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
20	H2S <= 30 ppbv averaged over any 30-minute period at or beyond the property line of the landfill. [N.J.A.C. 7:27- 7.3]	Monitored by periodic emission monitoring each week during operation. 1. Periodic emission monitoring system approved, by Department's Bureau of Air Monitoring, shall be used to obtain a 30-minute average (5-minute block basis) reading. 2. Monitoring shall be performed downwind of the landfill at the property's fence line. The Applicant may petition the Department to reduce the frequency of monitoring after the results show compliance for 12-consecutive months period. Such request shall be made through the submittal of a significant permit modification application for Department review. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system each week during operation. Record Date, Time, Name of Persons conducting monitoring, Wind Speed, Wind Direction, Location of Measurement and H2S concentrations. The facility must keep records for 5 years and shall be readily available upon the Department's request. [N.J.A.C. 7:27-22.16(o)]	Submit an equipment protocol: Within 30 days from the date of the approved permit , submit emissions monitoring protocol to the Bureau of Air Monitoring, 401 E. State Street, P.O. Box 420, Mail Code 401-07H,Trenton, NJ 08625-0420, for review and approval. The Guidance document can be found at NJDEP website at the following link: http://www.state.nj.us/dep/aqpp/permitguide/FencelineMonitoringPlanGuidance2018.pdf The applicant shall begin the H2S periodic emissions monitoring within 90 days of protocol approval by the Department. If the H2S ambient concentration at the facility's fence line exceeds 30 ppbv, contact the NJDEP Hotline at 1-877-927-6337 immediately. [N.J.A.C. 7:27-22.16(o)]
21	Acrylonitrile <= 0.00736 tons/yr uncollected. [N.J.A.C. 7:27-22.16(a)]	Acrylonitrile: Monitored by calculations prior to permit expiration date with Renewal application. [N.J.A.C. 7:27-22.16(o)]	None.	None.
22	Benzene <= 0.06 tons/yr fugitive, uncollected. [N.J.A.C. 7:27-22.16(a)]	Benzene: Monitored by calculations prior to permit expiration date. [N.J.A.C. 7:27-22.16(o)]	None.	None.
23	Dichloroethane (1,2-) <= 0.0402 tons/yr fugitive, uncollected. [N.J.A.C. 7:27-22.16(a)]	Dichloroethane (1,2-): Monitored by calculations prior to permit expiration date. [N.J.A.C. 7:27-22.16(o)]	None.	None.
24	Ethylbenzene <= 0.357 tons/yr fugitive, uncollected. [N.J.A.C. 7:27-22.16(a)]	Ethylbenzene: Monitored by calculations prior to permit expiration date fugitive, uncollected. [N.J.A.C. 7:27-22.16(o)]	None.	None.
25	Tetrachloroethane (1,1,2,2-) <= 0.0045 tons/yr uncollected. [N.J.A.C. 7:27-22.16(a)]	Tetrachloroethane (1,1,2,2-): Monitored by calculations prior to permit expiration date with Renewal application. [N.J.A.C. 7:27-22.16(o)]	None.	None.
26	Trichloroethylene <= 0.0073 tons/yr fugitive, uncollected. [N.J.A.C. 7:27-22.16(a)]	Trichloroethylene: Monitored by calculations prior to permit expiration date. [N.J.A.C. 7:27-22.16(a)]	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
27	Vinyl chloride <= 0.0167 tons/yr uncollected. [N.J.A.C. 7:27-22.16(a)]	with Renewal application. Vinyl chloride: Monitored by calculations prior to permit expiration date. [N.J.A.C. 7:27-22.16(o)]	None.	None.
28	The maximum expected landfill gas generation rate shall be determined using the maximum Phase III and Phase Iv design capacity, 20,269,771 megagrams, 28,000,000 cy of approved landfill space, as per Solid Waste permit. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
29	This facility is subject to the provisions of NSPS Subpart A and Subpart OOO. The facility shall comply with all applicable requirements (See groups GR1 and GR2.). [40 CFR 60]	None.	None.	None.
30	Existing affected sources and area sources must comply with the requirements of 40 CFR 63, subpart AAAA (see GR4) and with the general provisions of this part. Refer to GR3. [40 CFR 63.1945(f)] & [40 CFR 63.1955(b)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U3 Phase III and IV- Landfill Gas Collection, subject to NSPS 40 CFR 60 Subpart A & 40 CFR 62 Subpart OOO and MACT 40 CFR 63 Subparts A & AAAA**

Operating Scenario: **OS2 3700 CFM LFG Flare**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 7.98 lb/hr. Maximum allowable emission rate based on flowrate and temperature,. [N.J.A.C. 7:27-6.2(a)]	None.	None.	None.
2	No person shall cause, suffer, allow or permit particles to be emitted from any stack or chimney of which is greater than 20 percent opacity, exclusive of water vapor, except for a period not longer than three minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-6.2(d)] & [N.J.A.C. 7:27- 6.2(e)]	None.	None.	None.
3	The concentration of SO2 in the gases being discharged shall not exceed 2000 ppm by volume at standard conditions. [N.J.A.C. 7:27- 7.2(b)1]	None.	None.	None.
4	SO2 <= 24 lb/hr. Maximum allowable emission in any 60 minute period. [N.J.A.C. 7:27- 7.2(b)2]	None.	None.	None.
5	SO2 <= 48 lb/hr. Maximum allowable emission at any instant. [N.J.A.C. 7:27- 7.2(b)2]	None.	None.	None.
6	The flare shall be designed to reduce the concentration of NMOC by no less than 95%. [N.J.A.C. 7:27-16.13(a)]	None.	None.	None.
7	The flare shall be installed, operated and maintained in accordance with the specifications provided by the manufacturer. [N.J.A.C. 7:27-16.13(a)]	Monitored by documentation of construction once initially. [N.J.A.C. 7:27-22.16(o)]	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
8	The owner or operator shall inspect the flare before May 1 annually to verify that the flare continues to be operated in accordance with the manufacturer's specifications for the operation of the flare. The owner or operator shall record the following in a permanently bound log book at the conclusion of each inspection: (1) name of person conducting the inspection; (2) date on which the inspection was conducted; (3) an entry indicating which flare was inspected; (4) any changes or adjustments made to the flare as a result of the inspection; and (5) a statement stating that the flare is currently being operated in compliance with the manufacturer's specifications. [N.J.A.C. 7:27-16.13(c)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. Record the following in a permanently bound log book at the conclusion of each inspection: 1. The name of the person conducting the inspection; 2. The date on which the inspection was conducted; 3. An entry indicating which flare was inspected; 4. Any changes or adjustments made to the flare as a result of the inspection; and 5. A statement stating that the flare is currently being operated in compliance with the manufacturer's specifications. The above records shall be maintained unless approval to maintain records other than those above has been granted by DEP and EPA pursuant to provisions at N.J.A.C. 7:27-16.22. [N.J.A.C. 7:27-16.13(c)]	None.
9	Opacity: no visible emissions, exclusive of condensed water vapor, except for a period no longer than 3 minutes in any consecutive 30 minute period. [N.J.A.C. 7:27-22.16(e)]	Opacity: Monitored by visual determination each month during operation. [N.J.A.C. 7:27-22.16(o)]	Opacity: Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
10	Opacity: There shall be no visible emissions, exclusive of condensed water vapor. [N.J.A.C. 7:27-22.16(e)]	Monitored by visual determination each month during operation, based on any consecutive 30-minute period. For compliance with the opacity standard, the permittee shall conduct visual opacity inspections during daylight hours. Visual inspections shall consist of a visual survey to identify if the stack has visible emissions, (other than condensed water vapor), greater than the prescribed standard (See Applicable Requirement). If visible emissions are observed, the permittee shall do the following: (1) Verify that the equipment and/or control device causing the emission is operating according to manufactures specifications and the operating permit compliance plan. If the equipment or control device is not operating properly, the permittee shall take corrective action immediately to eliminate the excess emissions. The permittee must report any permit violations to NJDEP pursuant to N.J.A.C. 7:27-22.19.; (2) If the corrective action taken in step (1) does not correct the opacity problem within 24 hours, the applicant shall perform a check via a certified opacity reader, in accordance with N.J.A.C. 7:27B-2. Such test shall be conducted each day until corrective action is taken to successfully correct the opacity problem. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter each month during operation or electronic logging of parameter once per month during operation. Manually log in a logbook or in readily accessible computer memories and retain the following records: (1) Date and time of inspection; (2) Emission Point number; (3) Operational status of equipment; (4) Observed results and conclusions; (5) Description of corrective action taken if needed; (6) Date and time opacity problem was solved, if applicable; (7) N.J.A.C. 7:27B-2 results if conducted; and (8) Name of person(s) conducting inspection. [N.J.A.C. 7:27-22.16(o)]	Comply with the requirement: As per the approved schedule. The permittee shall report permit violations (excess visible emissions) to the Department pursuant to N.J.A.C. 7:27-22.19. [N.J.A.C. 7:27-22.16(o)]
11	The Enclosed Flare shall be limited to Maximum Gross Heat Input <= 124.3 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(e)]	Maximum Gross Heat Input: Monitored by documentation of construction once initially. [N.J.A.C. 7:27-22.16(o)]	None.	None.
12	The flare shall be operated any time that landfill gas is vented to it. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
13	The flare shall be designed to operate at no less than the minimum operating temperature. Minimum Operating Temperature at the Exit of the Combustion Section >= 1,500 degrees F. [N.J.A.C. 7:27-22.16(e)]	Minimum Operating Temperature at the Exit of the Combustion Section: Monitored by temperature instrument continuously, based on 6 minute blocks. The permittee shall install, operate and maintain an alarm or other operational warning system, properly shielded from direct contact with the flame. The alarm shall be designed to sound at any time flare temperature is detected to be less than the permitted operating temperature. The permittee shall install, calibrate and maintain the monitor(s) in accordance with the manufacturer's specifications. The monitor(s) shall be ranged such that the allowable value is approximately mid-scale of the full range current/voltage output. [N.J.A.C. 7:27-22.16(o)]	Minimum Operating Temperature at the Exit of the Combustion Section: Recordkeeping by strip chart or data acquisition (DAS) system continuously. Round charts may be used until it becomes active for two consecutive quarters for more than 100 hours per quarter. Once hours have been exceeded, the DAS syatem shall be in operation within 180 days. [N.J.A.C. 7:27-22.16(o)]	None.
14	Temperature at flare exit shall be a Minimum Temperature >= 1,500 degrees F. [N.J.A.C. 7:27-22.16(e)]	Temperature: Monitored by temperature instrument continuously, based on an instantaneous determination. The monitor shall be equipped with a low temperature alarm, or other operational warning system, which notifies the operator the temperature of combustion by-products at flare exit has fallen below 1500 degrees Fahrenheit. The temperature sensor shall be installed at the exit of the combustion chamber and it shall be properly shielded from direct contact with the flame. The alarm light shall be designed to activate when the flare shuts down. [N.J.A.C. 7:27-22.16(o)]	Round charts may be used until it becomes active for two consecutive quarters for more than 100 hours per quarter. Once hours have been exceeded, the DAS syatem shall be in operation within 180 days. Temperature: Recordkeeping by strip chart or data acquisition (DAS) system continuously. [N.J.A.C. 7:27-22.16(o)]	None.
15	The flare shall be designed to operate at no less than the minimum residence time. Minimum Residence Time >= 0.5 seconds. [N.J.A.C. 7:27-22.16(e)]	None.	Other: maintain manufacturer's specifications.[N.J.A.C. 7:27-22.16(o)].	None.
16	The permittee shall monitor the flare pilot burners by a thermocouple or any equivalent device to ensure the presence of a pilot flame. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
17	The permittee shall install, operate and maintain an automatic system (or equivalent) on the flare to relight the flare pilots to maintain flare combustion. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
18	The flare shall be equipped with an automatic shut-off of the flow of gas to the flare when flare combustion ceases and cannot be restarted by automatic re-light system. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
19	The flare shall have a smokeless design. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
20	A flare retainer shall be installed on this stack for the purpose of reducing night glare. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
21	The methane content of the landfill gas to the flare shall not be less than 35%. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
22	The Permittee shall sample and analyze the quality and quantity of the landfill gas for Toxics (TXS), Hazardous Air Pollutants (HAPS), chlorinated compounds , Methane and Hydrogen Sulfide (H2S). [N.J.A.C. 7:27-22.16(a)]	Monitored by gas sampling annually, based on an instantaneous determination. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by certified lab analysis results annually and manual logging of parameter. [N.J.A.C. 7:27-22.16(o)]	Submit test results: As per the approved schedule. Within 60 days of sampling, send certified analytical results to: 1) Chief, Bureau of Technical Services, NJDEP, PO Box 437, 380 Scotch Rd, West Trenton, NJ 08625-0437; and 2) Chief, Central Regional Enforcement Office, NJDEP, 22 South Clinton Avenue, 4 Station Plaza, P.O. Box 407, Trenton, NJ 08625-0407. [N.J.A.C. 7:27-22.16(o)]
23	The Department reserves the right to require that auxiliary fuel be added to the flare to ensure proper combustion based on the analytical results of the landfill gas stream sampling. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
24	CO <= 7.46 lb/hr. [N.J.A.C. 7:27-22.16(e)]	CO: Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on each of three Department validated stack test runs. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	CO: Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
25	CO <= 100 ppmvd @ 7% O2. [N.J.A.C. 7:27-22.16(e)]	CO: Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on each of three Department validated stack test runs. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	CO: Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]
26	NOx (Total) <= 6.22 lb/hr. [N.J.A.C. 7:27-22.16(e)]	NOx (Total): Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	NOx (Total): Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]
27	VOC (Total) <= 0.3 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
28	SO2 <= 7.5 lb/hr. [N.J.A.C. 7:27-22.16(e)]	SO2: Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	SO2: Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]
29	TSP <= 2.08 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]
30	PM-10 (Total) <= 2.08 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
31	PM-2.5 (Total) <= 2.08 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
32	CO <= 50 ppmvd uncorrected for O2 concentrations in the flue gas Maximum emission rate when the percent oxygen in the flue gas is greater than 14%,. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
33	Methane <= 94.93 lb/hr uncombusted at flare stack. [N.J.A.C. 7:27-22.16(e)]	Methane: Monitored by stack emission testing prior to permit renewal, based on the average of three Department validated stack test runs. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	Methane: Recordkeeping by stack test results upon occurrence of event. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
34	THC Concentration <= 50 ppmvd @ 7% O2 , expressed as equivalent methane (CH4) and including CH4 or 5% of the maximum THC entering the flare, averaged over any consecutive 60-minute period. The maximum allowable emissions shall be the greater of the two emission rates. [N.J.A.C. 7:27-22.16(e)]	THC Concentration: Monitored by stack emission testing prior to permit expiration date, based on the average of three Department validated stack test runs. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	THC Concentration: Recordkeeping by stack test results upon occurrence of event. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]
35	Acrylonitrile <= 0.0001 lb/hr. [N.J.A.C. 7:27-22.16(a)]	Acrylonitrile: Monitored by calculations once initially and prior to permit expiration date. [N.J.A.C. 7:27-22.16(o)]	Acrylonitrile: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially and prior to permit expiration date. [N.J.A.C. 7:27-22.16(o)]	You must keep, and have readily available upon request by the Department: Upon occurrence of event. [None]
36	Vinyl chloride <= 0.0001 lb/hr. [N.J.A.C. 7:27-22.16(a)]	Vinyl chloride: Monitored by calculations once initially and prior to permit expiration date. [N.J.A.C. 7:27-22.16(o)]	Vinyl chloride: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially and prior to permit expiration date. [N.J.A.C. 7:27-22.16(o)]	You must keep, and have readily available upon request by the Department: Upon occurrence of event. [N.J.A.C. 7:27-22.16(o)]
37	Tetrachloroethane (1,1,2,2-) <= 0.0001 lb/hr. [N.J.A.C. 7:27-22.16(a)]	Tetrachloroethane (1,1,2,2-): Monitored by calculations once initially and prior to permit expiration date. [N.J.A.C. 7:27-22.16(o)]	Tetrachloroethane (1,1,2,2-): Recordkeeping by manual logging of parameter or storing data in a computer data system once initially and prior to permit expiration date. [N.J.A.C. 7:27-22.16(o)]	You must keep, and have readily available upon request by the Department: Upon occurrence of event. [N.J.A.C. 7:27-22.16(o)]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U4 MSW Materials Processing and Recovery Facility**
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 three minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-6.2(d)] &. [N.J.A.C. 7:27- 6.2(e)]	Opacity: Monitored by visual determination each month during operation, based on an instantaneous determination [N.J.A.C.7:27-6.2(d)] &. [N.J.A.C. 7:27-6.2(o)]	Opacity: Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. [N.J.A.C. 7:27-22.16(o)]	None.
2	There shall be no visible emissions, exclusive of visible condensed water vapor. [N.J.A.C. 7:27-22.16(e)]	Other: Periodic visual inspections.[N.J.A.C. 7:27-22.16(a)].	None.	None.
3	Particulate Emissions <= 0.02 gr/scf. Grain loading may not exceed (at any time),. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
4	Waste Processing Rate <= 3,500 tons/day. The permitte shall process no more than 1660 tons/day (averaged over any calendar year) and no more than Maximum. [N.J.A.C. 7:27-22.16(a)]	Waste Processing Rate: Monitored by calculations annually. [N.J.A.C. 7:27-22.16(o)]	Waste Processing Rate: Recordkeeping by manual logging of parameter or storing data in a computer data system daily. [N.J.A.C. 7:27-22.16(o)]	None.
5	There shall be no fugitive emissions (emissions not vented through any of the four stacks) to the atmosphere from the building. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
6	TSP <= 12.26 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	PM-10 (Total) <= 5.78 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	PM-2.5 (Total) <= 1.79 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Ethyl mercaptan <= 0.44 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
10	H2S <= 0.08 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
11	TSP <= 4.46 lb/hr. Maximum emission rate from all four stacks. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
12	PM-10 (Total) <= 2.09 lb/hr. Maximum emission rate from all four stacks. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
13	PM-2.5 (Total) <= 1.79 lb/hr. Maximum emission rate from all four stacks. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
14	Ethyl mercaptan <= 0.16 lb/hr. Maximum emission rate from all four stacks. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
15	Hydrogen sulfide <= 0.03 lb/hr. Maximum emission rate from all four stacks. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
16	Hours of Operation <= 5,500 hr/yr. (total for entire MPRF ventilation system), based on any calendar year. [N.J.A.C. 7:27-22.16(a)]	Hours of Operation: Monitored by hour/time monitor once per shift during operation. [N.J.A.C. 7:27-22.16(o)]	Hours of Operation: Recordkeeping by manual logging of parameter or storing data in a computer data system once per shift during operation. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U4 MSW Materials Processing and Recovery Facility**
Operating Scenario: **OS1 F123M - Type 13 waste tipping floor and materials recovery area, controlled by Dust Collector CD5**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 30 lb/hr. [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
2	Only building air collected from Type 13 waste and the recovery area shall be vented to stack F123M. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	The Air Pollution Control Device shall consist of three (3) parallel filter units each equipped with (1) 4 ply Tri-Dek XL panel filter, or equivalent particulate filter media. If the equipment causes an air contaminant to be detectable by the sense of smell, to be present in the outdoor atmosphere in such quantity or duration which is, or tends to be, injurious to human health or welfare, animal or plant life or property, or would unreasonably interfere with the enjoyment of life or property, except in areas over which the permittee has exclusive use or occupancy, the permittee shall install and operate one (1) carbon adsorption filter for each unit. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
4	Pressure Drop >= 0.5 and Pressure Drop <= 4.5 inches w.c.. Permittee shall perform maintenance within 24 hours after observing differential pressure higher or lower than the limit. [N.J.A.C. 7:27-16(a)] &. [N.J.A.C. 7:27-22.16(e)]	Pressure Drop: Monitored by pressure measurement device continuously. The permittee shall visually check the pressure (differential) gauge every month during operation. The permittee shall install, calibrate and maintain the monitor(s) in accordance with the manufacturer's specifications. [N.J.A.C. 7:27-22.16(o)]	Pressure Drop: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The permittee shall record the time and date of each particulate filter panel replacement. [N.J.A.C. 7:27-22.16(o)]	Repair equipment: Upon occurrence of event. The particulate filter panels shall be replaced when pressure drop exceeds the specified range. [N.J.A.C. 7:27-22.16(o)]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
5	Pressure Drop Across the Baghouse < 0.5 inches w.c. is allowable for up to 3 days immediately following a filter replacement to allow for steady state operation to be achieved. [N.J.A.C. 7:27-22.16(e)]	Pressure Drop Across the Baghouse: Monitored by pressure drop instrument daily, based on an instantaneous determination. [N.J.A.C. 7:27-22.16(o)]	Pressure Drop Across the Baghouse: Recordkeeping by manual logging of parameter or storing data in a computer data system daily until pressure differential reaches normal range. Bag replacement shall be recorded. [N.J.A.C. 7:27-22.16(o)]	None.
6	The owner or operator shall inspect the filters per the manufacturer's recommended procedures to ensure that no bags are leaking and to prevent dust from entering the atmosphere. [N.J.A.C. 7:27-22.16(a)]	Monitored by visual determination annually (according to the manufactruer's recommendation or no less than annually.). [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. Record the date and the results of the inspection. Also, record the date(s) any maintenance was accomplished. The records shall include a description of work performed and the name of the person who performed the activity or inspection. [N.J.A.C. 7:27-22.16(o)]	None.
7	Flowrate <= 180,000 ACFM. Maximum Operating Exhaust Gas Flow Rate. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U4 MSW Materials Processing and Recovery Facility**
Operating Scenario: **OS2 F456M - Type 10 waste tipping floor, controlled by Dust Collector CD6**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 30 lb/hr. [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
2	All building emissions collected from waste processing areas with Type 10 wastes shall be vented to the carbon filter vents. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	The Air Pollution Control Device shall consist of three (3) parallel filter units each equipped with one (1) 4 ply Tri-Dek XL panel filter, or equivalent particulate filter media, and one (1) carbon adsorption filter per unit. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
4	Pressure Drop >= 0.5 and Pressure Drop <= 4.5 inches w.c.. Permittee shall perform maintenance within 24 hours after observing differential pressure higher or lower than the limit. [N.J.A.C. 7:27-16(a)] &. [N.J.A.C. 7:27-22.16(e)]	Pressure Drop: Monitored by pressure measurement device continuously. The permittee shall visually check the pressure (differential) gauge every month during operation. The permittee shall install, calibrate and maintain the monitor(s) in accordance with the manufacturer's specifications. [N.J.A.C. 7:27-22.16(o)]	Pressure Drop: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The permittee shall record the time and date of each particulate filter panel replacement. [N.J.A.C. 7:27-22.16(o)]	Repair equipment: Upon occurrence of event. The particulate filter panels shall be replaced when pressure drop exceeds the specified range. [N.J.A.C. 7:27-22.16(o)]
5	Pressure Drop Across the Baghouse < 0.5 inches w.c. is allowable for up to 3 days immediately following a filter replacement to allow for steady state operation to be achieved. From renewal application BOP080002. [N.J.A.C. 7:27-22.16(a)]	Pressure Drop Across the Baghouse: Monitored by pressure drop instrument daily, based on an instantaneous determination. [N.J.A.C. 7:27-22.16(o)]	Pressure Drop Across the Baghouse: Recordkeeping by manual logging of parameter or storing data in a computer data system daily until pressure differential reaches normal range. Bag replacement shall be recorded. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
6	The owner or operator shall inspect the filters per the manufacturer's recommended procedures to ensure that no bags are leaking and to prevent dust from entering the atmosphere. [N.J.A.C. 7:27-22.16(a)]	Monitored by visual determination annually (according to the manufactruer's recommendation or no less than annually.). [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. Record the date and the results of the inspection. Also, record the date(s) any maintenance was accomplished. The records shall include a description of work performed and the name of the person who performed the activity or inspection. [N.J.A.C. 7:27-22.16(o)]	None.
7	Flowrate <= 180,000 ACFM. Maximum Operating Exhaust Gas Flow Rate. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
8	The carbon filters shall be replaced by new units whenever: 1) breakthrough occurs based on carbon testing, or 2) if the equipment causes an air contaminant to be detectable by the sense of smell, to be present in the outdoor atmosphere in such quantity or duration which is, or tends to be, injurious to human health or welfare, animal or plant life or property, or would unreasonably interfere with the enjoyment of life or property, except in areas over which the permittee has exclusive use or occupancy [N.J.A.C. 7:27-22.16(e)]	Monitored by product sampling (provide description) 4 times a year. The permittee shall test carbon media for breakthrough. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system 4 times a year. The permittee shall record the time and date of each carbon panel replacement. [N.J.A.C. 7:27-22.16(o)]	None.
9	Saturated or partially used adsorption materials shall be disposed of in a manner that prevents the release of air contaminants to the atmosphere. This must be done in accordance with State and Federal disposal regulations. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U4 MSW Materials Processing and Recovery Facility**
Operating Scenario: **OS3 F78M - Type 10 waste tipping floor and baling area, controlled by Dust Collector CD7**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 20.24 lb/hr. [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
2	All building emissions collected from waste processing areas with Type 10 wastes shall be vented to the carbon filter vents [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	The Air Pollution Control Device shall consist of two (2) parallel filter units each equipped with one (1) 4 ply Tri-Dek XL panel filter, or equivalent particulate filter media, and one (1) carbon adsorption filter per unit. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
4	Flowrate <= 120,000 ACFM. Maximum Operating Exhaust Gas Flow Rate. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
5	Pressure Drop >= 0.5 and Pressure Drop <= 4.5 inches w.c.. Based on the preconstruction permit. Permittee shall perform maintenance within 24 hours after observing differential pressure higher or lower than the limit. [N.J.A.C. 7:27-16(a)] &. [N.J.A.C. 7:27-22.16(e)]	Pressure Drop: Monitored by pressure measurement device continuously. The permittee shall visually check the pressure (differential) gauge every month during operation. The permittee shall install, calibrate and maintain the monitor(s) in accordance with the manufacturer's specifications. [N.J.A.C. 7:27-22.16(o)]	Pressure Drop: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The permittee shall record the time and date of each particulate filter panel replacement. [N.J.A.C. 7:27-22.16(o)]	Repair equipment: Upon occurrence of event. The particulate filter panels shall be replaced when pressure drop exceeds the specified range. [N.J.A.C. 7:27-22.16(o)]
6	Pressure Drop Across the Baghouse < 0.5 inches w.c. is allowable for up to 3 days immediately following a filter replacement to allow for steady state operation to be achieved. [N.J.A.C. 7:27-22.16(a)]	Pressure Drop Across the Baghouse: Monitored by pressure drop instrument daily, based on an instantaneous determination. [N.J.A.C. 7:27-22.16(o)]	Pressure Drop Across the Baghouse: Recordkeeping by manual logging of parameter or storing data in a computer data system daily until pressure differential reaches normal range. Bag replacement shall be recorded. From renewal BOP080002. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	The owner or operator shall inspect the filters per the manufacturer's recommended procedures to ensure that no bags are leaking and to prevent dust from entering the atmosphere. [N.J.A.C. 7:27-22.16(a)]	Monitored by visual determination annually (according to the manufactruer's recommendation or no less than annually.). [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. Record the date and the results of the inspection. Also, record the date(s) any maintenance was accomplished. The records shall include a description of work performed and the name of the person who performed the activity or inspection. [N.J.A.C. 7:27-22.16(o)]	None.
8	The carbon filters shall be replaced by new units whenever 1) breakthrough occurs based on carbon testing, or 2) if the equipment causes an air contaminant to be detectable by the sense of smell, to be present in the outdoor atmosphere in such quantity or duration which is, or tends to be, injurious to human health or welfare, animal or plant life or property, or would unreasonably interfere with the enjoyment of life or property, except in areas over which the permittee has exclusive use or occupancy [N.J.A.C. 7:27-22.16(e)]	Monitored by product sampling (provide description) 4 times a year. The permittee shall test carbon media for breakthrough. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system 4 times a year. The permittee shall record the time and date of each carbon panel replacement. [N.J.A.C. 7:27-22.16(o)]	None.
9	Saturated or partially used adsorption materials shall be disposed of in a manner that prevents the release of air contaminants to the atmosphere. This must be done in accordance with State and Federal disposal regulations. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U4 MSW Materials Processing and Recovery Facility**
Operating Scenario: **OS4 PMB - Processing and recovery equipment (conveyor transfer chutes, magnet, and balers), controlled by Dust Collector CD8**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 3.69 lb/hr. [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
2	All building emissions collected from dust hoods over processing and recovery equipment such as conveyor transfer chutes, magnet and balers shall be vented to the cyclone/baghouse. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	The Air Pollution Control Device shall consist of one (1) cyclone/baghouse. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
4	Pressure Drop >= 2 and Pressure Drop <= 8 inches w.c.. [N.J.A.C. 7:27-22.16(e)]	Pressure Drop: Monitored by pressure measurement device continuously. The permittee shall visually check the pressure (differential) gauge every month during operation. The permittee shall install, calibrate and maintain the monitor(s) in accordance with the manufacturer's specifications. [N.J.A.C. 7:27-22.16(o)]	Pressure Drop: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The permittee shall record the time and date of each particulate filter panel replacement. [N.J.A.C. 7:27-22.16(o)]	Repair equipment: Upon occurrence of event. The particulate filter panels shall be replaced when pressure drop exceeds the specified range. [N.J.A.C. 7:27-22.16(o)]
5	The owner or operator shall inspect the filters per the manufacturer's recommended procedures to ensure that no bags are leaking and to prevent dust from entering the atmosphere. [N.J.A.C. 7:27-22.16(a)]	Monitored by visual determination annually (according to the manufactruer's recommendation or no less than annually.). [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. Record the date and the results of the inspection. Also, record the date(s) any maintenance was accomplished. The records shall include a description of work performed and the name of the person who performed the activity or inspection. [N.J.A.C. 7:27-22.16(o)]	None.
6	Flowrate <= 21,600 ACFM. Maximum Operating Exhaust Gas Flow Rate. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
7	The method of bag cleaning shall be by pulse jet. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
8	The permittee shall conduct bag cleaning, maintenance and replacement on a schedule necessary to achieve the required particulate removal efficiency as specified by the manufacturer. [N.J.A.C. 7:27-22.16(a)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The permittee shall record each instance of bag replacement and inspection. [N.J.A.C. 7:27-22.16(o)]	None.
9	Air-to-Cloth Ratio <= 6.02 other units. (6.02 to 1). [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
10	The bag fabric shall be 16 oz. needle felt glazed polyester, or equivalent. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U5 2.5 MMBtu/hr Boiler - Mechanical Room, MPRF, Subject to MACT 40 CFR 63 Subparts A and JJJJJJ**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	SUMMARY OF FEDERAL REGULATIONS: * MACT 40 CFR 63, Subpart A - General Provisions * MACT 40 CFR 63, Subpart JJJJJJ - Industrial, Commercial, and Institutional Boilers Area Sources [40 CFR Federal Rules Summary]	None.	None.	None.
2	CO <= 0.39 tons/yr. Annual emission limit based on rated heat input of source. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	NOx (Total) <= 1.54 tons/yr. Annual emission limit based on rated heat input of source. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
4	SO2 <= 2.19 tons/yr. Annual emission limit based on rated heat input of source. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
5	All other annual emission limits, based on rated heat input of source are Below Reporting Threshold. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
6	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 40 CFR 63, Subpart JJJJJJ - Industrial, Commercial, and Institutional Boilers Area Sources). [40 CFR 63.11205(a)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The permittee shall keep records of the occurrence and duration of each malfunction of the boiler, or of the associated air pollution control and monitoring equipment. The permittee shall keep records of actions taken during periods of malfunction to minimize emissions in accordance with the general duty to minimize emissions in 40 CFR 63.11205(a), including corrective actions to restore the malfunctioning boiler, air pollution control, or monitoring equipment to its normal or usual manner of operation. The permittee shall maintain all records in accordance with 40 CFR 63.11225(d). [40 CFR 63.11225(c)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	The permittee shall conduct an initial tune-up no later than March 21, 2014 and subsequent once a 5-year tune-ups no later than 61 months after the previous tune-up. The tune-ups shall be conducted, as required in Table 2 to 40 CFR Part 63, Subpart JJJJJJ, and in accordance with 40 CFR 63.11223(b) as follows: (1) As applicable, inspect the burner, and clean or replace any components of the burner as necessary. The burner inspection may be delayed until the next scheduled unit shutdown, not to exceed 36 months (or, in case of oxygen trim system, 72 months) from the previous inspection. (2) Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available. (3) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly. The inspection may be delayed until the next scheduled unit shutdown, not to exceed 36 months (or, in case of oxygen trim system, 72 months) from the previous inspection. (4) Optimize total emissions of carbon monoxide. This optimization should be consistent with the manufacturer's specifications, if available, and with any nitrogen oxide requirement to which the unit is subject. As per 40 CFR 63.11223(b)(7), if the unit is not operating on the required date for a tune-up, the tune-up must be conducted within 30 days of startup. [40 CFR 63.11214(b)]	Monitored by periodic emission monitoring once initially and once every 5 years. Measure the concentrations in the effluent stream of carbon monoxide (CO) in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable CO analyzer. [40 CFR 63.11223(b)(5)]	Recordkeeping by manual logging of parameter or storing data in a computer data system once initially and once every 5 years. The permittee shall keep the following records for a period of 5 years following the date of each recorded action as per 40 CFR 63.11225(d) to document conformance with once every 5 years tune-up: Records identifying each boiler, the date of tune-up, the procedures followed for tune-ups and the manufacturer's specifications to which the boiler was tuned. Per 40 CFR 63.11223(b)(6), the permittee must maintain a report containing the following information on site: (i) The concentrations of CO in the effluent stream in parts per million, by volume, and oxygen in volume percent, measured at high fire or typical operating load, before and after the tune-up of the boiler. (ii) A description of any corrective actions taken as a part of the tune-up of the boiler. (iii) The type and amount of fuel used over the 12 months prior to the tune-up of the boiler, but only if the unit was physically and legally capable of using more than one type of fuel during that period. Units sharing a fuel meter may estimate the fuel use by each unit. Additional recordkeeping is required for each seasonal boiler and each limited-use boiler, per 40 CFR 63.11225(c)(2)(v) and (vi), respectively. [40 CFR 63.11225(c)(2)]	Submit notification: Once initially. Submit a Notification of Compliance status by July 19, 2014 electronically using the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through EPA's Central Data Exchange (CDX) (www.epa.gov/cdx). The Notification of Compliance Status must include the certification(s) of compliance for the following statement: "This facility complies with the requirements in 40 CFR 63.11214 to conduct an initial tune-up of boiler" and must be signed by a responsible official. If the reporting form specific to MACT JJJJJJ is not available in CEDRI at the time that the report is due, the written Notification of Compliance Status must be submitted to the EPA Administrator Region 2 at the appropriate address listed in 40 CFR 63.13. [40 CFR 63.11225(a)(4)]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
8	The permittee must submit the Initial Notification of Applicability no later than January 20, 2014. (MACT 40 CFR 63, Subpart JJJJJJ - Industrial, Commercial, and Institutional Boilers Area Sources). [40 CFR 63.11225(a)(2)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Maintain a copy of the Initial Notification and all supporting documentation for a period of 5 years. [40 CFR 63.11225(c)] and [40 CFR 63.11225(d)]	Submit notification: Once initially by January 20, 2014 or within 120 days after startup of a new source to the Administrator, EPA Region 2, certified by the responsible official. The Initial Notification shall also be submitted to NJ DEP, per 40 CFR 63.13. The permittee may use instructions and the forms provided on the EPA website http://www.epa.gov/ttn/atw/boiler/boilerpg.html . [40 CFR 63.11225]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
9	Prepare a biennial or 5-year, as applicable, compliance certification report by March 1 of the applicable year and submit to the delegated authority upon request, a compliance certification report for the previous calendar years containing the following information: (1) Company name and address. (2) Statement by responsible official, with the official's name, title, phone number, e-mail address, and signature, certifying the truth, accuracy and completeness of the notification and statement of whether the source has complied with all the relevant standards and other requirements of 40 CFR Part 63, Subpart JJJJJJ. The notification must include the following certification(s) of compliance and signed by a responsible official: (i) "This facility complies with the requirements in 40 CFR 63.11223 to conduct a biennial or 5-year tune-up, as applicable, of each boiler." (ii) For units that do not qualify for a statutory exemption as provided in section 129(g)(1) of the Clean Air Act: "No secondary materials that are solid waste were combusted in any affected unit." (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. (MACT 40 CFR 63, Subpart JJJJJJ - Industrial, Commercial, and Institutional Boilers Area Sources). [40 CFR 63.11225(b)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system at the approved frequency. The permittee shall keep the records prescribed at 40 CFR 63.11225(b)(1) through (b)(2). [40 CFR 63.11225(b)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
10	The permittee must provide notice of the date upon which the permittee switched fuels, made the physical change, or took a permit limit that may result in the applicability of a different subcategory or switch out of 40 CFR Part 63, Subpart JJJJJJ due to a switch to 100 percent natural gas. The notice must be provided within 30 days of the change. (MACT 40 CFR 63, Subpart JJJJJJ - Industrial, Commercial, and Institutional Boilers Area Sources). [40 CFR 63.11225(g)]	None.	None.	Submit notification: Upon occurrence of event. Submit a written notification to the Administrator, EPA Region 2. The notification must identify: (1) The name of the owner or operator of the affected source, the location of the source, the boiler(s) that have switched fuels, were physically changed, or took a permit limit, and the date of the notice. (2) The date upon which the fuel switch, physical change, or permit limit occurred. [40 CFR 63.11225(g)]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U5 2.5 MMBtu/hr Boiler - Mechanical Room, MPRF, Subject to MACT 40 CFR 63 Subparts A and JJJJJJ**
Operating Scenario: **OS1 2.5 MMBtu/hr non-utility boiler combusting #2 fuel oil**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.5 lb/hr. 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. [N.J.A.C. 7:27-22.16(o)]	Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	None.
3	Fuel stored in New Jersey that met the applicable maximum sulfur content standard of Tables 1A or 1B of N.J.A.C. 7:27-9.2 at the time it was stored in New Jersey may be used in New Jersey after the operative date of the applicable standard in 1B. [N.J.A.C. 7:27- 9.2(b)]	None.	None.	None.
4	CO <= 0.09 lb/hr based on rated heat input of source. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
5	NOx (Total) <= 0.35 lb/hr based on rated heat input of source. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
6	SO2 <= 0.5 lb/hr based on rated heat input of source. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	No visible emissions, exclusive of visible condensed water vapor, except for a period of not longer than three minutes in any consecutive 30-minute period. For compliance with the monitoring and recordkeeping requirements for the visible emission standards, the permittee shall conduct monthly visual inspections during daylight hours in any month with oil-fired operation. [N.J.A.C. 7:27 - 3.2 (a)] & [N.J.A.C. 7:27- 3.2(c)]	Monitored by visual determination each month during operation, based on the averaging period as per Department approved test method. Visual inspections shall consist of a visual survey to identify if the stack has visible emissions (other than condensed water vapor) greater than the prescribed standard. If visible emissions are observed, the permittee shall: (1) Verify that the equipment and/or control device causing the emissions is operating according to manfacturer's specifications and the operating permit compliance plan. If the equipment and/or control device are not operating properly, the permittee shall take corrective action immediately to eliminate the excess emissions. The permittee must report any permit violation to the NJDEP pursuant to N.J.A.C. 7:27-22.19. (2) If the corrective action taken in step (1) does not correct the visible emissions problem within 24 hours, the applicant shall perform a check via a certified reader in accordance with N.J.A.C. 7:27B-2. Such a test shall be conducted each shift when operating until corrective action is taken to successfully correct the visible emissions problem. The permittee must report any continuing permit violation pursuant to N.J.A.C.7:27-22.19. [N.J.A.C. 7:27-3.2(a)] &. [N.J.A.C. 7:27- 3.2(c)]	Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation (permanently bound). 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 if needed, (6) date and time visible emission 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. 7:27-3.2(a)] &. [N.J.A.C. 7:27- 3.2(c)]	None.
8	Maximum Gross Heat Input <= 2.5 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(e)]	Other: Fuel burner rated capacity.[N.J.A.C. 7:27-22.16(o)].	None.	None.
9	Boiler fuel is limited to #2 ULSD fuel oil. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
10	No. 2 Fuel Oil Usage <= 63,000 gal/yr. [N.J.A.C. 7:27-22.16(e)]	No. 2 Fuel Oil Usage: Monitored by fuel flow/firing rate instrument continuously. [N.J.A.C. 7:27-22.16(o)]	No. 2 Fuel Oil Usage: Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
11	All other emission rates, based on rated heat input of source are Below Reporting Threshold. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U7 1.4 MMBTU/hr Diesel-fired Emergency Generator - Shredder Building, Subject to MACT 40 CFR 63 Subparts A & ZZZZ**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	SUMMARY OF FEDERAL REGULATIONS: * MACT 40 CFR 63, Subpart A - General Provisions * MACT 40 CFR 63, Subpart ZZZZ - Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines [40 CFR Federal Rules Summary]	None.	None.	None.
2	Opacity: The permittee shall not use the equipment in a manner which will cause visible emissions to exceed 20% opacity, exclusive of visible condensed water vapor, for a period of more than 10 consecutive seconds. [N.J.A.C. 7:27- 3.5]	None.	None.	None.
3	Sulfur Content in Fuel <= 15 ppmw. [N.J.A.C. 7:27- 9.2(b)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	None.
4	Fuel stored in New Jersey that met the applicable maximum sulfur content standard of Tables 1A or 1B of N.J.A.C. 7:27-9.2 at the time it was stored in New Jersey may be used in New Jersey after the operative date of the applicable standard in Table 1B. [N.J.A.C. 7:27- 9.2(b)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
5	This emergency generator shall be located at the facility and produce mechanical or thermal energy, or electrical power exclusively for use at the facility. This emergency generator shall be operated only: 1. During the performance of normal testing and maintenance procedures, as recommended in writing by the manufacturer and/or as required in writing by a Federal or State law or regulation, 2. When there is power outage or the primary source of mechanical or thermal energy fails because of an emergency, or 3. When there is a voltage reduction issued by PJM and posted on the PJM internet website (www.pjm.com) under the "emergency procedures" menu. [N.J.A.C. 7:27-19.1]	Monitored by hour/time monitor continuously. [N.J.A.C. 7:27-22.16(o)]	Other: The Permittee shall maintain on site and record in a logbook or computer data system, the following information: 1. For each time the emergency generator is specifically operated for testing or maintenance: i. The reason for its operation; ii. The date(s) of operation and the start up and shut down time; iii. The total operating time for testing or maintenance based on the generator's hour meter; and iv. The name of the operator; and 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.[N.J.A.C. 7:27-19.11].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
6	This emergency generator shall not be used: 1. For normal testing and maintenance on days when the Department forecasts air quality anywhere in New Jersey to be "unhealthy for sensitive groups," "unhealthy," or "very unhealthy" as defined in the EPA's Air Quality Index at http://airnow.gov/, as supplemented or amended and incorporated herein by reference, unless required in writing by a Federal or State law or regulation. Procedures for determining the air quality forecasts for New Jersey are available at the Department's air quality permitting web site at http://www.state.nj.us/dep/aqpp/aqforecast; and 2. As a source of energy or power after the primary energy or power source has become operable again. If the primary energy or power source is under the control of the owner or operator of the emergency generator, the owner or operator shall make a reasonable, timely effort to repair the primary energy or power source. [N.J.A.C. 7:27-19.2(d)]	None.	None.	None.
7	Hours of Operation: The owner or operator of an emergency generator with a maximum rated output of 37 kW or more, shall maintain a record of the total operating time each month. [N.J.A.C. 7:27-19.11(a)]	Hours of Operation: Monitored by hour/time monitor continuously . [N.J.A.C. 7:27-22.16(o)]	Hours of Operation: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation (total operating time from the generator's hour meter.). [N.J.A.C. 7:27-19.11]	None.
8	Smoke emissions no greater than 10% opacity, exclusive of visible condensed water vapor, for more than 10 consecutive seconds. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
9	This unit, used only as an emergency generator and maintaining records in accordance with N.J.A.C. 7:27-19.11, shall not be subject to the requirements of N.J.A.C. 7:27-19.8. In addition, compliance with those recordkeeping requirements applicable to emergency generators shall satisfy all record requirements in subchapter 19 for any equipment that is solely used as an emergency generator, as defined at N.J.A.C. 7:27-19.1. [N.J.A.C. 7:27-19.2(d)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-19.2(d)]	None.
10	Hours of Operation <= 100 hr/yr for normal testing and maintenance. [N.J.A.C. 7:27-22.16(e)]	Hours of Operation: Monitored by hour/time monitor continuously. [N.J.A.C. 7:27-22.16(o)]	Hours of Operation: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The Permittee shall maintain, on site, records of the total operating time from the generator's hour meter. [N.J.A.C. 7:27-19.11(a)1]	None.
11	Permittee's self imposed condition that emergency generator fuel is limited to ULSD diesel fuel oil. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
12	CO <= 0.05 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
13	NOx (Total) <= 0.23 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
14	VOC (Total) <= 0.019 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
15	SO2 <= 0.16 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
16	TSP <= 0.015 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
17	PM-10 (Total) <= 0.015 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
18	PM-2.5 (Total) <= 0.015 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
19	The owner or operator of an emergency CI RICE <= 500 HP or black start CI RICE constructed or reconstructed before June 12, 2006 shall change oil and filter every 500 hours of operation or annually, whichever comes first, as prescribed in Table 2c, item 1a to Subpart ZZZZ of 40 CFR 63. (MACT 40 CFR 63, Subpart ZZZZ - Stationary Reciprocating Internal Combustion Engines). [40 CFR 63.6602]	Other: The owner or operator shall change oil and filter every 500 hours of operation or annually, whichever comes first. The owner or operator must develop and follow a maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions, in accordance with Table 6 item 9 to Subpart ZZZZ of 40 CFR 63. [40 CFR 63.6640(a)].	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The owner or operator must keep records of the oil and filter change. Each record must be readily accessible for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.6660(c) and 40 CFR 63.10(b)(1). [40 CFR 63.6655(e)(2)]	None.
20	The owner or operator of an emergency CI RICE <= 500 HP or black start CI RICE constructed or reconstructed before June 12, 2006 shall inspect air cleaner every 1,000 hours of operation or annually, whichever comes first; and inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary, as prescribed in Table 2c, item 1b and 1c to Subpart ZZZZ of 40 CFR 63. (MACT 40 CFR 63, Subpart ZZZZ - Stationary Reciprocating Internal Combustion Engines). [40 CFR 63.6602]	Other: The owner or operator shall inspect air cleaner every 1000 hours or annually, whichever comes first and inspect all hoses and belts every 500 hours of operation or annually, whichever comes first. The owner or operator must develop and follow a maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions, in accordance with Table 6 item 9 to Subpart ZZZZ of 40 CFR 63. [40 CFR 63.6640(a)].	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The owner or operator must keep records of the maintenance procedures and air cleaner, belt and hoses replacements events. Each record must be readily accessible for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.6660(c) and 40 CFR 63.10(b)(1). [40 CFR 63.6655(e)(2)]	None.
21	The engine must be in compliance with all applicable emission limitations and operating limitations in Subpart A and ZZZZ of 40 CFR 63 at all times. (MACT 40 CFR 63, Subpart ZZZZ - Stationary Reciprocating Internal Combustion Engines). [40 CFR 63.6605(a)]	None.	None.	None.
22	The owner or operator must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes. (MACT 40 CFR 63, Subpart ZZZZ - Stationary Reciprocating Internal Combustion Engines). [40 CFR 63.6625(h)]	Other: The owner or operator must develop and follow a maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions, in accordance with Table 6 item 9 to Subpart ZZZZ of 40 CFR 63. [40 CFR 63.6640(a)].	Other: The owner or operator must keep records of the maintenance procedures and replacements events. Each record must be readily accessible for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.6660(c) and 40 CFR 63.10(b)(1). [40 CFR 63.6655(e)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
23	For owners and operators of emergency engines, any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year as allowed in 40 CFR 63.6640(f)(1)(iii), is prohibited. (MACT 40 CFR 63, Subpart ZZZZ - Stationary Reciprocating Internal Combustion Engines). [40 CFR 63.6640(f)(1)]	Monitored by hour/time monitor continuously. The owner or operator of an emergency stationary internal combustion engine must install a non-resettable hour meter if one is not already installed. [40 CFR 63.6625(f)]	Recordkeeping by manual logging of parameter or storing data in a computer data system annually. The owner or operator must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The owner or operator must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. If the engines are used for demand response operation, the owner or operator must keep records of the notification of the emergency situation, and the time the engine was operated as part of demand response. [40 CFR 63.6655(f)(1)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
24	The owner or operator may operate an emergency stationary RICE for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks and readiness testing of such units is limited to 100 hours per year. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency RICE beyond 100 hours per year. The owner or operator may operate an emergency RICE up to 50 hours per year in non-emergency situations as allowed by 40 CFR 63.6640(f)(1)(iii) but those 50 hours are counted towards the 100 hours per year provided for maintenance and testing. (MACT 40 CFR 63, Subpart ZZZZ - Stationary Reciprocating Internal Combustion Engines). [40 CFR 63.6640(f)(1)]	Monitored by hour/time monitor continuously. The owner or operator of an emergency stationary internal combustion engine must install a non-resettable hour meter if one is not already installed. [40 CFR 63.6625(f)]	Recordkeeping by manual logging of parameter or storing data in a computer data system annually. The owner or operator must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The owner or operator must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. If the engines are used for demand response operation, the owner or operator must keep records of the notification of the emergency situation, and the time the engine was operated as part of demand response. [40 CFR 63.6655(f)(1)]	None.
25	The owner or operator shall comply with the General Provisions as shown in Table 8 to Subpart ZZZZ of 40 CFR 63 that apply to an existing emergency CI RICE <= 500 HP or black start RICE constructed or reconstructed before June 12, 2006 and located at a major source of HAP. (MACT 40 CFR 63, Subpart ZZZZ - Stationary Reciprocating Internal Combustion Engines). [40 CFR 63.6665]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U8 2.83 MMBTU/hr Diesel-fired Emergency Generator - Phase III Landfill, subject to MACT 40 CFR 63 Subpart A and ZZZZ**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	SUMMARY OF FEDERAL REGULATIONS: * MACT 40 CFR 63, SUbpart A - General Provisions * MACT 40 CFR 63, Subpart ZZZZ - Stationary Reciprocating Internal Combustion Engines [40 CFR Federal Rules Summary]	None.	None.	None.
2	Opacity <= 20 %. The permittee shall not use the equipment in a manner which will cause visible emissions to exceed 20% opacity, exclusive of visible condensed water vapor, for a period of more than 10 consecutive seconds. [N.J.A.C. 7:27- 3.5]	None.	None.	None.
3	Sulfur Content in Fuel <= 15 ppmw. [N.J.A.C. 7:27- 9.2(b)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	None.
4	Fuel stored in New Jersey that met the applicable maximum sulfur content standard of Tables 1A or 1B of N.J.A.C. 7:27-9.2 at the time it was stored in New Jersey may be used in New Jersey after the operative date of the applicable standard in Table 1B. [N.J.A.C. 7:27- 9.2(b)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
5	This emergency generator shall be located at the facility and produce mechanical or thermal energy, or electrical power exclusively for use at the facility. This emergency generator shall be operated only: 1. During the performance of normal testing and maintenance procedures, as recommended in writing by the manufacturer and/or as required in writing by a Federal or State law or regulation, 2. When there is power outage or the primary source of mechanical or thermal energy fails because of an emergency, or 3. When there is a voltage reduction issued by PJM and posted on the PJM internet website (www.pjm.com) under the "emergency procedures" menu. [N.J.A.C. 7:27-19.1]	Monitored by hour/time monitor continuously. [N.J.A.C. 7:27-22.16(o)]	Other: The Permittee shall maintain on site and record in a logbook or computer data system, the following information: 1. For each time the emergency generator is specifically operated for testing or maintenance: i. The reason for its operation; ii. The date(s) of operation and the start up and shut down time; iii. The total operating time for testing or maintenance based on the generator's hour meter; and iv. The name of the operator; and 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. [N.J.A.C. 7:27-19.11].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
6	This emergency generator shall not be used: 1. For normal testing and maintenance on days when the Department forecasts air quality anywhere in New Jersey to be "unhealthy for sensitive groups," "unhealthy," or "very unhealthy" as defined in the EPA's Air Quality Index at http://airnow.gov/, as supplemented or amended and incorporated herein by reference, unless required in writing by a Federal or State law or regulation. Procedures for determining the air quality forecasts for New Jersey are available at the Department's air quality permitting web site at http://www.state.nj.us/dep/aqpp/aqforecast; and 2. As a source of energy or power after the primary energy or power source has become operable again. If the primary energy or power source is under the control of the owner or operator of the emergency generator, the owner or operator shall make a reasonable, timely effort to repair the primary energy or power source. [N.J.A.C. 7:27-19.2(d)]	None.	None.	None.
7	This unit, used only as an emergency generator and maintaining records in accordance with N.J.A.C. 7:27-19.11, shall not be subject to the requirements of N.J.A.C. 7:27-19.8. In addition, compliance with those recordkeeping requirements applicable to emergency generators shall satisfy all record requirements in subchapter 19 for any equipment that is solely used as an emergency generator, as defined at N.J.A.C. 7:27-19.1. [N.J.A.C. 7:27-19.2(d)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-19.2(d)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
8	Hours of Operation: The owner or operator of an emergency generator with a maximum rated output of 37 kW or more, shall maintain a record of the total operating time each month. [N.J.A.C. 7:27-19.11(a)]	None.	None.	None.
9	Hours of Operation <= 100 hr/yr. The Permittee shall comply with the self-imposed limit for each generator of 100 hours per year of operation for normal testing and maintenance. [N.J.A.C. 7:27-22.16(a)]	Hours of Operation: Monitored by hour/time monitor continuously. [N.J.A.C. 7:27-22.16(o)]	Hours of Operation: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The Permittee shall maintain, on site, records of the total operating time from the generator's hour meter. [N.J.A.C. 7:27-19.11(a)1]	None.
10	Smoke emissions no greater than 10% opacity, exclusive of visible condensed water vapor, for more than 10 consecutive seconds. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
11	Permittee's self imposed condition that emergency generator fuel is limited to diesel fuel oil. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
12	CO <= 0.23 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
13	NOx (Total) <= 1.06 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
14	VOC (Total) <= 0.09 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
15	SO2 <= 0.07 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
16	TSP <= 0.07 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
17	PM-10 (Total) <= 0.07 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
18	PM-2.5 (Total) <= 0.07 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
19	The owner or operator of an emergency CI RICE <= 500 HP or black start CI RICE constructed or reconstructed before June 12, 2006 shall change oil and filter every 500 hours of operation or annually, whichever comes first, as prescribed in Table 2c, item 1a to Subpart ZZZZ of 40 CFR 63. (40 CFR 63, MACT Subpart ZZZZ - Stationary Reciprocating Internal Combustion Engines). [40 CFR 63.6602]	Other: The owner or operator shall change oil and filter every 500 hours of operation or annually, whichever comes first. The owner or operator must develop and follow a maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions, in accordance with Table 6 item 9 to Subpart ZZZZ of 40 CFR 63. [40 CFR 63.6640(a)].	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The owner or operator must keep records of the oil and filter change. Each record must be readily accessible for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.6660(c) and 40 CFR 63.10(b)(1). [40 CFR 63.6655(e)(2)]	None.
20	The owner or operator of an emergency CI RICE <= 500 HP or black start CI RICE constructed or reconstructed before June 12, 2006 shall inspect air cleaner every 1,000 hours of operation or annually, whichever comes first; and inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary, as prescribed in Table 2c, item 1b and 1c to Subpart ZZZZ of 40 CFR 63. (40 CFR 63, MACT Subpart ZZZZ - Stationary Reciprocating Internal Combustion Engines). [40 CFR 63.6602]	Other: The owner or operator shall inspect air cleaner every 1000 hours or annually, whichever comes first and inspect all hoses and belts every 500 hours of operation or annually, whichever comes first. The owner or operator must develop and follow a maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions, in accordance with Table 6 item 9 to Subpart ZZZZ of 40 CFR 63. [40 CFR 63.6640(a)].	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The owner or operator must keep records of the maintenance procedures and air cleaner, belt and hoses replacements events. Each record must be readily accessible for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.6660(c) and 40 CFR 63.10(b)(1). [40 CFR 63.6655(e)(2)]	None.
21	The engine must be in compliance with all applicable emission limitations and operating limitations in Subpart ZZZZ of 40 CFR 63 at all times. (40 CFR 63, MACT Subpart ZZZZ - Stationary Reciprocating Internal Combustion Engines). [40 CFR 63.6605(a)]	None.	None.	None.
22	The owner or operator shall comply with the General Provisions as shown in Table 8 to Subpart ZZZZ of 40 CFR 63 that apply to an existing emergency CI RICE <= 500 HP or black start RICE constructed or reconstructed before June 12, 2006 and located at a major source of HAP. (40 CFR 63, MACT Subpart ZZZZ - Stationary Reciprocating Internal Combustion Engines). [40 CFR 63.6665]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
23	The owner or operator may operate an emergency stationary RICE for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks and readiness testing of such units is limited to 100 hours per year. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency RICE beyond 100 hours per year. The owner or operator may operate an emergency RICE up to 50 hours per year in non-emergency situations as allowed by 40 CFR 63.6640(f)(1)(iii) but those 50 hours are counted towards the 100 hours per year provided for maintenance and testing. (40 CFR 63, MACT Subpart ZZZZ - Stationary Reciprocating Internal Combustion Engines). [40 CFR 63.6640(f)(1)]	Monitored by hour/time monitor continuously. The owner or operator of an emergency stationary internal combustion engine must install a non-resettable hour meter if one is not already installed. [40 CFR 63.6625(f)]	Recordkeeping by manual logging of parameter or storing data in a computer data system annually. The owner or operator must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The owner or operator must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. If the engines are used for demand response operation, the owner or operator must keep records of the notification of the emergency situation, and the time the engine was operated as part of demand response. [40 CFR 63.6655(f)(1)]	None.
24	At all times the owner or operate must operate and maintain a RICE, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. (40 CFR 63, MACT Subpart ZZZZ - Stationary Reciprocating Internal Combustion Engines). [40 CFR 63.6605(b)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
25	An owner or operator of an existing stationary emergency or black start RICE must operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or the owner or operator must develop a maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions. (40 CFR 63, MACT Subpart ZZZZ - Stationary Reciprocating Internal Combustion Engines). [40 CFR 63.6625(e)]	Other: Monitored according to the manufacturer's emission-related written instructions or the maintenance plan developed by the owner or operator. [40 CFR 63.6625(e)].	Other: The owner or operator must keep records of the maintenance procedures. Each record must be readily accessible for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.6660(c) and 40 CFR 63.10(b)(1). [40 CFR 63.6655(e)].	None.
26	For owners and operators of emergency engines, any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year as allowed in 40 CFR 63.6640(f)(1)(iii), is prohibited. (40 CFR 63, MACT Subpart ZZZZ - Stationary Reciprocating Internal Combustion Engines). [40 CFR 63.6640(f)(1)]	Monitored by hour/time monitor continuously. The owner or operator of an emergency stationary internal combustion engine must install a non-resettable hour meter if one is not already installed. [40 CFR 63.6625(f)]	Recordkeeping by manual logging of parameter or storing data in a computer data system annually. The owner or operator must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The owner or operator must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. If the engines are used for demand response operation, the owner or operator must keep records of the notification of the emergency situation, and the time the engine was operated as part of demand response. [40 CFR 63.6655(f)(1)]	None.
27	The owner or operator must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes. (40 CFR 63, MACT Subpart ZZZZ - Stationary Reciprocating Internal Combustion Engines). [40 CFR 63.6625(h)]	Other: The owner or operator must develop and follow a maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions, in accordance with Table 6 item 9 to Subpart ZZZZ of 40 CFR 63. [40 CFR 63.6640(a)].	Other: The owner or operator must keep records of the maintenance procedures and replacements events. Each record must be readily accessible for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.6660(c) and 40 CFR 63.10(b)(1). [40 CFR 63.6655(e)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U9 Leachate Diesel-Fired Emergency Generator, 800 Kw, 9.44 MMBtu/hr**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	SUMMARY OF FEDERAL REGULATIONS: NSPS 40 CFR 60 Subpart A - General Provisions NSPS 40 CFR 60 Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines * MACT 40 CFR 63 Subpart A - General Provisions * MACT 40 CFR 63 Subpart ZZZZ - Stationary Reciprocating Internal Combustion Engines [40 CFR Federal Rules Summary]	None.	None.	None.
2	Opacity <= 20 %. The permittee shall not use the equipment in a manner which will cause visible emissions to exceed 20% opacity, exclusive of visible condensed water vapor, for a period of more than 10 consecutive seconds. [N.J.A.C. 7:27- 3.5]	None.	None.	None.
3	Sulfur Content in Fuel <= 15 ppmw. [N.J.A.C. 7:27- 9.2(b)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	None.
4	Fuel stored in New Jersey that met the applicable maximum sulfur content standard of Tables 1A or 1B of N.J.A.C. 7:27-9.2 at the time it was stored in New Jersey may be used in New Jersey after the operative date of the applicable standard in Table 1B. [N.J.A.C. 7:27- 9.2(b)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
5	This emergency generator shall be located at the facility and produce mechanical or thermal energy, or electrical power exclusively for use at the facility. This emergency generator shall be operated only: 1. During the performance of normal testing and maintenance procedures, as recommended in writing by the manufacturer and/or as required in writing by a Federal or State law or regulation, 2. When there is power outage or the primary source of mechanical or thermal energy fails because of an emergency, or 3. When there is a voltage reduction issued by PJM and posted on the PJM internet website (www.pjm.com) under the "emergency procedures" menu. [N.J.A.C. 7:27-19.1]	Monitored by hour/time monitor continuously. [N.J.A.C. 7:27-22.16(o)]	Other: The Permittee shall maintain on site and record in a logbook or computer data system, the following information: 1. For each time the emergency generator is specifically operated for testing or maintenance: i. The reason for its operation; ii. The date(s) of operation and the start up and shut down time; iii. The total operating time for testing or maintenance based on the generator's hour meter; and iv. The name of the operator; and 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. [N.J.A.C. 7:27-19.11].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
6	This emergency generator shall not be used: 1. For normal testing and maintenance on days when the Department forecasts air quality anywhere in New Jersey to be "unhealthy for sensitive groups," "unhealthy," or "very unhealthy" as defined in the EPA's Air Quality Index at http://airnow.gov/, as supplemented or amended and incorporated herein by reference, unless required in writing by a Federal or State law or regulation. Procedures for determining the air quality forecasts for New Jersey are available at the Department's air quality permitting web site at http://www.state.nj.us/dep/aqpp/aqforecast; and 2. As a source of energy or power after the primary energy or power source has become operable again. If the primary energy or power source is under the control of the owner or operator of the emergency generator, the owner or operator shall make a reasonable, timely effort to repair the primary energy or power source. [N.J.A.C. 7:27-19.2(d)]	None.	None.	None.
7	This unit, used only as an emergency generator and maintaining records in accordance with N.J.A.C. 7:27-19.11, shall not be subject to the requirements of N.J.A.C. 7:27-19.8. In addition, compliance with those recordkeeping requirements applicable to emergency generators shall satisfy all record requirements in subchapter 19 for any equipment that is solely used as an emergency generator, as defined at N.J.A.C. 7:27-19.1. [N.J.A.C. 7:27-19.2(d)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-19.2(d)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
8	Maximum Gross Heat Input <= 9.44 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	Maximum Gross Heat Input: Monitored by documentation of construction once initially. [N.J.A.C. 7:27-22.16(o)]	None.	None.
9	Hours of Operation <= 26 hr/yr for normal testing and maintenance. [N.J.A.C. 7:27-22.16(a)]	Hours of Operation: Monitored by hour/time monitor continuously. [N.J.A.C. 7:27-22.16(o)]	Hours of Operation: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The Permittee shall maintain, on site, records of the total operating time from the generator's hour meter. [N.J.A.C. 7:27-19.11(a)1]	None.
10	Smoke <= 10 %. Smoke emissions no greater than 10% opacity, exclusive of visible condensed water vapor, for more than 10 consecutive seconds. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
11	Permittee's self imposed condition that emergency generator fuel is limited to ULSD diesel fuel oil. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
12	CO <= 0.0156 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
13	NOx (Total) <= 0.138 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
14	TSP <= 0.0045 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
15	PM-10 (Total) <= 0.0045 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
16	PM-2.5 (Total) <= 0.0045 tons/yr. [N.J.A.C. 7:27-22.16(a)]			
17	CO <= 1.2 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
18	NOx (Total) <= 10.64 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
19	TSP <= 0.346 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
20	PM-10 (Total) <= 0.346 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
21	PM-2.5 (Total) <= 0.346 lb/hr. [N.J.A.C. 7:27-22.16(a)]			
22	The provisions of federal NSPS requirements at 40 CFR 60 Subpart IIII shall become applicable to the owner and operator of this stationary compression ignition (CI) internal combustion engines (ICE) if the stationary CI ICE is modified or reconstructed after July 11, 2005. (NSPS 40 CFR 60, Subpart IIII - Subpart IIII - Stationary Compression Ignition Internal Combustion Engines). [40 CFR 60.4200(a)(3)]	None.	None.	None.
23	The owner or operator of an emergency CI RICE <= 500 HP or black start CI RICE constructed or reconstructed before June 12, 2006 shall change oil and filter every 500 hours of operation or annually, whichever comes first, as prescribed in Table 2c, item 1a to Subpart ZZZZ of 40 CFR 63. (MACT 40 CFR 63 Subpart ZZZZ - Stationary Reciprocating Internal Combustion Engines) [40 CFR 63.6602]	Other: The owner or operator shall change oil and filter every 500 hours of operation or annually, whichever comes first. The owner or operator must develop and follow a maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions, in accordance with Table 6 item 9 to Subpart ZZZZ of 40 CFR 63. [40 CFR 63.6640(a)].	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The owner or operator must keep records of the oil and filter change. Each record must be readily accessible for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.6660(c) and 40 CFR 63.10(b)(1). [40 CFR 63.6655(e)(2)]	None.
24	The owner or operator of an emergency CI RICE <= 500 HP or black start CI RICE constructed or reconstructed before June 12, 2006 shall inspect air cleaner every 1,000 hours of operation or annually, whichever comes first; and inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary, as prescribed in Table 2c, item 1b and 1c to Subpart ZZZZ of 40 CFR 63. (MACT 40 CFR 63 Subpart ZZZZ - Stationary Reciprocating Internal Combustion Engines) [40 CFR 63.6602]	Other: The owner or operator shall inspect air cleaner every 1000 hours or annually, whichever comes first and inspect all hoses and belts every 500 hours of operation or annually, whichever comes first. The owner or operator must develop and follow a maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions, in accordance with Table 6 item 9 to Subpart ZZZZ of 40 CFR 63. [40 CFR 63.6640(a)].	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The owner or operator must keep records of the maintenance procedures and air cleaner, belt and hoses replacements events. Each record must be readily accessible for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.6660(c) and 40 CFR 63.10(b)(1). [40 CFR 63.6655(e)(2)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
25	The engine must be in compliance with all applicable emission limitations and operating limitations in Subpart ZZZZ of 40 CFR 63 at all times. (MACT 40 CFR 63 Subpart ZZZZ - Stationary Reciprocating Internal Combustion Engines) [40 CFR 63.6605(a)]	None.	None.	None.
26	At all times the owner or operate must operate and maintain a RICE, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. (MACT 40 CFR 63 Subpart ZZZZ - Stationary Reciprocating Internal Combustion Engines) [40 CFR 63.6605(b)]	None.	None.	None.
27	An owner or operator of an existing stationary emergency or black start RICE must operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or the owner or operator must develop a maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions. (MACT 40 CFR 63 Subpart ZZZZ - Stationary Reciprocating Internal Combustion Engines) [40 CFR 63.6625(e)]	Other: Monitored according to the manufacturer's emission-related written instructions or the maintenance plan developed by the owner or operator. [40 CFR 63.6625(e)].	Other: The owner or operator must keep records of the maintenance procedures. Each record must be readily accessible for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.6660(c) and 40 CFR 63.10(b)(1). [40 CFR 63.6655(e)].	None.
28	The owner or operator must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes. (MACT 40 CFR 63 Subpart ZZZZ - Stationary Reciprocating Internal Combustion Engines) [40 CFR 63.6625(h)]	Other: The owner or operator must develop and follow a maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions, in accordance with Table 6 item 9 to Subpart ZZZZ of 40 CFR 63. [40 CFR 63.6640(a)].	Other: The owner or operator must keep records of the maintenance procedures and replacements events. Each record must be readily accessible for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.6660(c) and 40 CFR 63.10(b)(1). [40 CFR 63.6655(e)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
29	For owners and operators of emergency engines, any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year as allowed in 40 CFR 63.6640(f)(1)(iii), is prohibited. (MACT 40 CFR 63 Subpart ZZZZ - Stationary Reciprocating Internal Combustion Engines) [40 CFR 63.6640(f)(1)]	Monitored by hour/time monitor continuously. The owner or operator of an emergency stationary internal combustion engine must install a non-resettable hour meter if one is not already installed. [40 CFR 63.6625(f)]	Recordkeeping by manual logging of parameter or storing data in a computer data system annually. The owner or operator must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The owner or operator must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. If the engines are used for demand response operation, the owner or operator must keep records of the notification of the emergency situation, and the time the engine was operated as part of demand response. [40 CFR 63.6655(f)(1)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
30	The owner or operator may operate an emergency stationary RICE for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks and readiness testing of such units is limited to 100 hours per year. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency RICE beyond 100 hours per year. The owner or operator may operate an emergency RICE up to 50 hours per year in non-emergency situations as allowed by 40 CFR 63.6640(f)(1)(iii) but those 50 hours are counted towards the 100 hours per year provided for maintenance and testing. (MACT 40 CFR 63 Subpart ZZZZ - Stationary Reciprocating Internal Combustion Engines) [40 CFR 63.6640(f)(1)]	Monitored by hour/time monitor continuously. The owner or operator of an emergency stationary internal combustion engine must install a non-resettable hour meter if one is not already installed. [40 CFR 63.6625(f)]	Recordkeeping by manual logging of parameter or storing data in a computer data system annually. The owner or operator must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The owner or operator must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. If the engines are used for demand response operation, the owner or operator must keep records of the notification of the emergency situation, and the time the engine was operated as part of demand response. [40 CFR 63.6655(f)(1)]	None.
31	The owner or operator shall comply with the General Provisions as shown in Table 8 to Subpart ZZZZ of 40 CFR 63 that apply to an existing emergency CI RICE <= 500 HP or black start RICE constructed or reconstructed before June 12, 2006 and located at a major source of HAP. (MACT 40 CFR 63 Subpart ZZZZ - Stationary Reciprocating Internal Combustion Engines) [40 CFR 63.6665]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U10 Leachate Collection System Vents #1, #2, & #3**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Total Throughput <= 50 MMgal/yr. Maximum throughput of Pumped leachate from all pump stations throughout the entire facility combined. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
2	All gases discharged from the leachate collection system pump stations shall be collected, conveyed to the adsorption system and controlled. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	Each activated carbon adsorption unit must meet the following design parameters: Bed Diameter, 2 ft. Bed Depth, 3 ft. Weight of Activated Carbon, 200 lbs. Flow Velocity through Bed, 14.2 ft/min Carbon Adsorption Efficiency, 99% Total Absorptive Capacity of the Bed, 10 lb. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
4	Non-Methane Hydrocarbons <= 0.00223 tons/yr (total emissions from all stacks). [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
5	Methane <= 17.7 tons/yr (total emissions from all stacks). [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
6	Non-Methane Hydrocarbons <= 0.021 lb/hr. Total combined maximum emission rate of vents #1, #2 and #3. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
7	Methane <= 165.9 lb/hr. Total combined maximum emission rate of vents #1, #2 and #3. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U10 Leachate Collection System Vents #1, #2, & #3**

Operating Scenario: **OS1 Landfill Leachate Collection Pump Station #1, controlled by carbon adsorber CD10, OS2 Landfill Leachate Collection Pump Station #2, controlled by carbon adsorber CD11, OS3 Landfill Leachate Collection Pump Station #3, controlled by carbon adsorber CD12**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	The permittee shall install a single carbon adsorption unit on each vent. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
2	The carbon adsorption units shall be replaced every 5 years at a minimum, or sooner if odor is detectable. Saturated or partially used adsorption materials shall be disposed of in a manner that prevents the release of air contaminants to the atmosphere. This must be done in accordance with State and Federal disposal regulations. [N.J.A.C. 7:27-22.16(e)]	Other: Canisters shall be checked weekly by "Sniff Test." The permitee shall maintain records of adsorption unit, date of replacement and the hours of operation.[N.J.A.C. 7:27-22.16(o)].	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event (permanently bound). [N.J.A.C. 7:27-22.16(o)]	Submit notification: As per the approved schedule. The permittee shall report any non-compliance directly related to emission limits, or any non-compliance specified in these conditions for this permit, in writing, within three working days after the event, to the Central Regional Enforcement Office, unless otherwise specified in writing by the Central Regional Enforcement Office. [N.J.A.C. 7:27-22.16(o)]
3	Non-Methane Hydrocarbons <= 0.007 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
4	Methane <= 55.3 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U12 Pump Station No. 4 Vent, controlled by carbon adsorber CD13**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	All gases discharged from the leachate collection system pump station shall be collected, conveyed to the adsorption system and controlled. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
2	H2S: Permittee's maximum annual emission limit is Below Reporting Threshold. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U12 Pump Station No. 4 Vent, controlled by carbon adsorber CD13**
Operating Scenario: **OS1 Pump Station No. 4 Vent**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	The permittee shall install a single carbon adsorption unit on the pump station vent. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
2	The activated carbon adsorption unit must meet the following design parameters: Bed Diameter, 2 ft. Bed Depth, 3 ft. Weight of Activated Carbon, 200 lbs. Flow Velocity through Bed, 21.3 ft/min Carbon Adsorption Efficiency, 99% Total Absorptive Capacity of the Bed, 10 lb. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	The carbon adsorption unit shall be replaced in accordance with manufacturer's recommendations, or sooner if odor is detectable. Saturated or partially used adsorption materials shall be disposed of onsite in a manner that prevents the release of air contaminants to the atmosphere. This must be done in accordance with State and Federal disposal regulations. [N.J.A.C. 7:27-22.16(e)]	Other: Canisters shall be checked monthly by "Sniff Test." The permitee shall maintain records of adsorption unit, date of replacement and the hours of operation.[N.J.A.C. 7:27-22.16(o)].	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event (permanently bound). [N.J.A.C. 7:27-22.16(o)]	Submit notification: As per the approved schedule. The permittee shall report any non-compliance directly related to emission limits, or any non-compliance specified in these conditions for this permit, in writing, within three working days after the event, to the Central Regional Enforcement Office, unless otherwise specified in writing by the Central Regional Enforcement Office. [N.J.A.C. 7:27-22.16(o)]
4	Total Throughput <= 50 MMgal/yr. Maximum throughput of pumped leachate from all pump stations throughout the entire facility combined. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	H2S: Maximum emission rate is Below Reporting Threshold. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U13 Loading Facility Pump Station, controlled by carbon adsorber CD14**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	This pump station is for emergency use in collecting spillage from the truck loading facility. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
2	All gases discharged from the loading facility pump station shall be collected, conveyed to the adsorption system and controlled. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	H2S: Permittee's maximum annual emission limit is Below Reporting Threshold. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U13 Loading Facility Pump Station, controlled by carbon adsorber CD14**
Operating Scenario: **OS1 Loading Facility Pump Station - for emergency use**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	The permittee shall install a single carbon adsorption unit on the loading facility pump station. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
2	The activated carbon adsorption unit must meet the following design parameters: Bed Diameter, 2 ft. Bed Depth, 3 ft. Weight of Activated Carbon, 200 lbs. Flow Velocity through Bed, 24 ft/min Carbon Adsorption Efficiency, 99% Total Absorptive Capacity of the Bed, 10 lb. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	The carbon adsorption unit shall be replaced in accordance with manufacturer's recommendations, or sooner if odor is detectable. Saturated or partially used adsorption materials shall be disposed of onsite in a manner that prevents the release of air contaminants to the atmosphere. This must be done in accordance with State and Federal disposal regulations. [N.J.A.C. 7:27-22.16(e)]	Other: Canisters shall be checked monthly by "Sniff Test." The permitee shall maintain records of adsorption unit, date of replacement and the hours of operation.[N.J.A.C. 7:27-22.16(o)].	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event (permanently bound). [N.J.A.C. 7:27-22.16(o)]	Submit notification: As per the approved schedule. The permittee shall report any non-compliance directly related to emission limits, or any non-compliance specified in these conditions for this permit, in writing, within three working days after the event, to the Central Regional Enforcement Office, unless otherwise specified in writing by the Central Regional Enforcement Office. [N.J.A.C. 7:27-22.16(o)]
4	Total Throughput <= 50 MMgal/yr. Maximum throughput of pumped leachate from all pump stations throughout the entire facility combined. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	H2S: Maximum emission rate is Below Reporting Threshold. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U14 Leachate Storage Tank Vent, controlled by carbon adsorber CD15**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Equipment shall not be used in a manner which will cause visible emissions, exclusive of visible condensed water vapor. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
2	Tank contents limited to landfill leachate. [N.J.A.C. 7:27-22.16(e)]	Monitored by grab sampling each month during operation of leachate from the storage tank. From renewal BOP080002. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by certified lab analysis results upon occurrence of event. [N.J.A.C. 7:27-22.16(o)]	Submit test results: As per the approved schedule the analytical results from the leachate sampling shall be reported to the Chief, Central Regional Enforcement. Each report shall be submitted within 60 days of sampling. [N.J.A.C. 7:27-22.16(o)]
3	The permittee shall sample the leachate on a monthly basis. The Central Regional Enforcement Office reserves the right to change the frequency of sampling based on the review of the analysis. [N.J.A.C. 7:27-22.16(a)]	Monitored by grab sampling each month during operation. Permittee shall sample leachate per NJPDES guidelines. The sample shall be analyzed for Volatile Organic Compounds and Toxic Substances listed in N.J.A.C. 7:27-17. [From renewal BOP080001.]. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by certified lab analysis results at the approved frequency. [N.J.A.C. 7:27-22.16(o)]	Submit test results: As per the approved schedule , the analytical results from the leachate sampling shall be reported to the Chief, Central Regional Enforcement. Each report shall be submitted within 60 days of sampling. [N.J.A.C. 7:27-22.16(o)]
4	All gases discharged from the leachate collection storage tank shall be collected, conveyed to the adsorption system and controlled. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
5	VOCs and VHAPs <= 3.48 tons/yr. [N.J.A.C. 7:27-22.16(a)]	VOCs and VHAPs: Monitored by lating the VOC emissions in ton/yr using measured flowrates and VOC concentrations for each month. AP-42 method or Water 9 (latest revisions) shall be used to calcuate the VOC emissions.[N.J.A.C. 7:27-22.16(o)].	VOCs and VHAPs: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. Calculate the monthly and sum-to-date of VOC emissions for the calendar year. [N.J.A.C. 7:27-22.16(o)]	None.
6	HAPs (Total) <= 1.24 tons/yr. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by calculating the VOC emissions in ton/yr using measured flowrates and VOC concentrations for each month. AP-42 method or Water 9 (latest revisions) shall be used to calcuate the VOC emissions.[N.J.A.C. 7:27-22.16(o)].	HAPs (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. Calculate the monthly and sum-to-date of VOC emissions for the calendar year. [N.J.A.C. 7:27-22.16(o)]	None.
7	H2S <= 0.00006 tons/yr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U14 Leachate Storage Tank Vent, controlled by carbon adsorber CD15**
Operating Scenario: **OS1 Leachate Storage Tank - 500,000 gal**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Above ground storage tanks 2,000 gallons or greater and exposed to the sun's rays must be painted white. [N.J.A.C. 7:27-16.2(a)1]	Other: Visually inspect the exterior condition of the tanks. Every Six Months.[N.J.A.C. 7:27-16.2(a)1].	Other: Manual logging of date when exterior of the tanks is repainted in a permanently bound logbook.[N.J.A.C. 7:27-16.2(a)1].	Comply with requirement: Upon occurrence of event. Permittee shall paint the tanks exterior white if visual inspections indicates that 30% or greater of the exterior needs to be repainted. [N.J.A.C. 7:27-16.2(a)1]
2	Transfer of applicable VOC into any receiving vessel with a capacity greater than 2,000 gallons shall be through a submerged fill pipe. [N.J.A.C. 7:27-16.4(b)]	None.	None.	None.
3	Delivery vessels (loading or unloading) shall have all control components installed and operating as designed. No person shall cause, suffer, allow, or permit any transfer of applicable VOC, if any components of the delivery vessel designed for preventing the release of applicable VOC vapors are not installed and operating as designed. Any loading or unloading transfer operations must cease immediately if: 1. On and after May 31, 1995, the delivery vessel being loaded or unloaded, any control appartus or other equipment serving the transfer operation has a leak that: i. Results in a concentration of VOC greater than or equal to 100 percent of the lower explosive limit of propane when measured at a distance within 1.0 inch (2.54 centimeters) of the source; or ii. Is a liquid leak: or 2. The transfer results or would result in a liquid leak of applicable VOC. [N.J.A.C. 7:27-16.4(k)]	None.	None.	None.
4	The permittee shall install a single carbon adsorption unit on the leachate storage tank vent. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
5	The activated carbon adsorption unit must meet the following design parameters: Bed Diameter, 2 ft. Bed Depth, 3 ft. Weight of Activated Carbon, 140 lbs. Flow Velocity through Bed, 23.4 ft/min Carbon Adsorption Efficiency, 99% Total Absorptive Capacity of the Bed, 7 lb. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
6	The carbon adsorption unit shall be replaced in accordance with manufacturer's recommendations, or sooner if odor is detectable. Saturated or partially used adsorption materials shall be disposed of onsite in a manner that prevents the release of air contaminants to the atmosphere. This must be done in accordance with State and Federal disposal regulations. [N.J.A.C. 7:27-22.16(e)]	Other: Canisters shall be checked monthly by "Sniff Test." The permitee shall maintain records of adsorption unit, date and time of replacement and the hours of operation.[N.J.A.C. 7:27-22.16(o)].	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event (permanently bound). [N.J.A.C. 7:27-22.16(o)]	Submit notification: As per the approved schedule. The permittee shall report any non-compliance directly related to emission limits, or any non-compliance specified in these conditions for this permit, in writing, within three working days after the event, to the Central Regional Enforcement Office, unless otherwise specified in writing by the Central Regional Enforcement Office. The activated carbon filters must be replaced or regenerated prior to or immediately upon detection of breakthrough. The applicant must be able to demonstrate to the satisfaction of the Department that breakthrough has not occurred. [N.J.A.C. 7:27-22.16(o)]
7	Maximum throughput of leachate from all pump stations throughout the entire facility combined. Pumped Leachate Total Throughput <= 50 MMgal/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Maximum emission rate from preconstruction permit. H2S <= 0.000014 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

U14 Leachate Storage Tank Vent, controlled by carbon adsorber CD15
OS1

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U19 1.3 MMBTU/hr Diesel-fired Emergency Generator (Phase III Flare), Subject to NSPS Subparts A and IIII and MACT Subparts A & ZZZZ**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	SUMMARY OF FEDERAL REGULATIONS: NSPS 40 CFR 60 Subpart A - General Provisions NSPS 40 CFR 60 Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines * MACT 40 CFR 63 Subpart A - General Provisions * MACT 40 CFR 63 Subpart ZZZZ - Stationary Reciprocating Internal Combustion Engines [40 CFR Federal Rules Summary]	None.	None.	None.
2	Opacity <= 20 %. The permittee shall not use the equipment in a manner which will cause visible emissions to exceed 20% opacity, exclusive of visible condensed water vapor, for a period of more than 10 consecutive seconds. [N.J.A.C. 7:27- 3.5]	None.	None.	None.
3	Sulfur Content in Fuel <= 15 ppmw. [N.J.A.C. 7:27- 9.2(b)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	None.
4	Fuel stored in New Jersey that met the applicable maximum sulfur content standard of Tables 1A or 1B of N.J.A.C. 7:27-9.2 at the time it was stored in New Jersey may be used in New Jersey after the operative date of the applicable standard in Table 1B. [N.J.A.C. 7:27- 9.2(b)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
5	This emergency generator shall be located at the facility and produce mechanical or thermal energy, or electrical power exclusively for use at the facility. This emergency generator shall be operated only: 1. During the performance of normal testing and maintenance procedures, as recommended in writing by the manufacturer and/or as required in writing by a Federal or State law or regulation, 2. When there is power outage or the primary source of mechanical or thermal energy fails because of an emergency, or 3. When there is a voltage reduction issued by PJM and posted on the PJM internet website (www.pjm.com) under the "emergency procedures" menu. [N.J.A.C. 7:27-19.1]	Monitored by hour/time monitor continuously. [N.J.A.C. 7:27-22.16(o)]	Other: The Permittee shall maintain on site and record in a logbook or computer data system, the following information: 1. For each time the emergency generator is specifically operated for testing or maintenance: i. The reason for its operation; ii. The date(s) of operation and the start up and shut down time; iii. The total operating time for testing or maintenance based on the generator's hour meter; and iv. The name of the operator; and 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. [N.J.A.C. 7:27-19.11].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
6	This emergency generator shall not be used: 1. For normal testing and maintenance on days when the Department forecasts air quality anywhere in New Jersey to be "unhealthy for sensitive groups," "unhealthy," or "very unhealthy" as defined in the EPA's Air Quality Index at http://airnow.gov/, as supplemented or amended and incorporated herein by reference, unless required in writing by a Federal or State law or regulation. Procedures for determining the air quality forecasts for New Jersey are available at the Department's air quality permitting web site at http://www.state.nj.us/dep/aqpp/aqforecast; and 2. As a source of energy or power after the primary energy or power source has become operable again. If the primary energy or power source is under the control of the owner or operator of the emergency generator, the owner or operator shall make a reasonable, timely effort to repair the primary energy or power source. [N.J.A.C. 7:27-19.2(d)]	None.	None.	None.
7	This unit, used only as an emergency generator and maintaining records in accordance with N.J.A.C. 7:27-19.11, shall not be subject to the requirements of N.J.A.C. 7:27-19.8. In addition, compliance with those recordkeeping requirements applicable to emergency generators shall satisfy all record requirements in subchapter 19 for any equipment that is solely used as an emergency generator, as defined at N.J.A.C. 7:27-19.1. [N.J.A.C. 7:27-19.2(d)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-19.2(d)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
8	Maximum Gross Heat Input <= 1.3 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(e)]	Maximum Gross Heat Input: Monitored by documentation of construction once initially. [N.J.A.C. 7:27-22.16(o)]	None.	None.
9	Hours of Operation <= 100 hr/yr for normal testing and maintenance. [N.J.A.C. 7:27-22.16(a)]	Hours of Operation: Monitored by hour/time monitor continuously. [N.J.A.C. 7:27-22.16(o)]	Hours of Operation: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The Permittee shall maintain, on site, records of the total operating time from the generator's hour meter. [N.J.A.C. 7:27-19.11(a)1]	None.
10	Smoke <= 10 %. Smoke emissions no greater than 10% opacity, exclusive of visible condensed water vapor, for more than 10 consecutive seconds. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
11	Permittee's self imposed condition that emergency generator fuel is limited to diesel fuel oil. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
12	VOC (Total) <= 0.005 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
13	NOx (Total) <= 0.03 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
14	CO <= 0.003 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
15	SO2 <= 0.005 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
16	TSP <= 0.001 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
17	PM-10 (Total) <= 0.001 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
18	The provisions of federal NSPS requirements at 40 CFR 60 Subpart IIII shall become applicable to the owner and operator of this stationary compression ignition (CI) internal combustion engines (ICE) if the stationary CI ICE is modified or reconstructed after July 11, 2005. (NSPS 40 CFR 60, Subpart IIII - Subpart IIII - Stationary Compression Ignition Internal Combustion Engines). [40 CFR 60.4200(a)(3)]	None.	None.	None.
19	The owner or operator of an emergency CI RICE <= 500 HP or black start CI RICE constructed or reconstructed before June 12, 2006 shall change oil and filter every 500 hours of operation or annually, whichever comes first, as prescribed in Table 2c, item 1a to Subpart ZZZZ of 40 CFR 63. (MACT 40 CFR 63 Subpart ZZZZ - Stationary Reciprocating Internal Combustion Engines) [40 CFR 63.6602]	Other: The owner or operator shall change oil and filter every 500 hours of operation or annually, whichever comes first. The owner or operator must develop and follow a maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions, in accordance with Table 6 item 9 to Subpart ZZZZ of 40 CFR 63. [40 CFR 63.6640(a)].	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The owner or operator must keep records of the oil and filter change. Each record must be readily accessible for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.6660(c) and 40 CFR 63.10(b)(1). [40 CFR 63.6655(e)(2)]	None.
20	The owner or operator of an emergency CI RICE <= 500 HP or black start CI RICE constructed or reconstructed before June 12, 2006 shall inspect air cleaner every 1,000 hours of operation or annually, whichever comes first; and inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary, as prescribed in Table 2c, item 1b and 1c to Subpart ZZZZ of 40 CFR 63. (MACT 40 CFR 63 Subpart ZZZZ - Stationary Reciprocating Internal Combustion Engines) [40 CFR 63.6602]	Other: The owner or operator shall inspect air cleaner every 1000 hours or annually, whichever comes first and inspect all hoses and belts every 500 hours of operation or annually, whichever comes first. The owner or operator must develop and follow a maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions, in accordance with Table 6 item 9 to Subpart ZZZZ of 40 CFR 63. [40 CFR 63.6640(a)].	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The owner or operator must keep records of the maintenance procedures and air cleaner, belt and hoses replacements events. Each record must be readily accessible for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.6660(c) and 40 CFR 63.10(b)(1). [40 CFR 63.6655(e)(2)]	None.
21	The engine must be in compliance with all applicable emission limitations and operating limitations in Subpart ZZZZ of 40 CFR 63 at all times. (MACT 40 CFR 63 Subpart ZZZZ - Stationary Reciprocating Internal Combustion Engines) [40 CFR 63.6605(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
22	At all times the owner or operate must operate and maintain a RICE, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. (MACT 40 CFR 63 Subpart ZZZZ - Stationary Reciprocating Internal Combustion Engines) [40 CFR 63.6605(b)]	None.	None.	None.
23	An owner or operator of an existing stationary emergency or black start RICE must operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or the owner or operator must develop a maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions. (MACT 40 CFR 63 Subpart ZZZZ - Stationary Reciprocating Internal Combustion Engines) [40 CFR 63.6625(e)]	Other: Monitored according to the manufacturer's emission-related written instructions or the maintenance plan developed by the owner or operator. [40 CFR 63.6625(e)].	Other: The owner or operator must keep records of the maintenance procedures. Each record must be readily accessible for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.6660(c) and 40 CFR 63.10(b)(1). [40 CFR 63.6655(e)].	None.
24	The owner or operator must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes. (MACT 40 CFR 63 Subpart ZZZZ - Stationary Reciprocating Internal Combustion Engines) [40 CFR 63.6625(h)]	Other: The owner or operator must develop and follow a maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions, in accordance with Table 6 item 9 to Subpart ZZZZ of 40 CFR 63. [40 CFR 63.6640(a)].	Other: The owner or operator must keep records of the maintenance procedures and replacements events. Each record must be readily accessible for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.6660(c) and 40 CFR 63.10(b)(1). [40 CFR 63.6655(e)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
25	For owners and operators of emergency engines, any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year as allowed in 40 CFR 63.6640(f)(1)(iii), is prohibited. (MACT 40 CFR 63 Subpart ZZZZ - Stationary Reciprocating Internal Combustion Engines) [40 CFR 63.6640(f)(1)]	Monitored by hour/time monitor continuously. The owner or operator of an emergency stationary internal combustion engine must install a non-resettable hour meter if one is not already installed. [40 CFR 63.6625(f)]	Recordkeeping by manual logging of parameter or storing data in a computer data system annually. The owner or operator must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The owner or operator must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. If the engines are used for demand response operation, the owner or operator must keep records of the notification of the emergency situation, and the time the engine was operated as part of demand response. [40 CFR 63.6655(f)(1)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
26	The owner or operator may operate an emergency stationary RICE for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks and readiness testing of such units is limited to 100 hours per year. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency RICE beyond 100 hours per year. The owner or operator may operate an emergency RICE up to 50 hours per year in non-emergency situations as allowed by 40 CFR 63.6640(f)(1)(iii) but those 50 hours are counted towards the 100 hours per year provided for maintenance and testing. (MACT 40 CFR 63 Subpart ZZZZ - Stationary Reciprocating Internal Combustion Engines) [40 CFR 63.6640(f)(1)]	Monitored by hour/time monitor continuously. The owner or operator of an emergency stationary internal combustion engine must install a non-resettable hour meter if one is not already installed. [40 CFR 63.6625(f)]	Recordkeeping by manual logging of parameter or storing data in a computer data system annually. The owner or operator must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The owner or operator must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. If the engines are used for demand response operation, the owner or operator must keep records of the notification of the emergency situation, and the time the engine was operated as part of demand response. [40 CFR 63.6655(f)(1)]	None.
27	The owner or operator shall comply with the General Provisions as shown in Table 8 to Subpart ZZZZ of 40 CFR 63 that apply to an existing emergency CI RICE <= 500 HP or black start RICE constructed or reconstructed before June 12, 2006 and located at a major source of HAP. (MACT 40 CFR 63 Subpart ZZZZ - Stationary Reciprocating Internal Combustion Engines) [40 CFR 63.6665]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U23 1000 Kw Landfill gas-fueled IC Engine-driven Electric Generator w/Sulfur treatment system, Subject to NSPS 40 CFR 60 Subparts A & JJJJ**

Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	SUMMARY OF FEDERAL REGULATIONS: * NSPS 40 CFR 60, SUbpart A - General Provisions * NSPS 40 CFR 60, SUbpart JJJJ - Stationary Spark Ignition Internal Combustion Engines. [40 CFR Federal Rules Summary]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
2	RENEWAL STACK TESTING SUMMARY: The permittee shall conduct a stack test no later than every five years (see General Provisions) from the last stack test using an approved protocol to demonstrate at PT 25 using an approved protocol to demonstrate compliance with emission limits for NOx, CO, VOC, SO2 and formaldehyde as specified in the compliance plan for OS1. Testing must be conducted at worst-case permitted operating conditions with regard to meeting the applicable emission standards, but without creating an unsafe condition. [N.J.A.C. 7:27-22.16(a)]	Monitored by stack emission testing prior to permit expiration date, based on a 1 hour block average. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event Recordkeeping as required under the applicable operating scenario(s). [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule Submit protocol, conduct test and submit results: As per the approved schedule. Submit a stack test protocol to the Emission Measurement Section (EMS) at Mail Code: 09-01, PO Box 420, Trenton, NJ 08625 no later than 12 months prior to the completion of the five year period since the last stack test. The protocol and test report must be prepared and submitted on a CD using the Electronic Reporting Tool (ERT), unless another format is approved by EMS. The ERT program can be downloaded at: https://www.epa.gov/chief. Within 30 days of protocol approval or no less than 60 days prior to the testing deadline, whichever is later, the permittee must contact EMS at 609-984-3443 to schedule a mutually acceptable test date. A full stack test report must be submitted to BTS and a certified summary test report must be submitted to the Regional Enforcement Office within 45 days after performing the stack test pursuant to N.J.A.C. 7:27-22.19(d). The test results must be certified by a licensed professional engineer or certified industrial hygienist. [N.J.A.C. 7:27-22.18(e)] and . [N.J.A.C. 7:27-22.18(h)]
3	The owner or operator of any stationary reciprocating engine subject to N.J.A.C. 7:27-16.10 (i.e., any engine that is subject to the provisions of N.J.A.C. 7:27-19, except emergency generators) shall cause it at all times to emit concentrations of CO <= 500 ppm @ 15% O2. [N.J.A.C. 7:27-16.10(b)]	CO: Monitored by stack emission testing prior to permit expiration date, based on the average of three 1-hour tests. Refer Ref #1 for timing of the testing. [N.J.A.C. 7:27-16.23(a)2]	CO: Recordkeeping by stack test results upon occurrence of event. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See the stack testing requirements in this OS Summary. [N.J.A.C. 7:27-16.23(a)2]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
4	VOC (Total): The owner or operator of any stationary reciprocating engine with a maximum rated power output of at least 500 brake horsepower or greater, subject to N.J.A.C. 7:27-16, shall demonstrate and maintain compliance in accordance with the procedures at N.J.A.C. 7:27-16.23. [N.J.A.C. 7:27-16.10(d)]	VOC (Total): Monitored by stack emission testing once initially and prior to permit renewal, based on each of three Department validated stack test runs. Any source conducting emissions tests for VOC to determine compliance with this section shall do so using Reference Method 10 found in 40 CFR Part 60 - Appendix A or any equivalent method approved in advance by the Department and acceptable to EPA. Refer to additional stack testing requirements in this OS Summary. [N.J.A.C. 7:27-16.10(f)]	VOC (Total): Recordkeeping by stack test results upon occurrence of event. [N.J.A.C. 7:27-22.16(o)]	None.
5	The owner or operator of any stationary reciprocating engine subject to N.J.A.C. 7:27-16 with a maximum rated power output of at least 37 kW or greater, whether or not located at a major NOx facility, shall adjust the combustion process in accordance with the procedure set forth at N.J.A.C. 7:27-19.16 and the following schedule: For a stationary reciprocating engine that has a maximum rated power output of at least 500 brake horsepower or greater, adjust the combustion process according to manufacturer's recommended maintenance schedules, or annually, whichever is sooner. [N.J.A.C. 7:27-16.10(e)2]	Other: The owner or operator of a stationary combustion turbine or reciprocating engine shall ensure that the adjustment of the combustion process is carried out according to the manufacturer's recommended procedures and maintenance schedule.[N.J.A.C. 7:27-19.16(g)].	Recordkeeping by manual logging of parameter or storing data in a computer data system upon performing combustion adjustment. Such record shall contain 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 performed the procedure and adjustment; 3. The type of procedure and maintenance performed; 4. The concentrations of NOx, CO and O2, measured before and after the adjustment was made; and 5. The type and amount of fuel use over the 12 months prior to the adjustment. [N.J.A.C. 7:27-19.16(h)]	None.
6	Emission Offset rule: The permanent reduction of 40.31 tons NOx emissions that meet the criteria established in N.J.A.C. 7:27-18.1 et. seq. shall be in effect on or before the initiation of operation of the new landfill gas engine. [N.J.A.C. 7:27-18.3(e)4]	None.	Other: Keep a copy of the transmital letter(s) on file.[N.J.A.C. 7:27-18.3(f)].	Comply with the requirement: Once initially. Obtain emission offsets prior to the initial start-up of the landfill gas engine. [N.J.A.C. 7:27-18.3(f)]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	The permittee shall comply with all applicable requirements as specified at N.J.A.C 7:27-19. Any stationary reciprocating engine used for generating electricity, whether or not it is located at a major NOx facility, that has a maximum rated power output of 148 kilowatt or greater shall be subject to the provisions of this subchapter. [N.J.A.C. 7:27-19.2(c)3]	None.	None.	None.
8	CO <= 45.38 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	NOx (Total) <= 8.25 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
10	NOx (Total) <= 1.5 grams/brake horsepower-hour . [N.J.A.C. 7:27-19.8(e)]	NOx (Total): Monitored by stack emission testing prior to permit renewal, based on the average of three Department validated stack test runs. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	NOx (Total): Recordkeeping by stack test results upon occurrence of event. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]
11	VOC (Total) <= 4.5 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
12	SO2 <= 2 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
13	TSP <= 2.46 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
14	PM-10 (Total) <= 2.46 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
15	PM-2.5 (Total) <= 2.46 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
16	H2S <= 0.17 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
17	H2S <= 150 ppmv in landfill gas after sulfur treatment. [N.J.A.C. 7:27-22.16(a)]	H2S: Monitored by fuel sampling (e.g. gas) each month during operation. [N.J.A.C. 7:27-22.16(o)]	H2S: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.
18	HCl Emissions <= 0.04 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
19	Formaldehyde <= 0.0001 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
20	Other Gaseous Fuel Usage <= 183.3 MMft^3/yr. [N.J.A.C. 7:27-22.16(a)]	Other Gaseous Fuel Usage: Monitored by fuel flow/firing rate instrument daily, based on a 12 calendar month period. The permittee shall install, calibrate and maintain th monitor(s) in accordance with the manufacturer's specifications. The monitor's shall be ranged such that the allowable value is approximately mid-scale of the full range current/voltage output. . [N.J.A.C. 7:27-22.16(o)]	Other Gaseous Fuel Usage: Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27-22.16(o)]	None.
21	The permittee shall conduct Periodic Emission Monitoring (PMP) to determine NOx, CO and O2 concentrations in the exhaust gases quarterly with landfill gas. Results of PMP shall be recorded in the same units as the permit limits (e.g. Convert from ppm to lb/hr if necessary). The initial PMP frequency may be reduced to semiannually after 12 months if test results showing compliance with the permit limits. The minimum duration between monthly PMP tests shall be 15 calendar days. The permittee must request a reduction in PMP frequency through the modification procedures. The permitte may skip this quarterly PMP testing, if Engine has run only for less than 100 continuous hours, in one quarter. [N.J.A.C. 7:27-22.16(a)]	Monitored by periodic emission monitoring at the approved frequency . [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. [N.J.A.C. 7:27-22.16(o)]	None.
22	The provisions of federal NSPS requirements at 40 CFR 60 Subpart JJJJ shall become applicable to the owner and operator of this stationary spark ignition (SI) internal combustion engines, if the stationary SI ICE is modified or reconstructed after June 12, 2006. (NSPS 40 CFR 60, SUbpart JJJJ - Stationary Spark Ignition Internal Combustion Engines). [40 CFR 60.4230(a)(5)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U23 1000 Kw Landfill gas-fueled IC Engine-driven Electric Generator w/Sulfur treatment system, Subject to NSPS 40 CFR 60 Subparts A & JJJJ**

Operating Scenario: **OS1 1000kw LFG-to-Energy Generator (9.81 MMBTU/hr)**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Opacity <= 20 % , exclusive of visible condensed water vapor, except for a period of not longer than 10 consecutive seconds. [N.J.A.C. 7:27- 3.5]	Opacity: Monitored by visual determination each month during operation, based on a 10 consecutive second period. [N.J.A.C. 7:27-22.16(o)]	Opacity: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. All records created in a calendar year shall be maintained on site for five additional calendar years, and made available to the Department for review, upon request. [N.J.A.C. 7:27- 3.6]	None.
2	Particulate Emissions <= 5.88 lb/hr. [N.J.A.C. 7:27- 4.2(a)]	Particulate Emissions: Monitored by stack emission testing once initially, based on each of three Department validated stack test runs. [N.J.A.C. 7:27- 4.4]	Particulate Emissions: Recordkeeping by stack test results once initially. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]
3	CO <= 10.69 lb/hr. [N.J.A.C. 7:27-22.16(a)]	CO: Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on each of three Department validated stack test runs. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	CO: Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]
4	CO <= 3.3 grams/brake horsepower-hour. [N.J.A.C. 7:27-22.16(a)]	CO: Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on each of three Department validated stack test runs. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	CO: Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]
5	CO <= 336 ppmvd @ 15% O2. [N.J.A.C. 7:27-22.16(a)]	CO: Monitored by periodic emission monitoring 4 times a year. [N.J.A.C. 7:27-22.16(o)]	CO: Recordkeeping by stack test results prior to permit expiration date. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]
6	NOx (Total) <= 1.93 lb/hr. [N.J.A.C. 7:27-22.16(a)]	NOx (Total): Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on each of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)]	NOx (Total): Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	NOx (Total) <= 0.6 grams/brake horsepower-hour. [N.J.A.C. 7:27-22.16(a)]	NOx (Total): Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on each of three Department validated stack test runs. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	NOx (Total): Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]
8	VOC (Total) <= 1.1 lb/hr. [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on each of three Department validated stack test runs. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]
9	SO2 <= 0.47 lb/hr. [N.J.A.C. 7:27-22.16(a)]	SO2: Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on each of three Department validated stack test runs. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	SO2: Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]
10	TSP <= 0.58 lb/hr. [N.J.A.C. 7:27-22.16(a)]	TSP: Monitored by stack emission testing once initially, based on each of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)]	TSP: Recordkeeping by stack test results once initially. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]
11	PM-10 (Total) <= 0.58 lb/hr. [N.J.A.C. 7:27-22.16(a)]	PM-10 (Total): Monitored by stack emission testing once initially, based on each of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)]	PM-10 (Total): Recordkeeping by stack test results once initially. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: Once initially. [N.J.A.C. 7:27-22.16(o)]
12	PM-2.5 (Total) <= 0.58 lb/hr. [N.J.A.C. 7:27-22.16(a)]	PM-2.5 (Total): Monitored by stack emission testing once initially, based on each of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)]	PM-2.5 (Total): Recordkeeping by stack test results once initially. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: Once initially. [N.J.A.C. 7:27-22.16(o)]
13	Maximum Gross Heat Input <= 12.6 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	Other: Fuel burner rated capacity based on HHV of landfill gas.[N.J.A.C. 7:27-22.16(o)].	None.	None.
14	Oxygen > 6 %. [N.J.A.C. 7:27-22.16(a)]	Oxygen: Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on an instantaneous determination. [N.J.A.C. 7:27-22.16(o)]	Oxygen: Recordkeeping by stack test results every 5 years (based on completion date of the last stack test) and by manual logging of portable emissions monitoring results thereafter. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
15	Formaldehyde <= 1 lb/hr. [N.J.A.C. 7:27-22.16(a)]	Formaldehyde: Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three 1-hour tests. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	Formaldehyde: Recordkeeping by manual logging of parameter or storing data in a computer data system every 5 years (based on completion date of the last stack test). [N.J.A.C. 7:27-22.16(o)]	None.
16	Non-Methane Hydrocarbons <= 20 ppmv @ 3% O2 (as hexane) or >= 98% destructive removal efficiency determined between the inlet and exhaust of the engine. [N.J.A.C. 7:27-22.16(a)]	Non-Methane Hydrocarbons: Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on each of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)]	Non-Methane Hydrocarbons: Recordkeeping by manual logging of parameter or storing data in a computer data system every 5 years (based on completion date of the last stack test). [N.J.A.C. 7:27-22.16(o)]	None.
17	Temperature at Exit of Combustion Chamber >= 877 degrees F or as determined determined during stack emission testing to meet 98% destruction removal efficiency for the NMOC in landfill gas. [N.J.A.C. 7:27-22.16(a)]	Other: Please see Monitoring Requirement (U23/OS1/REf. #19) and stack testing (U23/OSO/Ref. #10)[N.J.A.C. 7:27-22.16(o)].	Temperature at Exit of Combustion Chamber: Recordkeeping by strip chart or data acquisition (DAS) system continuously and by stack test results). [N.J.A.C. 7:27-22.16(o)]	Submit a stack test report: As per the approved schedule (See applicable requirement U23/OSO/Ref. #10). [N.J.A.C. 7:27-22.16(o)]
18	The permittee shall comply with all applicable requirements as specified at 40 CFR 60 Standard of Performance for Municipal Solid Waste Landfills, Subpart WWW. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
19	The owner or operator shall route all the collected gas to either: (1) an open flare designed and operated in accordance with the parameters established in 40 CFR 60.18; or (2) a control system designed and operated to reduce NMOC by 98 weight percent; or (3) an enclosed combustor designed and operated to reduce the outlet NMOC concentration to 20 ppmvd at 3% oxygen (as hexane), or less; or (4) a treatment system that processes the collected gas for subsequent sale or use. [All emissions from any atmospheric vent from the gas treatment system shall be subject to the requirements of 1, 2, or 3 above.] (NSPS 40 CFR 60 Subpart WWW - Municipal Solid Waste Landfills That Commenced Construction, Reconstruction, or Modification on or After May 30, 1991, but Before July 18, 2014) [40 CFR 60.752(b)(2)(iii)]	None.	Other: Each owner or operator shall keep up-to-date, readily accessible records for the life of the control equipment the percent reduction of NMOC determined as specified in 40 CFR 60.752(b)(2)(iii)(B) achieved by the control device as measured during the initial performance test or compliance determination and the average combustion temperature measured at least every 15 minutes and averaged over the same time period of the performance test. Records of the control device vendor specifications shall be maintained until removal. And Stack Test Results (See Applicable Requirement for PT1). [N.J.A.C. 7:27-22.16(e)] &[40 CFR 60.758(b)].	None.
20	Each owner or operator shall calibrate, maintain, and operate according to the manufacturer's specifications, a temperature monitoring device equipped with a continuous recorder and having a minimum accuracy of +/- 1 percent of the temperature being measured expressed in degrees Celsius or +/- 0.5 degrees Celsius, whichever is greater. (NSPS 40 CFR 60 Subpart WWW - Municipal Solid Waste Landfills That Commenced Construction, Reconstruction, or Modification on or After May 30, 1991, but Before July 18, 2014) [40 CFR 60.756(b)(1)]	Other: Monitored by temperature instrument measured at least every 15 minutes and averaged over the same time period of the performance test. See Applicable Requirement.[40 CFR 60.758(b)(2)].	Recordkeeping by strip chart or data acquisition (DAS) system continuously. See Applicable Requirement. [40 CFR 60.758(c)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
21	Each owner or operator shall calibrate, maintain, and operate according to the manufacturer's specifications, a gas flow rate measuring device that records flow to or bypass of the control device; or secure the bypass line valve in the closed position with a car-seal or a lock-and-key type configuration. (NSPS 40 CFR 60 Subpart WWW - Municipal Solid Waste Landfills That Commenced Construction, Reconstruction, or Modification on or After May 30, 1991, but Before July 18, 2014) [40 CFR 60.756(b)(2)]	Monitored by gas flow rate instrument continuously recording the flow to the control device at least every 15 minutes; or by visual inspection of the seal or closure mechanism performed at least once every month to ensure that the valve is maintained in the closed position and that the gas flow is not diverted through the bypass line. [40 CFR 60.756(b)(2)]	Recordkeeping by strip chart or data acquisition (DAS) system continuously ; or manual logging of visual inspections (permanently bound), monthly. [40 CFR 60.756(b)(2)]	None.
22	Each owner or operator shall keep for 5 years up-to-date, readily accessible continuous records of the equipment operating parameters specified to be monitored in 40 CFR 60.756 as well as up-to-date, readily accessible records for periods of operation during which the parameter boundaries established during the most recent performance test are exceeded. The following constitute exceedances that shall be recorded and reported under 40 CFR 60.757(f): (i) For enclosed combustors except for boilers and process heaters with design heat input capacity of 44 megawatts (150 million British thermal unit per hour) or greater, all 3-hour periods of operation during which the average combustion temperature was more than 28 deg C below the average combustion temperature during the most recent performance test at which compliance with 40 CFR 60.752(b)(2)(iii) was determined. (NSPS 40 CFR 60 Subpart WWW - Municipal Solid Waste Landfills That Commenced Construction, Reconstruction, or Modification on or After May 30, 1991, but Before July 18, 2014) [40 CFR 60.758(c)(1)(i)]	None.	Other: See Applicable Requirement.[40 CFR 60.758(c)(1)(i)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
23	Each owner or operator shall keep up-to-date, readily accessible continuous records of the indication of flow to the control device or the indication of bypass flow or records of monthly inspections of car-seals or lock-and-key configurations used to seal bypass lines, specified under 40 CFR 60.756. (NSPS 40 CFR 60 Subpart WWW - Municipal Solid Waste Landfills That Commenced Construction, Reconstruction, or Modification on or After May 30, 1991, but Before July 18, 2014) [40 CFR 60.758(c)(2)]	None.	Other: See Applicable Requirement.[40 CFR 60.758(c)(2)].	None.
24	The landfill gas bypass line shall be equipped with a lock and key or a car seal to secure the valve in the closed position. A visual inspection of the seal or closure mechanism shall be performed at least once per month to ensure the valve is maintained in the closed position and that gas flow is not diverted through the bypass line. (NSPS 40 CFR 60 Subpart WWW - Municipal Solid Waste Landfills That Commenced Construction, Reconstruction, or Modification on or After May 30, 1991, but Before July 18, 2014) [40 CFR 60.756]	None.	Record the calendar day and time of the inspection when the operator determined the landfill gas bypass valve was in the closed position. Also record the date and time when the position of the bypass valve was placed allow landfill gas to bypass the landfill gas engines. Recordkeeping by other recordkeeping method (provide description) each month during operation. [40 CFR 60.757]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U24 305 BHP Detroit Diesel Clarke Fire Pump, Subject to MACT 40 CFR 63 Subparts A and ZZZZ**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	SUMMARY OF FEDERAL REGULATIONS: * MACT 40 CFR 63 Subpart A - General Provisions * MACT 40 CFR 63 Subpart ZZZZ - Stationary Reciprocating Internal Combustion Engines [40 CFR Federal Rules Summary]	None.	None.	None.
2	Opacity <= 20 % , exclusive of visible condensed water vapor, except for a period of not longer than 10 consecutive seconds. [N.J.A.C. 7:27- 3.5]	None.	None.	None.
3	Particulate Emissions <= 1.38 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.
4	Sulfur Content in Fuel <= 15 ppmw. [N.J.A.C. 7:27- 9.2(b)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	None.
5	Fuel stored in New Jersey that met the applicable maximum sulfur content standard of Tables 1A or 1B of N.J.A.C. 7:27-9.2 at the time it was stored in New Jersey may be used in New Jersey after the operative date of the applicable standard in Table 1B. [N.J.A.C. 7:27- 9.2(b)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
6	The Fire Pump shall be located at the facility and produce mechanical or thermal energy, or electrical power exclusively for use at the facility. This emergency generator shall be operated only: 1. During the performance of normal testing and maintenance procedures, as recommended in writing by the manufacturer and/or as required in writing by a Federal or State law or regulation, 2. When there is power outage or the primary source of mechanical or thermal energy fails because of an emergency, or 3. When there is a voltage reduction issued by PJM and posted on the PJM internet website (www.pjm.com) under the "emergency procedures" menu. [N.J.A.C. 7:27-19.1]	Monitored by hour/time monitor continuously. [N.J.A.C. 7:27-22.16(o)]	Other: The Permittee shall maintain on site and record in a logbook or computer data system, the following information: 1. For each time the emergency generator is specifically operated for testing or maintenance: i. The reason for its operation; ii. The date(s) of operation and the start up and shut down time; iii. The total operating time for testing or maintenance based on the generator's hour meter; and iv. The name of the operator; and 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. [N.J.A.C. 7:27-19.11].	None.
7	The permittee is not required to comply with applicable requirements specified at N.J.A.C 7:27-19 since this unit does not exceed the threshold below. Any stationary reciprocating engine capable of producing an output of 500 brake horsepower or more and located at a major NOx facility shall be subject to the provisions of this subchapter. [N.J.A.C. 7:27-19.2(b)4]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
8	This Fire Pump shall not be used: 1. For normal testing and maintenance on days when the Department forecasts air quality anywhere in New Jersey to be "unhealthy for sensitive groups," "unhealthy," or "very unhealthy" as defined in the EPA's Air Quality Index at http://airnow.gov/, as supplemented or amended and incorporated herein by reference, unless required in writing by a Federal or State law or regulation. Procedures for determining the air quality forecasts for New Jersey are available at the Department's air quality permitting web site at http://www.state.nj.us/dep/aqpp/aqforecast; and 2. As a source of energy or power after the primary energy or power source has become operable again. If the primary energy or power source is under the control of the owner or operator of the emergency generator, the owner or operator shall make a reasonable, timely effort to repair the primary energy or power source. [N.J.A.C. 7:27-19.2(d)]	None.	None.	None.
9	The Permittee shall, once per month, record the total operating time from the Fire Pump hour meter. [N.J.A.C. 7:27-19.11]	Monitored by hour/time monitor continuously . [N.J.A.C. 7:27-22.16(o)]	Other: The Permittee shall maintain on site and record in a logbook or computer data system the total operating time from the generator's hour meter. Once per month. [N.J.A.C. 7:27-19.11].	None.
10	Maximum Gross Heat Input <= 2.3 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	Maximum Gross Heat Input: Monitored by documentation of construction once initially. [N.J.A.C. 7:27-22.16(o)]	None.	None.
11	Fire Pump fuel limited to ULSD #2 fuel oil. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
12	Hours of Operation <= 10 hr/yr. The Permittee shall comply with the above hour per year limit. This Fire Pump shall be operated only: 1. During the performance of normal testing and maintenance procedures, as recommended in writing by the manufacturer and/or as required in writing by a Federal or State law or regulation, 2. To provide power to pump for fire suppression or protection in case of flood. [N.J.A.C. 7:27-22.16(a)]	Hours of Operation: Monitored by hour/time monitor continuously. [N.J.A.C. 7:27-22.16(o)]	Other: The Permittee shall maintain on site and record in a logbook or computer data system the total operating time from the generator's hour meter. Once per month. [N.J.A.C. 7:27-19.11].	None.
13	CO <= 0.011 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
14	NOx (Total) <= 0.051 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
15	VOC (Total) <= 0.004 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
16	SO2 <= 0.003 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
17	TSP <= 0.004 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
18	PM-10 (Total) <= 0.004 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
19	PM-2.5 (Total) <= 0.004 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
20	The owner or operator of an emergency CI RICE <= 500 HP or black start CI RICE constructed or reconstructed before June 12, 2006 shall change oil and filter every 500 hours of operation or annually, whichever comes first, as prescribed in Table 2c, item 1a to Subpart ZZZZ of 40 CFR 63. (MACT 40 CFR 63 Subpart ZZZZ - Stationary Reciprocating Internal Combustion Engines) [40 CFR 63.6602]	Other: The owner or operator shall change oil and filter every 500 hours of operation or annually, whichever comes first. The owner or operator must develop and follow a maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions, in accordance with Table 6 item 9 to Subpart ZZZZ of 40 CFR 63. [40 CFR 63.6640(a)].	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The owner or operator must keep records of the oil and filter change. Each record must be readily accessible for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.6660(c) and 40 CFR 63.10(b)(1). [40 CFR 63.6655(e)(2)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
21	The owner or operator of an emergency CI RICE <= 500 HP or black start CI RICE constructed or reconstructed before June 12, 2006 shall inspect air cleaner every 1,000 hours of operation or annually, whichever comes first; and inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary, as prescribed in Table 2c, item 1b and 1c to Subpart ZZZZ of 40 CFR 63. (MACT 40 CFR 63 Subpart ZZZZ - Stationary Reciprocating Internal Combustion Engines) [40 CFR 63.6602]	Other: The owner or operator shall inspect air cleaner every 1000 hours or annually, whichever comes first and inspect all hoses and belts every 500 hours of operation or annually, whichever comes first. The owner or operator must develop and follow a maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions, in accordance with Table 6 item 9 to Subpart ZZZZ of 40 CFR 63. [40 CFR 63.6640(a)].	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The owner or operator must keep records of the maintenance procedures and air cleaner, belt and hoses replacements events. Each record must be readily accessible for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.6660(c) and 40 CFR 63.10(b)(1). [40 CFR 63.6655(e)(2)]	None.
22	The engine must be in compliance with all applicable emission limitations and operating limitations in Subpart ZZZZ of 40 CFR 63 at all times. (MACT 40 CFR 63 Subpart ZZZZ - Stationary Reciprocating Internal Combustion Engines) [40 CFR 63.6605(a)]	None.	None.	None.
23	At all times the owner or operate must operate and maintain a RICE, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. (MACT 40 CFR 63 Subpart ZZZZ - Stationary Reciprocating Internal Combustion Engines) [40 CFR 63.6605(b)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
24	An owner or operator of an existing stationary emergency or black start RICE must operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or the owner or operator must develop a maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions. (MACT 40 CFR 63 Subpart ZZZZ - Stationary Reciprocating Internal Combustion Engines) [40 CFR 63.6625(e)]	Other: Monitored according to the manufacturer's emission-related written instructions or the maintenance plan developed by the owner or operator. [40 CFR 63.6625(e)].	Other: The owner or operator must keep records of the maintenance procedures. Each record must be readily accessible for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.6660(c) and 40 CFR 63.10(b)(1). [40 CFR 63.6655(e)].	None.
25	The owner or operator must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes. (MACT 40 CFR 63 Subpart ZZZZ - Stationary Reciprocating Internal Combustion Engines) [40 CFR 63.6625(h)]	Other: The owner or operator must develop and follow a maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions, in accordance with Table 6 item 9 to Subpart ZZZZ of 40 CFR 63. [40 CFR 63.6640(a)].	Other: The owner or operator must keep records of the maintenance procedures and replacements events. Each record must be readily accessible for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.6660(c) and 40 CFR 63.10(b)(1). [40 CFR 63.6655(e)].	None.
26	For owners and operators of emergency engines, any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year as allowed in 40 CFR 63.6640(f)(1)(iii), is prohibited. (MACT 40 CFR 63 Subpart ZZZZ - Stationary Reciprocating Internal Combustion Engines) [40 CFR 63.6640(f)(1)]	Monitored by hour/time monitor continuously. The owner or operator of an emergency stationary internal combustion engine must install a non-resettable hour meter if one is not already installed. [40 CFR 63.6625(f)]	Recordkeeping by manual logging of parameter or storing data in a computer data system annually. The owner or operator must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The owner or operator must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. If the engines are used for demand response operation, the owner or operator must keep records of the notification of the emergency situation, and the time the engine was operated as part of demand response. [40 CFR 63.6655(f)(1)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
27	The owner or operator may operate an emergency stationary RICE for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks and readiness testing of such units is limited to 100 hours per year. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency RICE beyond 100 hours per year. The owner or operator may operate an emergency RICE up to 50 hours per year in non-emergency situations as allowed by 40 CFR 63.6640(f)(1)(iii) but those 50 hours are counted towards the 100 hours per year provided for maintenance and testing. (MACT 40 CFR 63 Subpart ZZZZ - Stationary Reciprocating Internal Combustion Engines) [40 CFR 63.6640(f)(1)]	Monitored by hour/time monitor continuously. The owner or operator of an emergency stationary internal combustion engine must install a non-resettable hour meter if one is not already installed. [40 CFR 63.6625(f)]	Recordkeeping by manual logging of parameter or storing data in a computer data system annually. The owner or operator must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The owner or operator must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. If the engines are used for demand response operation, the owner or operator must keep records of the notification of the emergency situation, and the time the engine was operated as part of demand response. [40 CFR 63.6655(f)(1)]	None.
28	The owner or operator shall comply with the General Provisions as shown in Table 8 to Subpart ZZZZ of 40 CFR 63 that apply to an existing emergency CI RICE <= 500 HP or black start RICE constructed or reconstructed before June 12, 2006 and located at a major source of HAP. (MACT 40 CFR 63 Subpart ZZZZ - Stationary Reciprocating Internal Combustion Engines) [40 CFR 63.6665]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U25 Sorting and recycling**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.5 lb/hr. [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
2	Opacity <= 20 %. Opacity may be no greater than 20% exclusive of visible condensed water, except for a period of not longer than 3 minutes in any consecutive 30-minute period. For compliance with the monitoring and recordkeeping requirements for the visible emission standards, the permittee shall conduct required visual inspections during daylight hours. [N.J.A.C. 7:27-6.2(d)] &. [N.J.A.C. 7:27- 6.2(e)]	Opacity: Monitored by visual determination once per shift during operation, based on the averaging period as per Department approved test method. Visual inspections shall consist of a visual survey to identify if the stack has visible emissions (other than condensed water vapor) greater than the prescribed standard. If visible emissions are observed, the permittee shall: (1) Verify that the equipment and/or control device causing the emissions is operating according to manfacturer's specifications and the operating permit compliance plan. If the equipment and/or control device are not operating properly, the permittee shall take corrective action immediately to eliminate the excess emissions. The permittee must report any permit violation to the NJDEP pursuant to N.J.A.C. 7:27-22.19. (2) If the corrective action taken in step (1) does not correct the visible emissions problem within 24 hours, the applicant shall perform a check via a certified reader in accordance with N.J.A.C. 7:27B-2. Such a test shall be conducted each shift when operating until corrective action is taken to successfully correct the visible emissions problem. The permittee must report any continuing permit violation pursuant to N.J.A.C.7:27-22.19. [N.J.A.C. 7:27-22.16(o)]	Opacity: Recordkeeping by manual logging of parameter or storing data in a computer data system once per shift during operation (permanently bound). 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 if needed, (6) date and time visible emission problem was solved, if applicable, (7) N.J.A.C.7:27B-2 results if conducted, and (8) name of person(s) conducting inspection. [N.J.A.C. 7:27-22.16(o)]	None.
3	TSP <= 1.06 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
4	PM-10 (Total) <= 0.398 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	PM-2.5 (Total) <= 0.398 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U25 Sorting and recycling**
Operating Scenario: **OS1 Andela Glass Breaker, OS2 Andela Trommel Screens (2), OS3 Andela hopper**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Annual limit of municipal solid waste processed and transferred by conveyor. Total Material Transferred <= 30 tons/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
2	TSP <= 0.05 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	PM-10 (Total) <= 0.0001 lb/hr. [N.J.A.C. 7:27-22.16(o)]	None.	None.	None.
4	PM-2.5 (Total) <= 0.0001 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U27 Doppstadt trommel screen (Diesel engine driven <1 MMBTU/hr)**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Opacity <= 20 %. Opacity may be no greater than 20% exclusive of visible condensed water, except for a period of not longer than 3 minutes in any consecutive 30-minute period. From BOP080002. [N.J.A.C. 7:27-6.2(d)] &. [N.J.A.C. 7:27- 6.2(e)]	Opacity: Monitored by visual determination each month during operation, based on the averaging period as per Department approved test method. Visual inspections shall consist of a visual survey during daylight hours to identify if the stack has visible emissions (other than condensed water vapor) greater than the prescribed standard. If visible emissions are observed, the permittee shall: (1) Verify that the equipment and/or control device causing the emissions is operating according to manfacturer's specifications and the operating permit compliance plan. If the equipment and/or control device are not operating properly, the permittee shall take corrective action immediately to eliminate the excess emissions. The permittee must report any permit violation to the NJDEP pursuant to N.J.A.C. 7:27-22.19. (2) If the corrective action taken in step (1) does not correct the visible emissions problem within 24 hours, the applicant shall perform a check via a certified reader in accordance with N.J.A.C. 7:27B-2. Such a test shall be conducted each shift when operating until corrective action is taken to successfully correct the visible emissions problem. The permittee must report any continuing permit violation pursuant to N.J.A.C.7:27-22.19. [N.J.A.C. 7:27-22.16(o)]	Opacity: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation (permanently bound). 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 if needed, (6) date and time visible emission problem was solved, if applicable, (7) N.J.A.C.7:27B-2 results if conducted, and (8) name of person(s) conducting inspection. [N.J.A.C. 7:27-22.16(o)]	None.
2	Hours of Operation <= 2,500 hours. [N.J.A.C. 7:27-22.16(a)]	Hours of Operation: Monitored by hour/time monitor continuously, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	Hours of Operation: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
3	TSP <= 0.98 tons/yr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
4	PM-10 (Total) <= 0.36 tons/yr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
5	The Trommel screen's engine shall be limited to Maximum Gross Heat Input < 1 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	Maximum Gross Heat Input: Monitored by documentation of construction once initially. [N.J.A.C. 7:27-22.16(o)]	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U27 Doppstadt trommel screen (Diesel engine driven <1 MMBTU/hr)**
Operating Scenario: **OS1 Trommel Screen**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.8 lb/hr. [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
2	Total Material Transferred <= 300 tons/hr Annual limit of municipal solid waste processed based on equipment capacity. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	TSP <= 0.8 lb/hr based on AP-42 emission factor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	PM-10 (Total) <= 0.3 lb/hr based on AP-42 emission factor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	PM-2.5 (Total) <= 0.3 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U29 AST Dispensing Facility 20,000 Gallon Tank With Two Compartments (5,000 Gallon Gasoline And 15,000 Gallon Diesel)**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	SUMMARY OF FEDERAL REGULATIONS: * Subpart Kb - Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 * MACT 40 CFR 63, Subpart CCCCCC - Hazardous Air Pollutants for Source Category: Gasoline Dispensing Facilities [40 CFR Federal Rules Summary]	None.	None.	None.
2	Sulfur Content in Fuel <= 15 ppmw (0.0015% by weight). [N.J.A.C. 7:27-9.2(b)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	None.
3	Fuel stored in New Jersey that met the applicable maximum sulfur content standard of Tables 1A or 1B of N.J.A.C. 7:27-9.2 at the time it was stored in New Jersey may be used in New Jersey after the operative date of the applicable standard in Table 1B. [N.J.A.C. 7:27- 9.2(b)]	None.	None.	None.
4	The permittee shall maintain records specifying each material stored and its vapor pressure at standard conditions. [N.J.A.C. 7:27-16.2(k)]	Other: Tank contents.[N.J.A.C. 7:27-22.16(o)].	Recordkeeping by manual logging of parameter or storing data in a computer data system per change of material in a permanently bound log book. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
5	No person shall cause, suffer, allow, or permit the transfer of gasoline into any receiving vessel having a maximum capacity of 2,000 gallons (7,570 liters) or greater unless such transfer is made through a submerged fill pipe or by other means approved by the Department as being equally or more effective in preventing the emission of any VOC into the outdoor atmosphere during transfer. [N.J.A.C. 7:27-16.3(c)]	None.	None.	None.
6	Gasoline transfer from any delivery vessel into any stationary storage tank having a maximum capacity of 2,000 gallons or greater shall be made only when such storage tank is equipped and operating with one of the following emission controls: A vapor control system that: (1) Reduces the total applicable VOC emissions into the outdoor atmosphere by no less than 98% of the concentration of applicable VOC by volume in the air-vapor mixture displaced during the transfer of gasoline; and (2) Includes a pressure/vacuum relief valve on each atmospheric vent which remains closed during the gasoline transfer; or a floating roof; and the storage tank meets the requirements of N.J.A,C 7:27-16.2. [N.J.A.C. 7:27-16.3(d)]	None.	None.	None.
7	No person shall cause, suffer, allow, or permit a transfer of gasoline, to or from a delivery vessel, if the transfer is subject to the provisions of 16.3(d), (l), or (m), and if the delivery vessel being loaded is under a pressure in excess of 18 inches of water (34 millimeters of mercury) gauge or the delivery vessel being unloaded is under vacuum in excess of six inches of water (11 millimeters of mercury) gauge. [N.J.A.C. 7:27-16.3(k)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
8	No person shall cause, suffer, allow, or permit any transfer of gasoline, subject to the provisions of 16.3(d), (e), (m), or (n), if: 1. The delivery vessel being loaded or unloaded, or the vapor control system or other equipment serving the transfer operation, has: i. A vapor leak which results in a concentration of applicable VOC greater than or equal to 100% of the lower explosive limit of propane, when measured at a distance of 1.0 inch (2.54 centimeters) or less from the location of the lead; or ii. A liquid leak; 2. Any component of the delivery vessel designed for preventing the release of gasoline vapors is not installed and operating as designed; or 3. Commencing or continuing the transfer would result in a liquid gasoline spill. [N.J.A.C. 7:27-16.3(o)]	None.	None.	None.
9	Gasoline transfer into any gasoline vapor laden vehicular fuel tank shall be made only with an operating vapor control system that is approved by the Department and certified by CARB, e.g., CARB certified Stage II Recovery System (Emco Wheaton Vapor Balance System, A-4000). [N.J.A.C. 16.3(e)] & [N.J.A.C. 7:27-16.3(q)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
10	Maintain records of blockage and pressure drop tests. Permittee shall conduct and pass a California Air Resource Board (CARB) Certified Blockage and Pressure Drop Test within 90 days of: installation of Gasoline Stage II Vapor Recovery System, replacement of any existing Gasoline tanks, addition of any new Gasoline tanks, and replacement of any underground vapor return lines. Applies to U28, OS1. [N.J.A.C. 7:27-22.16(a)]	Other: Permittee shall review Blockage and Pressure Drop Test results for compliance with CARB acceptable ranges. Once initially.[N.J.A.C. 7:27-22.16(o)].	Other: Manual logging of inspection date, time, and test results in a permanently bound logbook. All records must be maintained on site for the life of the equipment or until superseded by a new CARB test.[N.J.A.C. 7:27-22.16(o)].	None.
11	VOC (Total) <= 0.6658 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
12	Maintain records of blockage and pressure drop tests. Permittee shall conduct and pass a California Air Resource Board (CARB) Certified Blockage and Pressure Drop Test every 5 years. Applies to U29, OS1. [N.J.A.C. 7:27-22.16(a)]	Other: Permitte shall review Blockage and Pressure Drop Test results for compliance with CARB acceptable ranges. Test every 5 years.[N.J.A.C. 7:27-22.16(o)].	Other: Manual logging of inspection date, time, and test results in a permanently bound logbook. All records must be maintained on site for the life of the equipment or until superseded by a new CARB test.[N.J.A.C. 7:27-22.16(o)].	None.
13	The owner or operator shall keep a record of the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. [40 CFR 60.116b(b)]	None.	Recordkeeping by manual logging of parameter once initially in a permanently bound log book. [40 CFR 60.116b(b)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U29 AST Dispensing Facility 20,000 Gallon Tank With Two Compartments (5,000 Gallon Gasoline And 15,000 Gallon Diesel)**
Operating Scenario: **OS1 5000 Gallon Gasoline Fueling at AST Fuel Dispensing Facility**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Above ground fuel storage tank(s) exposed to the sun's rays must be painted white, except that this provision shall not apply to words and logograms applied to the external surface of the storage tank for purposes of identification provided such symbols do not cover more than 20 percent of the external surface area of the tank's sides and top or more than 200 square feet (18.6 square meters), whichever is less. [N.J.A.C. 7:27-16.2(b)1]	None.	None.	None.
2	The transfer of gasoline into a receiving vessel shall be made through a submerged fill pipe permanently affixed to the tank. [N.J.A.C. 7:27-16.4(b)] and [N.J.A.C. 7:27-16.3(c)1i]	None.	None.	None.
3	The transfer of gasoline from any delivery vessel into any stationary storage tank shall occur only if such storage tank is equipped and operating a Stage I vapor control system as follows: 1. Vapor control system that reduces the total applicable VOC emissions into the outdoor atmosphere by no less than 98 % of the applicable VOC by volume in the air vapor mixture displaced during the transfer of gasoline; and 2. A pressure/vacuum relief valve on each atmospheric vent which remains closed during the gasoline transfer [N.J.A.C. 7:27-16.3(d)1]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
4	Gasoline transfer from any delivery vessel into any stationary storage tank having a maximum capacity of 2,000 gallons or greater shall be made only when such storage tank is equipped and operating with one of the following emission controls: A vapor control system that: (1) Reduces the total applicable VOC emissions into the outdoor atmosphere by no less than 98% of the concentration of applicable VOC by volume in the air-vapor mixture displaced during the transfer of gasoline; and (2) Includes a pressure/vacuum relief valve on each atmospheric vent which remains closed during the gasoline transfer; or a floating roof; and the storage tank meets the requirements of N.J.A,C 7:27-16.2. [N.J.A.C. 7:27-16.3(d)]	None.	None.	None.
5	The pressure/vacuum relief valve on each atmospheric vent shall remain closed during transfer operations except when the positive cracking pressure is exceeded. [N.J.A.C. 7:27-16.3(d)1i2]	Other: The Permittee shall inspect the pressure/vaccum relief valve after delivery is completed to ensure that it is in place and intact.[N.J.A.C. 7:27-22.16(o)].	Recordkeeping by manual logging of parameter or storing data in a computer data system upon request of the Department. The Permittee shall retain on site the manufacturer's specifications demonstrating compliance with this requirement for the life of the equipment. [N.J.A.C. 7:27-22.16(o)]	None.
6	The permittee shall maintain records specifying each material stored and its vapor pressure at standard conditions. [N.J.A.C. 7:27-16.2(k)]	Other: Tank contents.[N.J.A.C. 7:27-22.16(o)].	Recordkeeping by manual logging of parameter or storing data in a computer data system per change of material in a permanently bound log book. [N.J.A.C. 7:27-22.16(o)]	None.
7	No person shall cause, suffer, allow, or permit the transfer of gasoline into any receiving vessel having a maximum capacity of 2,000 gallons (7,570 liters) or greater unless such transfer is made through a submerged fill pipe or by other means approved by the Department as being equally or more effective in preventing the emission of any VOC into the outdoor atmosphere during transfer. [N.J.A.C. 7:27-16.3(c)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
8	Gasoline transfer into any gasoline vapor laden vehicular fuel tank shall be made only with an operating vapor control system that is approved by the Department and certified by CARB, e.g., CARB certified Stage II Recovery System (Emco Wheaton Vapor Balance System, A-4000). [N.J.A.C. 16.3(e)] & [N.J.A.C. 7:27-16.3(q)]	None.	None.	None.
9	No person shall cause, suffer, allow, or permit a transfer of gasoline, to or from a delivery vessel, if the transfer is subject to the provisions of 16.3(d), (l), or (m), and if the delivery vessel being loaded is under a pressure in excess of 18 inches of water (34 millimeters of mercury) gauge or the delivery vessel being unloaded is under vacuum in excess of six inches of water (11 millimeters of mercury) gauge. [N.J.A.C. 7:27-16.3(k)]	None.	None.	None.
10	No person shall cause, suffer, allow, or permit any transfer of gasoline, subject to the provisions of 16.3(d), (e), (m), or (n), if: 1. The delivery vessel being loaded or unloaded, or the vapor control system or other equipment serving the transfer operation, has: i. A vapor leak which results in a concentration of applicable VOC greater than or equal to 100% of the lower explosive limit of propane, when measured at a distance of 1.0 inch (2.54 centimeters) or less from the location of the lead; or ii. A liquid leak; 2. Any component of the delivery vessel designed for preventing the release of gasoline vapors is not installed and operating as designed; or 3. Commencing or continuing the transfer would result in a liquid gasoline spill. [N.J.A.C. 7:27-16.3(o)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
11	Total Throughput <= 60,000 gal/yr. [N.J.A.C. 7:27-22.16(a)]	Total Throughput: Monitored by review of fuel delivery records each month during operation and calculations, annually. [N.J.A.C. 7:27-22.16(o)]	Total Throughput: Recordkeeping by invoices / bills of lading / certificate of analysis each month during operation and manual logging of parameter (permanently bound), annually. [N.J.A.C. 7:27-22.16(o)]	None.
12	Tank content limited to ULSD gasoline. [N.J.A.C. 7:27-22.16(a)]	Monitored by review of fuel delivery records once per bulk fuel shipment. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by invoices / bills of lading / certificate of analysis once per bulk fuel shipment. [N.J.A.C. 7:27-22.16(o)]	None.
13	VOC (Total) <= 0.112 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
14	This equipment shall not cause any air contaminant, including an air contaminant detectable by the sense of smell, to be present in the outdoor atmosphere in such quantity and duration which is, or tends to be, injurious to human health or welfare, animal or plant life or property, or would unreasonably interfere with the enjoyment of life or property, except in areas over which the owner or operator has exclusive use or occupancy. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
15	All hoses, piping, connections, fittings and manholes shall be vapor tight and leak free, except when gauging or sampling is performed. [N.J.A.C. 7:27-22.16(a)]	None.	None.	Repair equipment: Upon occurrence of event. Upon detecting a leak the Permittee shall immediately take the equipment out of service until the equipment is repaired consistent with manufacturer's specifications. The Permittee shall contact DEP hotline at 1-877-927-6337 in the event a leak results in a discharge. [N.J.A.C. 7:27-22.16(o)]
16	The dispensing devices, associated hoses, and nozzles shall be maintained according to manufacturer's specifications. [N.J.A.C. 7:27-22.16(a)]	Monitored by visual determination daily. Permittee shall visually inspect the dispensing devices for leaks (liquid or vapor). [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. Permittee shall record the dates and results of the daily inspection for leaks and any remedial action taken if there were any leaks to repair the leaks. All records must be maintained on site for a minimum of 5 years and made readily readily accessible to the Department upon request. [N.J.A.C. 7:27-22.16(o)]	Repair equipment: Upon occurrence of event. Upon detecting a leak the Permittee shall immediately take the equipment out of service until the equipment is repaired consistent with manufacturer's specifications. [N.J.A.C. 7:27-22.16(o)]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
17	Each new or replaced tank(s) must be equipped with a dual point (no coaxial) vapor balance system. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
18	Maintain records of blockage and pressure drop tests. Permittee shall conduct and pass a California Air Resource Board (CARB) Certified Blockage and Pressure Drop Test within 90 days of: installation of Gasoline Stage II Vapor Recovery System, replacement of any existing Gasoline tanks, addition of any new Gasoline tanks, and replacement of any underground vapor return lines. [N.J.A.C. 7:27-22.16(a)]	Other: Permittee shall review Blockage and Pressure Drop Test results for compliance with CARB acceptable ranges. Once initially.[N.J.A.C. 7:27-22.16(o)].	Other: Manual logging of inspection date, time, and test results in a permanently bound logbook. All records must be maintained on site for the life of the equipment or until superseded by a new CARB test.[N.J.A.C. 7:27-22.16(o)].	None.
19	Maintain records of blockage and pressure drop tests. Permittee shall conduct and pass a California Air Resource Board (CARB) Certified Blockage and Pressure Drop Test every 5 years. [N.J.A.C. 7:27-22.16(a)]	Other: Permitte shall review Blockage and Pressure Drop Test results for compliance with CARB acceptable ranges. Test every 5 years.[N.J.A.C. 7:27-22.16(o)].	Other: Manual logging of inspection date, time, and test results in a permanently bound logbook. All records must be maintained on site for the life of the equipment or until superseded by a new CARB test.[N.J.A.C. 7:27-22.16(o)].	None.
20	The owner or operator shall keep a record of the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. (NSPS 40 CFR 60, Subpart Kb - Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984) [40 CFR 60.116b(b)]	None.	Recordkeeping by manual logging of parameter once initially in a permanently bound log book. [40 CFR 60.116b(b)]	None.
21	For GDF, the Permittee must minimize spills, clean up spills expeditiously; cover gasoline containers and storage tank fill pipes with a gasketed seal and minimize gasoline sent to open collection systems. (MACT 40 CFR 63, Subpart CCCCCC - Hazardous Air Pollutants for Source Category: Gasoline Dispensing Facilities). [40 CFR 63.11117]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
22	Submerged fill pipes installed after November 9, 2006 must be no more than 6 inches from the bottom of the storage tank. Submerged fill pipes not meeting the 6 inch specification of this section are allowed if the owner or operator demonstrates that the liquid level in the tank is always above the entire opening of the fill pipe. (MACT 40 CFR 63, Subpart CCCCCC - Hazardous Air Pollutants for Source Category: Gasoline Dispensing Facilities). [40 CFR 63.11117]	None.	Other: The Permittee shall retain documentation that the pipe discharge is no more than 6 inches in either a logbook or computer data system. All records must be maintained on site for a minimum of 5 years and make available to the Department upon request.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U29 AST Dispensing Facility 20,000 Gallon Tank With Two Compartments (5,000 Gallon Gasoline And 15,000 Gallon Diesel)**
Operating Scenario: **OS2 15,000 Gallon Diesel Fueling at AST Fuel Dispensing Facility**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Sulfur Content in Fuel <= 15 ppmw (0.0015% by weight). [N.J.A.C. 7:27-9.2(a)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	None.
2	Fuel stored in New Jersey that met the applicable maximum sulfur content standard of Tables 1A or 1B of N.J.A.C. 7:27-9.2 at the time it was stored in New Jersey may be used in New Jersey after the operative date of the applicable standard in Table 1B. [N.J.A.C. 7:27- 9.2(a)]	None.	None.	None.
3	VOC (Total) <= 0.04 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Operating Temperature <= 350 degrees F. The operating temperature of the tank shall not be greater than 350 degrees F. [N.J.A.C. 7:27-22.1]	None.	None.	None.
5	Vapor Pressure < 0.02 psia. 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.
6	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.
7	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.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
8	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.
9	The tank's or vessel's potential to emit each TXS and each HAP shall not exceed the reporting thresholds at N.J.A.C. 7:27-17.9(a). [N.J.A.C. 7:27-22.1]	None.	None.	None.
10	HAPs (Total) < 1 % by weight. The percentage by weight of all HAPs collectively in the raw material stored in the tank, or mixed or blended in the vessel, shall be less than 1.0 percent. [N.J.A.C. 7:27-22.1]	None.	None.	None.
11	The owner or operator shall have readily available upon Department request a statement certified in accordance with N.J.A.C. 7-27-1.39, signed by the responsible official, as defined at N.J.A.C. 7:27-1.4, that: (1) specifies the contents of the tank; (2) affirms that the tank or vessel meets the above applicable requirements and (3) attests that the tank or vessel is in compliance with all other applicable State or federal air pollution requirements. [N.J.A.C. 7:27-22.1]	None.	None.	None.

MONMOUTH COUNTY RECLAMATION CENTER (21351)
BOP180001

New Jersey Department of Environmental Protection
Facility Profile (General)

Facility Name (AIMS): Monmouth County Reclamation Center **Facility ID (AIMS):** 21351

Street Address: 6000 ASBURY AVE
TINTON FALLS, NJ 07753

Mailing Address: 6000 ASBURY AVE
TINTON FALLS, NJ 07753

State Plane Coordinates:

X-Coordinate:	2,154,913
Y-Coordinate:	514,293
Units:	New Jersey State Plane 8
Datum:	NAD27
Source Org.:	Other/Unknown
Source Type:	Other/Unknown

County: Monmouth

Location Description: Intersection of Asbury Ave and Shafto Road.

Industry:

Primary SIC:	4953
Secondary SIC:	
NAICS:	562212

New Jersey Department of Environmental Protection
Facility Profile (General)

Contact Type: **BOP - Operating Permits**

Organization: Monmouth County Reclamation Center
Org. Type: County
Name: Kevin Ganson
NJ EIN: 02160008810
Title: Assistant Superintendent
Phone: (732) 683-8686 x
Fax: (732) 922-6782 x
Other: ( ) - x
Type:
Email: kevin.ganson@co.monmouth.nj.us
Mailing Address: 6000 Asbury Avenue
Tinton Falls, NJ 07753

Contact Type: **Consultant**

Organization: TetraTech
Org. Type: Private
Name: Tiffany Medley
NJ EIN: 01234567890
Title: Senior Project Manager
Phone: (845) 695-0265 x
Fax: (845) 692-5894 x
Other: ( ) - x
Type:
Email: tiffany.medley@tetratech.com
Mailing Address: 16 Pearl Street
Suite 210
Metuchen, NJ 08840

Contact Type: **County Govt Officer**

Organization: Monmouth County Board of Chosen Freeholders
Org. Type: County
Name: Robert Czech
NJ EIN: 02160008810
Title: County Administrator
Phone: (732) 431-7384 x
Fax: (732) 409-4840 x
Other: ( ) - x
Type:
Email:
Mailing Address: P.O. Box 1255
Hall of Records
Freehold, NJ 07728

New Jersey Department of Environmental Protection
Facility Profile (General)

Contact Type: Fees/Billing Contact

Organization: Monmouth County Reclamation Center
Org. Type: County
Name: Matthew Rutkowski
NJ EIN: 02160008810
Title: Senior Environmental Engineer
Phone: (732) 683-8686 x5108
Fax: (732) 922-6782 x
Other: ( ) - x
Type:
Email: matthew.rutkowski@co.monmouth.nj.us
Mailing Address: 6000 Asbury Ave
Tinton Falls, NJ 07753

Contact Type: On-Site Manager

Organization: Monmouth County Reclamation Center
Org. Type: County
Name: Matthew Rutkowski
NJ EIN: 02160008810
Title: Senior Environmental Engineer
Phone: (732) 683-8686 x5108
Fax: (732) 922-6782 x
Other: ( ) - x
Type:
Email: matthew.rutkowski@co.monmouth.nj.us
Mailing Address: 6000 Asbury Ave
Tinton Falls, NJ 07753

Contact Type: Operator

Organization: Monmouth County
Org. Type: County
Name: Teri O'Connor
NJ EIN: 02160008810
Title: County Administrator
Phone: (732) 431-7384 x
Fax: (732) 409-4840 x
Other: ( ) - x
Type:
Email:
Mailing Address: PO Box 1255
Hall of Records Annex
Freehold, NJ 07728

New Jersey Department of Environmental Protection
Facility Profile (General)

Contact Type: Owner (Current Primary)

Organization: County of Monnmouth
Org. Type: County
Name: Monmouth County Bd of Chosen Freeholders
NJ EIN: 02160008810
Title:
Phone: (732) 683-8686 x
Fax: (732) 922-8782 x
Other: ( ) - x
Type:
Email:
Mailing Address: Hall of Records
1 East Main Street
Freehold, NJ 07728

Contact Type: Responsible Official

Organization: County of Monnmouth
Org. Type: County
Name: Geoffrey Perselay
NJ EIN: 02160008810
Title: Deputy County Administrator
Phone: (732) 431-7305 x
Fax: (732) 409-4820 x
Other: ( ) - x
Type:
Email: Geoff.Perselay@co.monmouth.nj.us
Mailing Address: Hall of Records
1 East Main Street
Freehold, NJ 07728

MONMOUTH COUNTY RECLAMATION CENTER (21351)
BOP180001

Date: 3/28/2024

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	Tanks <10,000 gallons	Storage Vessel	Fueling Station	0.032	0.000	0.000	0.000	0.000	0.000	0.000	0.00000000	0.000
IS2	Misc. Fuel Combustion < 1 MMBtu/hr	Emergency Generator	Facility-wide	0.008	0.010	0.002	0.001	0.001	0.001	0.000	0.00000000	0.000
IS3	Distillate Fuel Oil Tanks (0.02 psia vapor pressure)	Storage Vessel	Facility-wide	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.00000000	0.000
IS4	Doppstadt Engine	Stationary Reciprocating Engine	Facility-wide	0.063	0.525	0.588	0.163	0.063	0.063	0.000	0.00000000	0.000
IS5	Maintenance Building Heaters	Fuel Combustion Equipment (Other)	Maintenance Building	0.038	1.380	0.344	0.015	0.140	0.140	0.000	0.00000000	0.000
IS6	Vehicle Wash Boilers/Heaters	Fuel Combustion Equipment (Other)	Vehicle Wash Building	0.043	0.751	0.464	0.005	0.059	0.044	0.000	0.00000000	0.000
IS7	Maintenance Garage Heaters	Fuel Combustion Equipment (Other)	Maintenance Garage	0.033	0.565	0.241	0.004	0.046	0.034	0.000	0.00000000	0.000
IS8	Leachate Facility Natural Gas Heaters	Fuel Combustion Equipment (Other)	Leachate Facility	0.013	0.229	0.097	0.001	0.019	0.014	0.000	0.00000000	0.000
IS9	Employee Services Building Heaters	Fuel Combustion Equipment (Other)	Employee Services Building	0.008	0.287	0.072	0.003	0.029	0.029	0.000	0.00000000	0.000
IS10	Ten (10) 330-gallon containers of Neutralene	Storage Vessel	Facility-Wide									
IS11	Five (5) 330-gallon containers of Neutralene and misting system	Storage Vessel	Facility-Wide									

MONMOUTH COUNTY RECLAMATION CENTER (21351)
BOP180001

Date: 3/28/2024

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)
IS12	Six (6) 330-gallon containers of diluted Neutralene and fogger system	Storage Vessel	Facility-Wide									
IS13	Two (2) Doosan Diesel Compressor Engines, 0.48 MMBtu/hr.	Portable Engine	Facility Wide									
IS14	One (1) 500,000-gallon leachate tank	Storage Vessel	Facility-Wide									
IS15	Leachate Pump Station #1, #2, #3, #4	Other Equipment	Facility-Wide									
IS16	One (1) 2,500 Leachate Influent Wet Well	Other Equipment										
IS17	Two (2) 290,000-gallon Aerobic Leachate Processing Tanks	Storage Vessel										
IS18	Two (2) 290,000-gallon Anaerobic Leachate Processing Tanks	Storage Vessel										
IS19	Five (5) 21,000-gallon and One (1) 10,000-gallon Leachate Solids Holding Tanks	Storage Vessel										
IS20	One (1) 5,200-gallon Caustic Soda Tank	Storage Vessel										

MONMOUTH COUNTY RECLAMATION CENTER (21351)
BOP180001

Date: 3/28/2024

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)
IS21	Two (2) 2,500-gallon and One 1,400-gallon Micro C Tanks	Storage Vessel										
IS22	Five (5) 55-gallon Drums Sodium Hypochlorite 15%	Other Equipment										
IS23	Four (4) 55-gallon Drums Citric Acid	Other Equipment										
IS24	Four (4) 55-gallon Drums Phosphoric Acid	Other Equipment										
Total				0.240	3.747	1.808	0.192	0.357	0.325	0.000	0.00000000	0.000

MONMOUTH COUNTY RECLAMATION CENTER (21351) Date: 3/28/2024
BOP180001

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
E1	Phase 1	Phase I Landfill (Gas Collection - 1760cfm Enclosed Flare)	Landfill	097342 PCP960001	1/1/1976	No	7/2/1990	
E2	Phase 2	Phase II Landfill (Gas Collection - 600cfm & 3700 cfm Enclosed Flare)	Landfill	129364 PCP960002 & PCP030006	1/1/1985	No	5/6/2003	
E3	Phase 3	Phase III Landfill (Gas Collection - 3700cfm Flare)	Landfill	PCP010001 & 20597/PCP 010003	1/1/1998	No	1/21/2005	
E5	Boiler, B-1	2.5 MMBtu/hr Boiler	Boiler	125203 PCP960013	8/1/1995	No		
E7	KohlerEmGen	Diesel Generator, 1.4 MMBtu/hr	Emergency Generator	118921 PCP960011	10/26/1994	No		
E8	PhaseIII-EG	Diesel Generator, 2.83 MMBtu/hr	Emergency Generator	GEN990001 EG-C5	3/14/1997	No		
E10	LeachPump#1	Leachate Collection System Pump Station #1	Other Equipment	PCP960004 112274	10/1/1991	No	4/23/1993	
E11	LeachPump#2	Leachate Collection System Pump Station #2	Other Equipment	PCP960004 112274	10/1/1991	No	4/23/1993	
E12	LeachPump#3	Leachate Collection System Pump Station #3	Other Equipment	PCP960004 112274	10/1/1991	No	4/23/1993	
E13	LeachPump#4	Leachate Collection System Pump Station #4	Other Equipment	129659 PCP960014		No		
E14	LoadFacPump	Loading Facility Pump Station	Other Equipment	129660 PCP960015		No		

New Jersey Department of Environmental Protection
Equipment Inventory

Equip. NJID	Facility's Designation	Equipment Description	Equipment Type	Certificate Number	Install Date	Grand-Fathered	Last Mod. (Since 1968)	Equip. Set ID
E15	LeachStorTan	Leachate Storage Tank - 500,000 gal	Storage Vessel	LogNo.01964173 PCP970001		No		
E21	Eme Gen	Leachate Pt, Kohler, 9.44 MMBtu/hr, 800 Kw, 1207 HP	Emergency Generator	BOP180001	5/4/2015	No		
E22	Flare EG	Phase III Flare Emerg Gen 1.3 MMBTU/hr	Emergency Generator	BOP040002	12/1/2004	No		
E23	LFG Gen	1000Kw Landfill gas to energy gen 9.8 MMBTU/hr	Stationary Reciprocating Engine	BOP050003	10/1/2007	No		
E24	Fire Pump	Detroit Diesel 2.3 MMBTU/hr Clarke Fire Pump	Stationary Reciprocating Engine	BOP050003	7/1/1996	No		
E26	Conveyors	Andela Conveyors	Manufacturing and Materials Handling Equipment	BOP050003	6/1/2005	No		
E27	GlassCrusher	Andela Crusher & Pulverizer	Manufacturing and Materials Handling Equipment	BOP050003	6/1/2005	No		
E28	Compactor	Andela Compactor	Manufacturing and Materials Handling Equipment	BOP080002	6/1/2005	No		
E32	Dopp screen	Doppstadt screen	Manufacturing and Materials Handling Equipment	BOP080002	8/1/2008	No		
E33	Breaker	Andela Glass Breaker	Manufacturing and Materials Handling Equipment	BOP050003	6/1/2005	No		

New Jersey Department of Environmental Protection
Equipment Inventory

Equip. NJID	Facility's Designation	Equipment Description	Equipment Type	Certificate Number	Install Date	Grand-Fathered	Last Mod. (Since 1968)	Equip. Set ID
E34	Trommels	Andela Trommel Screens (2)	Manufacturing and Materials Handling Equipment	BOP050003	6/1/2005	No		
E35	Hopper	Andela Hopper	Manufacturing and Materials Handling Equipment	BOP050003	6/1/2005	No		
E36	AST Fueling	20,000 gallon compartmentalized fueling station, 5,000 gal gas and 15,000 gal diesel	Storage Vessel			No		
E39	MPRF	F123M - Type 13 waste tipping floor and materials recovery area	Manufacturing and Materials Handling Equipment	124732 PCP960012 PCP020001	11/1/1995	No	11/13/2002	
E40	MPRF	F456M - Type 10 waste tipping floor recovery area	Other Equipment	124732 PCP960012 PCP020001	11/1/1995	No	11/13/2002	
E41	MPRF	F78M - Type 10 waste tipping floor and baling area	Other Equipment	124732 PCP960012 PCP020001	11/1/1995	No	11/13/2002	
E42	MPRF	PMB - Processing and recovery equipment	Other Equipment	124732 PCP960012 PCP020001	11/1/1995	No	11/13/2002	

21351 MONMOUTH COUNTY RECLAMATION CENTER BOP180001 E1 (Landfill) Print Date: 3/28/2024

Pollutant	Concentration	Units
Amines		
CO2		
Chlorides		
H2S		
Mercaptans		
Mercury		
Methane		
Non-Methane Hydrocarbons		

21351 MONMOUTH COUNTY RECLAMATION CENTER BOP180001 E2 (Landfill) Print Date: 3/28/2024

Pollutant	Concentration	Units
Amines		
CO2		
Chlorides		
H2S		
Mercaptans		
Mercury		
Methane		
Non-Methane Hydrocarbons		

21351 MONMOUTH COUNTY RECLAMATION CENTER BOP180001 E3 (Landfill)
Print Date: 3/28/2024

Solid Waste Facility Permit Number:	1336000590-E3
Year Opened:	1998
Solid Waste Facility Permit Issuance Date:	4/12/96
Expected Year of Closure:	2018
Actual Year of Closure:	
Total Design Area (acres):	100.0
Total Design Capacity (million megagrams):	
Active Area (acres):	40.0
Capped Area (acres):	
Is the Landfill Lined?	● Yes ○ No
Was the site used for the disposal of Hazardous Waste?	○ Yes ● No
Was there ever co-disposal of Industrial Waste or reason to believe that the Waste Stream into the Landfill contained large Waste or volatile compounds from commercial sources?	○ Yes ● No
Maximum Estimated Landfill Gas Generation Rate during the life of the Landfill (ft^3/yr):	
Model used to estimate Landfill Gas Production:	LANDGEM
Is there a Landfill Gas Pre-Treatment System?	○ Yes ● No
Method of Landfill Gas Pre-Treatment:	
Design Capacity of Landfill Gas Collection System (acfm):	
Overall Collection Efficiency(%):	
Landfill Gas Mover/Blower size (hp):	
Number of Extraction Wells:	
Extraction Well Diameter (ft):	
Extraction Well Depth (ft):	
Extraction Well Overlap (%):	
Extraction Well Operating Vacuum (in. H20):	
Have you attached Actual Landfill Gas Analysis?	○ Yes ● No
Have you attached a layout (plan view) of the wells and header piping?	○ Yes ● No
Have you attached a waste	

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

○ Yes ● No

Comments:

21351 MONMOUTH COUNTY RECLAMATION CENTER BOP180001 E3 (Landfill) Print Date: 3/28/2024

Pollutant	Concentration	Units
Amines		
CO2	39	weight %
Chlorides		
H2S	0.133	weight %
Mercaptans		
Mercury		
Methane	55	weight %
Non-Methane Hydrocarbons		

21351 MONMOUTH COUNTY RECLAMATION CENTER BOP180001 E5 (Boiler)
Print Date: 3/28/2024

Make:	LO28A-W-8
Manufacturer:	Smith
Model:	801CRD
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	2.50
Boiler Type:	Field Erected
Utility Type:	Non-Utility
Output Type:	Steam Only
Steam Output (lb/hr):	
Fuel Firing Method:	
Description (if other):	
Draft Type:	
Heat Exchange Type:	

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

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

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

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

Comments:

21351 MONMOUTH COUNTY RECLAMATION CENTER BOP180001 E15 (Storage Vessel)
Print Date: 3/28/2024

What type of contents is this storage vessel equipped to contain by design?	Liquids Only
Storage Vessel Type:	Tank
Design Capacity:	500,000
Units:	gallons
Ground Location:	Above Ground
Is the Shell of the Equipment Exposed to Sunlight?	Yes
Shell Color:	Other
Description (if other):	Coated steel
Shell Condition:	
Paint Condition:	
Shell Construction:	Welded
Is the Shell Insulated?	No
Type of Insulation:	
Insulation Thickess (in):	
Thermal Conductivity of Insulation [(BTU)(in)(hr)(ft2)(deg F)]:	
Shape of Storage Vessel:	Cylindrical
Shell Height (From Ground to Roof Bottom) (ft):	24.00
Length (ft):	
Width (ft):	
Diameter (ft):	60.00
Other Dimension Description:	
Value:	
Units:	
Fill Method:	Bottom Pipe
Description (if other):	
Maximum Design Fill Rate:	550.00
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	

Does the storage vessel have a Conservation Vent?

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

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

Comments:

21351 MONMOUTH COUNTY RECLAMATION CENTER BOP180001 E23 (Stationary Reciprocating Engine)
Print Date: 3/28/2024

Make:	
Manufacturer:	Jenbacher
Model:	JGC 320
Maximum Rated Gross Heat Input (MMBtu/hr):	9.81
Class:	Lean Burn
Description:	
Duty:	Base Loaded
Description:	
Minimum Load Range (%):	
Maximum Load Range (%):	
Stroke:	4-stroke
Power Output (BHP):	1468
Electric Output(KW):	1060
Compression Ratio:	12.5
Ignition Type:	Spark
Description:	
Engine Speed (RPM):	1800
Engine Exhaust Temperature (°F):	877
Air to Fuel Ratio at Peak Load:	1.6
Ratio Basis:	
Lambda Factor (scfm/scfm):	
Brake Specific Fuel Consumption at Peak Load (Btu/BHP-hr):	6678
Output Type:	Electric
Heat to Power Ratio:	
Is the Engine Using a Turbocharger?	(●) Yes ( ) No
Is the Engine Using an Aftercooler?	(●) Yes ( ) No

Is the Engine Using (check all that apply):

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

Description:

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

Comments:

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

21351 MONMOUTH COUNTY RECLAMATION CENTER BOP180001 E24 (Stationary Reciprocating Engine)
Print Date: 3/28/2024

Make:	Clarke Fire Protection Products, Inc.
Manufacturer:	Detroit Diesel Corp.
Model:	DDFP-L6FA-8393
Maximum Rated Gross Heat Input (MMBtu/hr):	2.3
Class:	Lean Burn
Description:	
Duty:	Other
Description:	Emergency Fire Pump
Minimum Load Range (%):	
Maximum Load Range (%):	
Stroke:	2-stroke
Power Output (BHP):	305
Electric Output(KW):	
Compression Ratio:	17
Ignition Type:	Compression
Description:	
Engine Speed (RPM):	2100
Engine Exhaust Temperature (°F):	649
Air to Fuel Ratio at Peak Load:	
Ratio Basis:	
Lambda Factor (scfm/scfm):	
Brake Specific Fuel Consumption at Peak Load (Btu/BHP-hr):	
Output Type:	Pump/Compressor
Heat to Power Ratio:	
Is the Engine Using a Turbocharger?	(●) Yes ( ) No
Is the Engine Using an Aftercooler?	( ) Yes (●) No

Is the Engine Using (check all that apply):

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

Description:

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

Comments:

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

21351 MONMOUTH COUNTY RECLAMATION CENTER BOP180001 E26 (Manufacturing and Materials Handling Equipment)

Make:	
Manufacturer:	Andela Products, Ltd.
Model:	COSS System Conveyors
Type of Manufacturing and Materials Handling Equipment:	Sorted Recycling System
Capacity:	3.00E+01
Units:	other units
Description (if other):	tons/hour
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	Yes
Comments:	

21351 MONMOUTH COUNTY RECLAMATION CENTER BOP180001 E27 (Manufacturing and Materials Handling Equipment)

Make:	
Manufacturer:	Andela Products, Ltd.
Model:	COSS System Glass Crusher
Type of Manufacturing and Materials Handling Equipment:	Sorted Recycling System
Capacity:	3.00E+01
Units:	other units
Description (if other):	tons/hr
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	Yes
Comments:	

21351 MONMOUTH COUNTY RECLAMATION CENTER BOP180001 E28 (Manufacturing and Materials Handling Equipment)

Make:	
Manufacturer:	Andela Products, Ltd.
Model:	COSS System Compactor
Type of Manufacturing and Materials Handling Equipment:	Sorted Recycling System
Capacity:	1.50E+01
Units:	other units
Description (if other):	tons/hr
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	Yes
Comments:	

21351 MONMOUTH COUNTY RECLAMATION CENTER BOP180001 E32 (Manufacturing and Materials Handling Equipment)

Make:	
Manufacturer:	Doppstadt
Model:	SM 617
Type of Manufacturing and Materials Handling Equipment:	trommel screen
Capacity:	3.00E+02
Units:	other units
Description (if other):	tons/hr
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	Yes
Comments:	

21351 MONMOUTH COUNTY RECLAMATION CENTER BOP180001 E33 (Manufacturing and Materials Handling Equipment)

Make:	
Manufacturer:	Andela Products, Ltd.
Model:	COSS System Glass Crusher
Type of Manufacturing and Materials Handling Equipment:	Sorted Recycling System
Capacity:	3.00E+01
Units:	other units
Description (if other):	tons/hr
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:	

21351 MONMOUTH COUNTY RECLAMATION CENTER BOP180001 E34 (Manufacturing and Materials Handling Equipment)

Make:	
Manufacturer:	Andela Products, Ltd.
Model:	COSS System Glass Crusher
Type of Manufacturing and Materials Handling Equipment:	Sorted Recycling System
Capacity:	3.00E+01
Units:	other units
Description (if other):	tons/hr
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:	

21351 MONMOUTH COUNTY RECLAMATION CENTER BOP180001 E35 (Manufacturing and Materials Handling Equipment)

Make:	
Manufacturer:	Andela Products, Ltd.
Model:	COSS System Glass Crusher
Type of Manufacturing and Materials Handling Equipment:	Sorted Recycling System
Capacity:	3.00E+01
Units:	other units
Description (if other):	tons/hr
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:	

21351 MONMOUTH COUNTY RECLAMATION CENTER BOP180001 E36 (Storage Vessel)
Print Date: 3/28/2024

What type of contents is this storage vessel equipped to contain by design?	Liquids Only
Storage Vessel Type:	Tank
Design Capacity:	20,000
Units:	gallons
Ground Location:	Above Ground
Is the Shell of the Equipment Exposed to Sunlight?	No
Shell Color:	
Description (if other):	
Shell Condition:	
Paint Condition:	Good
Shell Construction:	Welded
Is the Shell Insulated?	
Type of Insulation:	
Insulation Thickess (in):	
Thermal Conductivity of Insulation [(BTU)(in)(hr)(ft2)(deg F)]:	
Shape of Storage Vessel:	Cylindrical
Shell Height (From Ground to Roof Bottom) (ft):	11.00
Length (ft):	34.00
Width (ft):	
Diameter (ft):	10.00
Other Dimension	
Description:	
Value:	
Units:	
Fill Method:	Submerged
Description (if other):	
Maximum Design Fill Rate:	
Units:	gal/min
Does the storage vessel have a roof or an open top?	Roof
Roof Type:	Horizontal fixed roof tank
Roof Height (From Roof Bottom to Roof Top) (ft):	
Roof Construction:	
Primary Seal Type:	
Secondary Seal Type:	
Total Number of Seals:	
Roof Support:	
Does the storage vessel have a Vapor Return Loop?	Yes
Does the storage vessel	

21351 MONMOUTH COUNTY RECLAMATION CENTER BOP180001 E36 (Storage Vessel)
Print Date: 3/28/2024

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?	Yes
Comments:	

21351 MONMOUTH COUNTY RECLAMATION CENTER BOP180001 E40 (Other Equipment)
Print Date: 3/28/2024

Make:	
Manufacturer:	
Model:	
Equipment Type:	Material Recovery and Processing Facility
Capacity:	3,500.00
Units:	
Description:	

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

- ○ Yes
- ● No

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

- ○ Yes
- ● No

Comments:

21351 MONMOUTH COUNTY RECLAMATION CENTER BOP180001 E41 (Other Equipment)
Print Date: 3/28/2024

Make:	
Manufacturer:	
Model:	
Equipment Type:	Material Recovery and Processing Facility
Capacity:	3,500.00
Units:	
Description:	

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

- ○ Yes
- ● No

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

- ○ Yes
- ● No

Comments:

21351 MONMOUTH COUNTY RECLAMATION CENTER BOP180001 E42 (Other Equipment)
Print Date: 3/28/2024

Make:	
Manufacturer:	
Model:	
Equipment Type:	Material Recovery and Processing Facility
Capacity:	3,500.00
Units:	
Description:	

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

- ○ Yes
- ● No

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

- ○ Yes
- ● No

Comments:

MONMOUTH COUNTY RECLAMATION CENTER (21351) Date: 3/28/2024
BOP180001

New Jersey Department of Environmental Protection
Control Device Inventory

CD NJID	Facility's Designation	Description	CD Type	Install Date	Grand-Fathered	Last Mod. (Since 1968)	CD Set ID
CD1	Flare "A"	63.4 MMBTU/hr Enclosed Flare	Flare	7/2/1990	No		
CD3	Flare "C"	66.8 MMBTU/hr Enclosed Flare	Flare	6/1/2003	No		
CD5	M-F123M	Particulate Control	Particulate Filter (Other)	11/1/1995	No		
CD6	M-F456M	Particulate Control w/ carbon absorber	Particulate Filter (Other)	11/1/1995	No		
CD7	M-F78M	Particulate Control w/ carbon absorber	Particulate Filter (Other)	11/1/1995	No		
CD8	M-FPBM	Particulate Control	Particulate Filter (Baghouse)	11/1/1995	No		
CD9	StageIIRecov	Emco Wheaton Balance System, A-4000	Other	5/20/1992	No	4/6/1993	
CD10	Leach Vent#1	Activated Carbon Canister	Adsorber		No	4/27/1993	
CD11	Leach Vent#2	Activated Carbon Canister	Adsorber		No	4/27/1993	
CD12	Leach Vent#3	Activated Carbon Canister	Adsorber		No	4/27/1993	
CD13	Leach Vent#4	Activated Carbon Canister	Adsorber		No	1/23/1997	
CD14	LoadPumpSta	Activated Carbon Canister	Adsorber		No	1/23/1997	
CD15	LeachStoTank	Activated Carbon Canister	Adsorber		No	2/12/1997	
CD16	DC-West	Dust Collector	Particulate Filter (Cartridge)		No	5/3/1993	
CD17	DC-East	Dust Collector	Particulate Filter (Cartridge)		No	5/3/1993	
CD36	Stage 1	Stage 1 Vapor Recovery	Stage I - Single Point		No		
CD101	Flare "D"	111 MMBTU/hr Enclosed Flare	Flare	6/1/2003	No		

21351 MONMOUTH COUNTY RECLAMATION CENTER BOP180001 CD3 (Flare)
Print Date: 3/28/2024

Make:	3700 scfm
Manufacturer:	LFG Specialties
Model:	
Type:	Enclosed
Minimum Residence Time (sec):	0.50
Maximum Rated Gross Heat Input (MMBtu/hr):	
Auxilliary Fuel:	
Description:	
Method of Pilot Flame Monitoring:	thermocouple
Monitoring Location:	Local
Automatic Gas Shutoff After Loss of Flame?	● Yes ○ No
Automatic Reignition After Loss of Flame?	● Yes ○ No
Minimum Gas Flow Rate (acfm):	
Minimum Operating Temperature (ºF):	1,500.0
Minimum Heat Content at Burner Tip (Btu/ft³):	
Flare Operation Type:	Continuous
Does Flare have smokeless design?	● Yes ○ No
Is Flare equipped with flame retainer?	○ Yes ● No
Is Flare equipped with flame arrestor?	○ Yes ● No
Is Flare equipped with LEL monitor?	○ Yes ● No
Flare Stack Diameter (inches):	108.00
Lower Heat Content of source gas (BTU/scf):	455
Lower Heat Content of Supplemental Fuel (BTU/scf):	
Destruction and Removal Efficency (%):	99.00
How was Efficency determined?	Manufacturers Guarantee
Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources):	1
Alternative Method to Demonstrate Control Apparatus is Operating Properly:	
Have you attached data from recent performance testing?	● Yes ○ No
Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus?	● Yes ○ No

Yes No

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

○ Yes ● No

Comments:

21351 MONMOUTH COUNTY RECLAMATION CENTER BOP180001 CD5 (Particulate Filter (Other))
Print Date: 3/28/2024

Make:	N-DUR-AIR
Manufacturer:	Busch International
Model:	ND-45-400RT
Filter Description:	Tri-Dim Filter Corp - Tri-Dek Xl 4 Ply Panel
Total Filter Area (ft^2):	360.00
Maximum Design Temperature Capability (°F):	120.0
Maximum Design Air Flow Rate (acfm):	180,000.0
Maximum Air Flow Rate to Filter Area Ratio:	492.000
Minimum Operating Pressure Drop (in. H2O):	0.50
Maximum Operating Pressure Drop (in. H2O):	4.50
Maximum Inlet Temperature (°F):	100.0
Maximum Operating Exhuast Gas Flow Rate (acfm):	177,120.0
Method for Determining When Filter Replacement is Required:	Differential Pressure
Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources):	1
Alternative Method to Demonstrate Control Apparatus is Operating Properly:	None
Have you attached a Particle Size Distribution Analysis?	○ Yes ● No
Have you attached data from recent performance testing?	○ Yes ● No
Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus?	○ Yes ● No
Have you attached a diagram showing the location and/or configuration of this control apparatus?	○ Yes ● No
Comments:	

21351 MONMOUTH COUNTY RECLAMATION CENTER BOP180001 CD5 (Particulate Filter (Other))
Print Date: 3/28/2024

21351 MONMOUTH COUNTY RECLAMATION CENTER BOP180001 CD6 (Particulate Filter (Other))
Print Date: 3/28/2024

Make:	N-DUR-AIR
Manufacturer:	Busch International
Model:	ND-45-400RT
Filter Description:	Tri-Dim Filter Corp - Tri-Dek XL 4 Ply Panel
Total Filter Area (ft^2):	360.00
Maximum Design Temperature Capability (°F):	120.0
Maximum Design Air Flow Rate (acfm):	120,000.0
Maximum Air Flow Rate to Filter Area Ratio:	492.000
Minimum Operating Pressure Drop (in. H2O):	0.50
Maximum Operating Pressure Drop (in. H2O):	4.50
Maximum Inlet Temperature (°F):	100.0
Maximum Operating Exhuast Gas Flow Rate (acfm):	118,080.0
Method for Determining When Filter Replacement is Required:	Differential Pressure
Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources):	1
Alternative Method to Demonstrate Control Apparatus is Operating Properly:	None
Have you attached a Particle Size Distribution Analysis?	○ Yes ● No
Have you attached data from recent performance testing?	○ Yes ● No
Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus?	○ Yes ● No
Have you attached a diagram showing the location and/or configuration of this control apparatus?	○ Yes ● No
Comments:	Carbon Absorber Unit

21351 MONMOUTH COUNTY RECLAMATION CENTER BOP180001 CD6 (Particulate Filter (Other))
Print Date: 3/28/2024

21351 MONMOUTH COUNTY RECLAMATION CENTER BOP180001 CD7 (Particulate Filter (Other))
Print Date: 3/28/2024

Make:	N-DUR-AIR
Manufacturer:	Busch International
Model:	ND-45-400RT
Filter Description:	Tri-Dim Filter Corp - Tri-Dek XL 4 Ply Panel
Total Filter Area (ft²):	360.00
Maximum Design Temperature Capability (°F):	120.0
Maximum Design Air Flow Rate (acfm):	180,000.0
Maximum Air Flow Rate to Filter Area Ratio:	492.000
Minimum Operating Pressure Drop (in. H2O):	0.50
Maximum Operating Pressure Drop (in. H2O):	4.50
Maximum Inlet Temperature (°F):	100.0
Maximum Operating Exhuast Gas Flow Rate (acfm):	177,120.0
Method for Determining When Filter Replacement is Required:	Differential Pressure
Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources):	1
Alternative Method to Demonstrate Control Apparatus is Operating Properly:	None
Have you attached a Particle Size Distribution Analysis?	○ Yes ● No
Have you attached data from recent performance testing?	○ Yes ● No
Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus?	○ Yes ● No
Have you attached a diagram showing the location and/or configuration of this control apparatus?	○ Yes ● No
Comments:	Carbon Absorber Unit

21351 MONMOUTH COUNTY RECLAMATION CENTER BOP180001 CD7 (Particulate Filter (Other))
Print Date: 3/28/2024

21351 MONMOUTH COUNTY RECLAMATION CENTER BOP180001 CD8 (Particulate Filter (Baghouse))
Print Date: 3/28/2024

Make:	MCF Dust Filter
Manufacturer:	Mac Equipment, Inc.
Model:	120WMCF338-247
Number of Bags:	247
Size of Bags (ft²):	
Total Bag Area (ft²):	2,990.0
Bag Fabric:	Dacron Polyester
Fabric Weight (oz/ft²):	16.00
Fabric Weave:	Needle Felt
Fabric Finish:	Glazed
Maximum Design Temperature Capability (°F):	275.0
Maximum Design Air Flow Rate (acfm):	21,600.0
Draft Type:	
Maximum Air Flow Rate to Cloth Area Ratio:	6.02
Minimum Operating Pressure Drop (in. H2O):	2.00
Maximum Operating Pressure Drop (in. H2O):	6.00
Method of Monitoring Pressure Drop:	differential pressure drop
Maximum Inlet Temperature (°F):	
Minimum Inlet Temperature (°F):	
Dew Point of Gas Stream Maximum Inlet Temperature (°F):	
Maximum Operating Exhuast Gas Flow Rate (acfm):	18,000.0
Maximum Inlet Gas Stream Moisture Content (%):	10.00
Method for Determining When Bag Replacement is Required:	bag wear
Method for Determining When Cleaning is Required:	differential pressure drop
Method of Bag Cleaning:	Pulse Jet
Description:	
Is Bag Cleaning Conducted On-Line?	(●) Yes ( ) No
Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources):	1
Alternative Method to Demonstrate Control Apparatus is Operating Properly:	None
Have you attached a Particle Size Distribution Analysis?	( ) Yes (●) No

Have you attached data from recent performance testing?

○ Yes ● No

Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus?

○ Yes ● No

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

○ Yes ● No

Comments:

21351 MONMOUTH COUNTY RECLAMATION CENTER BOP180001 CD101 (Flare)
Print Date: 3/28/2024

Make:	Shaw
Manufacturer:	LFG Specialties
Model:	EF1150112
Type:	Enclosed
Minimum Residence Time (sec):	0.50
Maximum Rated Gross Heat Input (MMBtu/hr):	111.00
Auxilliary Fuel:	
Description:	
Method of Pilot Flame Monitoring:	thermocouple
Monitoring Location:	Local
Automatic Gas Shutoff After Loss of Flame?	(●) Yes ( ) No
Automatic Reignition After Loss of Flame?	(●) Yes ( ) No
Minimum Gas Flow Rate (acfm):	219,000.0
Minimum Operating Temperature (ºF):	1,500.0
Minimum Heat Content at Burner Tip (Btu/ft³):	
Flare Operation Type:	Continuous
Does Flare have smokeless design?	(●) Yes ( ) No
Is Flare equipped with flame retainer?	( ) Yes (●) No
Is Flare equipped with flame arrestor?	( ) Yes (●) No
Is Flare equipped with LEL monitor?	( ) Yes (●) No
Flare Stack Diameter (inches):	118.00
Lower Heat Content of source gas (BTU/scf):	455
Lower Heat Content of Supplemental Fuel (BTU/scf):	
Destruction and Removal Efficency (%):	99.00
How was Efficency determined?	Manufacturers Guarantee
Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources):	1
Alternative Method to Demonstrate Control Apparatus is Operating Properly:	
Have you attached data from recent performance testing?	(●) Yes ( ) No
Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus?	(●) Yes ( ) No

	● Yes ○ No
Have you attached a diagram showing the location and/or configuration of this control apparatus?	○ Yes ● No
Comments:	NOTE: Flow of landfill gas to the flare = 3,700 acfm.

MONMOUTH COUNTY RECLAMATION CENTER (21351)
BOP180001

Date: 3/28/2024

New Jersey Department of Environmental Protection
Emission Points Inventory

PT NJID	Facility's Designation	Description	Config.	Equiv. Diam. (in.)	Height (ft.)	Dist. to Prop. Line (ft)	Exhaust Temp. (deg. F)			Exhaust Vol. (acfm)			Discharge Direction	PT Set ID
							Avg.	Min.	Max.	Avg.	Min.	Max.		
PT1	Flare "A"	Phase I 1760 CFM Flare	Rectangle	106	24	450		1,500.0	1,725.0		44,200.0	44,200.0	Up	
PT3	Flare "C"	Phase II 3700 CFM Flare	Round	108	40	1,600		1,500.0	1,800.0		128,000.0	128,000.0	Up	
PT4	M-F123M	MPRF - F123m (air filters 1, 2 & 3 North)	Round	12	50	600		70.0	70.0		177,120.0	177,120.0	Up	
PT5	M-F456M	MPRF - F456m (air filters 4, 5, & 6 East & carbon absorption unit)	Round	12	50	600		70.0	70.0		177,120.0	177,120.0	Up	
PT6	M-F78M	MPRF - F78m (air filters 7 & 8 - South & carbon absorption unit)	Round	12	50	600		70.0	70.0		118,080.0	118,080.0	Up	
PT7	M-PBM	MPRF - PBM (cyclone/baghouse - South)	Round	12	50	600		70.0	70.0		18,000.0	18,000.0	Up	
PT8	Koehler-400	Emergency Diesel Generator, E1	Round	6	12	1,200		956.0	956.0		3,545.0	3,545.0	Up	
PT9	PhaseIII-EmG	Emergency Diesel Generator, E2 - Phase III	Round	7	13	300		1,024.0	1,024.0		2,696.0	2,696.0	Up	
PT10	LF6KGasTank	6000 Gallon Gasoline Storage Tank	Round	3	4	1,300		70.0	70.0		21.0	21.0	Down	
PT11	Leach Vent1	Leachate Collection System - Phase I & II	Round	2	4	583						46.2	Down	
PT12	Leach Vent2	Leachate Collection System - Phase I & II	Round	2	4	2,500						46.2	Down	
PT13	Leach Vent3	Leachate Collection System - Phase I & II	Round	2	4	333						46.2	Down	
PT14	Leach Vent4	Loading Facility - Pump Station #4	Round	2	4	200						4.1	Down	
PT15	Leach Vent5	Loading Facility - Pump Station #5	Round	2	4	1,650						0.0	Down	

MONMOUTH COUNTY RECLAMATION CENTER (21351)
BOP180001

Date: 3/28/2024

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.		
PT16	LeachStorage	Leachate Storage Tank	Round	6	4	1,700						9.3	Down	
PT22	BoilerB-1	Mechanical Room - MPRF	Round	10	55	600		460.0	500.0					
PT24	Emg Gen	800 kw	Round	14	11	1,400		883.0			8,192.0	8,192.0	Up	
PT25	LFG Gen	1000 kw	Round	10	25	100	954.0	877.0	1,020.0	7,831.0	7,527.0	8,136.0	Up	
PT26	Fire Pump	Detroit Diesel 2.3 MMBTU/hr Clarke Fire Pump	Round	10	55	600	649.0	649.0	649.0	2,320.0	2,320.0	2,320.0	Up	
PT27	AndelaSystem	Andela Sorting and Recycling System	Square	336	24	1,200	70.0	10.0	90.0	0.0	0.0	0.0	Horizontal	
PT30	Doppstadt	Doppstadt Screen	Rectangle	133	9	1,500	70.0	0.0	100.0	0.0	0.0	0.0	Horizontal	
PT36	Gas Fueling	Gasoline Fueling	Round			1,300	70.0	0.0	100.0	70.0	0.0	100.0	Down	
PT37	Diesel Fuel	Diesel Fueling	Round			1,300	70.0	0.0	100.0	70.0	0.0	100.0	Down	
PT101	Flare "D"	Phase III 3700 CFM Flare	Round	118	50	1,550	1,550.0	1,500.0	2,000.0	219,000.0	219,000.0	219,000.0	Up	
PT109	Flare EG	Phase III Flare Emergency Generator	Round	4	4	450			1,114.0			920.0	Horizontal	

MONMOUTH COUNTY RECLAMATION CENTER (21351)
BOP180001

Date: 3/28/2024

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

U 1 Phase I Phase I - Landfill Gas Collection, subject to NSPS 40 CFR 60 Subpart A & 40 CFR 62 Subpart OOO and MACT 40 CFR 63 Subparts A & AAAA

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	Flare "A"	1760 CFM LFG Enclosed Flare	Normal - Steady State	E1	CD1 (P)	PT1	5-01-004-10		8,760.0					

U 2 Phase II Phase II - Landfill Gas Collection, subject to NSPS 40 CFR 60 Subpart A & 40 CFR 62 Subpart OOO and MACT 40 CFR 63 Subpars A & t AAAA

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS2	Flare "C"	3700 CFM LFG Enclosed Flare	Normal - Steady State	E2	CD3 (P)	PT3	5-01-004-10							

MONMOUTH COUNTY RECLAMATION CENTER (21351)
BOP180001

Date: 3/28/2024

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

U 3 Phase III&IV Phase III and IV- Landfill Gas Collection, subject to NSPS 40 CFR 60 Subpart A & 40 CFR 62 Subpart OOO and MACT 40 CFR 63 Subparts A & AAAA

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS2	Flare "D"	3700 CFM LFG Flare	Normal - Steady State	E3	CD101 (P)	PT101	5-01-004-10	0.0	8,760.0		490.0	5,140.0	1,500.0	2,000.0

U 4 MPRF MSW Materials Processing and Recovery Facility

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	F123M	F123M - Type 13 waste tipping floor and materials recovery area, controlled by Dust Collector CD5	Normal - Steady State	E39	CD5 (P)	PT4	5-01-004-06 5-02-800-01	0.0	5,500.0		150,000.0	180,000.0	50.0	70.0
OS2	F456M	F456M - Type 10 waste tipping floor, controlled by Dust Collector CD6	Normal - Steady State	E40	CD6 (P)	PT5	5-02-800-01 5-01-004-06	0.0	5,500.0		150,000.0	180,000.0	50.0	70.0
OS3	F78M	F78M - Type 10 waste tipping floor and baling area, controlled by Dust Collector CD7	Normal - Steady State	E41	CD7 (P)	PT6	5-01-004-06 5-02-800-01	0.0	5,500.0		100,000.0	120,000.0	50.0	70.0

MONMOUTH COUNTY RECLAMATION CENTER (21351)
BOP180001

Date: 3/28/2024

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

U 4 MPRF MSW Materials Processing and Recovery Facility

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS4	PBM	PMB - Processing and recovery equipment (conveyor transfer chutes, magnet, and balers), controlled by Dust Collector CD8	Normal - Steady State	E42	CD8 (P)	PT7	5-01-004-06 5-02-800-01	0.0	5,500.0		18,000.0	21,600.0	50.0	70.0

U 5 B-1Boiler 2.5 MMBtu/hr Boiler - Mechanical Room, MPRF, Subject to MACT 40 CFR 63 Subparts A and JJJJJJ

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	B-1Boiler	2.5 MMBtu/hr non-utility boiler combusting #2 fuel oil	Normal - Steady State	E5		PT22	1-02-005-03							

MONMOUTH COUNTY RECLAMATION CENTER (21351)
BOP180001

Date: 3/28/2024

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

U 7 Kohler400EmG 1.4 MMBTU/hr Diesel-fired Emergency Generator - Shredder Building, Subject to MACT 40 CFR 63 Subparts A & ZZZZ

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	KohlerEmGen	Emergency Operation, Kohler 400ROZ71	Normal - Steady State	E7		PT8	2-03-001-01 1-05-002-05		500.0					

U 8 PhaseIII EmG 2.83 MMBTU/hr Diesel-fired Emergency Generator - Phase III Landfill, subject to MACT 40 CFR 63 Subpart A and ZZZZ

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	PhaseIII EmG	Emergency Operation (Phase III Landfill), EG-C5	Normal - Steady State	E8		PT9	2-03-001-01 1-05-002-05		200.0					

MONMOUTH COUNTY RECLAMATION CENTER (21351)
BOP180001

Date: 3/28/2024

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

U 9 Leach PT Emg Leachate Diesel-Fired Emergency Generator, 800 Kw, 9.44 MMBtu/hr

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	Leach EmeGen	Kohler Leachate Emergency Generator, 9.44 MMBtu/hr, 800 Kw, 1207 HP	Normal - Steady State	E21		PT24	2-03-001-01	26.0	26.0		8,192.0	8,192.0		883.0

U 10 LeachCollSys Leachate Collection System Vents #1, #2, & #3

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	LeachVent#1	Landfill Leachate Collection Pump Station #1, controlled by carbon adsorber CD10	Normal - Steady State	E10	CD10 (P)	PT11	5-01-820-01		212.0					
OS2	LeachVent#2	Landfill Leachate Collection Pump Station #2, controlled by carbon adsorber CD11	Normal - Steady State	E11	CD11 (P)	PT12	5-01-820-01		212.0					
OS3	LeachVent#3	Landfill Leachate Collection Pump Station #3, controlled by carbon adsorber CD12	Normal - Steady State	E12	CD12 (P)	PT13	5-01-820-01		212.0					

MONMOUTH COUNTY RECLAMATION CENTER (21351)
BOP180001

Date: 3/28/2024

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

U 12 PumpSta#4 Pump Station No. 4 Vent, controlled by carbon adsorber CD13

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	PumpSta#4	Pump Station No. 4 Vent	Normal - Steady State	E13	CD13 (P)	PT14	5-01-820-01							

U 13 LoadPumpSta Loading Facility Pump Station, controlled by carbon adsorber CD14

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	LoadPumpSta	Loading Facility Pump Station - for emergency use	Normal - Steady State	E14	CD14 (P)	PT15	5-01-820-01							

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Emission Unit/Batch Process Inventory

U 14 LeachStoTank Leachate Storage Tank Vent, controlled by carbon adsorber CD15

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	LeachStoTank	Leachate Storage Tank - 500,000 gal	Normal - Steady State	E15	CD15 (P)	PT16	5-01-820-01							

U 19 Flare EG 1.3 MMBTU/hr Diesel-fired Emergency Generator (Phase III Flare), Subject to NSPS Subparts A and IIII and MACT Subparts A & ZZZZ

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	Flare EG	Emergency Generator operation	Normal - Steady State	E22		PT109	2-03-001-01 2-03-003-01	0.0	500.0			920.0		1,114.0

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U 23 1000 Kw Gen 1000 Kw Landfill gas-fueled IC Engine-driven Electric Generator w/Sulfur treatment system, Subject to NSPS 40 CFR 60 Subparts A & JJJJ

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	LFG Gen	1000kw LFG-to-Energy Generator (9.81 MMBTU/hr)	Normal - Steady State	E23		PT25	2-01-008-02	0.0	8,500.0		7,527.0	8,136.0	900.0	1,099.0

U 24 Fire Pump 305 BHP Detroit Diesel Clarke Fire Pump, Subject to MACT 40 CFR 63 Subparts A and ZZZZ

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	Fire Pump	Detroit Diesel 2.3 MMBTU/hr Clarke Fire Pump	Normal - Steady State	E24		PT26	2-02-001-02	0.0	10.0		2,320.0	2,320.0	649.0	649.0

U 25 Andela sys Sorting and recycling

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	Breaker	Andela Glass Breaker		E33		PT27								

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Emission Unit/Batch Process Inventory

U 25 Andela sys Sorting and recycling

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS2	Trommels(2)	Andela Trommel Screens (2)		E34		PT27								
OS3	Hopper	Andela hopper		E35		PT27								

U 27 Doppstadt Doppstadt trommel screen (Diesel engine driven <1 MMBTU/hr)

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	Doppstadt	Trommel Screen	Normal - Steady State	E32		PT30	3-02-999-98	0.0	2,500.0		0.0	0.0	0.0	100.0

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

U 29 AST Fueling AST Dispensing Facility 20,000 Gallon Tank With Two Compartments (5,000 Gallon Gasoline And 15,000 Gallon Diesel)

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	Gas Fuel	5000 Gallon Gasoline Fueling at AST Fuel Dispensing Facility	Normal - Steady State	E36	CD36 (P)	PT36	4-03-010-99	0.0	8,760.0		0.0	10.0	0.0	100.0
OS2	Diesel Fuel	15,000 Gallon Diesel Fueling at AST Fuel Dispensing Facility	Normal - Steady State	E36	CD36 (P)	PT36	4-03-010-99	0.0	8,760.0		0.0	10.0		100.0

Date: 3/28/2024

New Jersey Department of Environmental Protection
Subject Item Group Inventory

Group NJID: GR1 U1, 2 & 3

Members:

Type	ID	OS	Step
U	U 1	OS0 Summary	
U	U 2	OS0 Summary	
U	U 3	OS0 Summary	

Formal Reason(s) for Group/Cap:

☑ Other

Other (explain): NSPS 40 CFR 60 Subpart A - General Provisions to Subpart OOO

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

Operating Circumstances:

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New Jersey Department of Environmental Protection
Subject Item Group Inventory

Group NJID: GR2 U1, 2 & 3

Members:

Type	ID	OS	Step
U	U 1	OS0 Summary	
U	U 2	OS0 Summary	
U	U 23	OS0 Summary	
U	U 3	OS0 Summary	

Formal Reason(s) for Group/Cap:

☑ Other

Other (explain): NSPS 40 CFR 62 Subpart OOO Provisions applicable to U1, U2 and U3

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

Operating Circumstances:

New Jersey Department of Environmental Protection
Subject Item Group Inventory

Group NJID: GR3 U1, 2 & 3

Members:

Type	ID	OS	Step
U	U 1	OS0 Summary	
U	U 2	OS0 Summary	
U	U 3	OS0 Summary	

Formal Reason(s) for Group/Cap:

☑ Other

Other (explain): NESHAP 40 CFR 63 Subpart A General Provisions applicable to U1, U2 and U3

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

Operating Circumstances:

New Jersey Department of Environmental Protection
Subject Item Group Inventory

Group NJID: GR4 U1, 2 & 3

Members:

Type	ID	OS	Step
U	U 1	OS0 Summary	
U	U 2	OS0 Summary	
U	U 3	OS0 Summary	

Formal Reason(s) for Group/Cap:

☑ Other

Other (explain): NESHAP 40 CFR 63 Subpart AAAA (MACT std. effective January 16, 2004)

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

Operating Circumstances: