



State of New Jersey

PHILIP D. MURPHY
Governor

TAHESHA L. WAY
Lt. Governor

DEPARTMENT OF ENVIRONMENTAL PROTECTION

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

SHAWN M. LATOURETTE
Commissioner

Air Pollution Control Operating Permit Renewal

Permit Activity Number: BOP210001

Program Interest Number: 75510

Mailing Address	Plant Location
Gerard Velazquez, III President/CEO CUMBERLAND CNTY IMPROVEMENT AUTH 745 LEBANON RD Deerfield Twp, NJ 08332	CUMBERLAND COUNTY SOLID WASTE FACILITY 169 Jesse Brg Rd Deerfield Twp Cumberland County

Initial Operating Permit Approval Date: January 30, 2002
Operating Permit Approval Date: DRAFT
Operating Permit Expiration Date: T B D (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](https://dep.nj.gov/wp-content/uploads/boss/applications-and-forms/administrative-hearing-request-checklist-and-tracking-form.pdf) available at <https://dep.nj.gov/wp-content/uploads/boss/applications-and-forms/administrative-hearing-request-checklist-and-tracking-form.pdf>.

If you have any questions regarding this permit approval, please call Boran Wang at (609) 940-7225.

Approved by:

Shafi Ahmed

Enclosure

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

Facility Name: CUMBERLAND COUNTY SOLID WASTE FACILITY
Program Interest Number: 75510
Permit Activity Number: BOP210001

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Section A

Facility Name: CUMBERLAND COUNTY SOLID WASTE FACILITY

Program Interest Number: 75510

Permit Activity Number: BOP210001

POLLUTANT EMISSIONS SUMMARY

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

Facility's Potential Emissions from all Significant Source Operations (tons per year)										
Source Categories	VOC (total)	NO _x	CO	SO ₂	TSP (total)	PM ₁₀ (total)	PM _{2.5} (total)	Pb	HAPs* (total)	CO ₂ e ²
Emission Units Summary	23.45	0.8	0.34	NA	0.038	0.038	0.018	NA	0.45	
Batch Process Summary	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Group Summary	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Total Emissions	23.45	0.8	0.34	NA	0.038	0.038	0.018	NA	0.45	67,138

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

Emissions from all Insignificant Source Operations and Non-Source Fugitive Emissions (tons per year)									
Source Categories	VOC (total)	NO _x	CO	SO ₂	TSP (total)	PM ₁₀ (total)	PM _{2.5} (total)	Pb	HAPs (total)
Insignificant Source Operations	0.284	0.457	0.171	0.018	0.037	0.037	NA	NA	0.051
Non-Source Fugitive Emissions ³	NA	NA	NA	NA	249.0	100.0	NA	NA	NA

VOC: Volatile Organic Compounds

NO_x: Nitrogen Oxides

CO: Carbon Monoxide

SO₂: Sulfur Dioxide

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

TSP: Total Suspended Particulates

Other: Any other air contaminant

regulated under the Federal CAA

PM₁₀: Particulates under 10 microns

PM_{2.5}: Particulates under 2.5 microns

Pb: Lead

HAPs: Hazardous Air Pollutants

CO₂e: Carbon Dioxide equivalent

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

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

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

² Total CO₂e emissions for the facility that includes all Significant Source Operations (emission units, batch process, group) and Insignificant Source Operations.

³ Non-Source Fugitive Emissions are defined at N.J.A.C. 7:27-22.1 and are included if the facility falls into one or more categories listed at N.J.A.C. 7:27-22.2(a)2.

Section A

Facility Name: CUMBERLAND COUNTY SOLID WASTE FACILITY

Program Interest Number: 75510

Permit Activity Number: BOP210001

POLLUTANT EMISSIONS SUMMARY

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

HAP	TPY
1,1,2,2-Tetrachloroethane	0.0043
1,1 - Dichloroethane	0.0268
1,2 -Dichloroethane	0.0043
Acrylonitrile	0.0007
Benzene	0.0278
1,4 Dichlorobenzene	0.0865
Ethylbenzene	0.2638
Ethylene dibromide	0.0032
Trichloroethylene	0.0328

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

Other Air Contaminant	TPY
Methane	2,910
Hydrogen sulfide	5.6

⁴ Do not sum the values below for the purpose of establishing a total HAP potential to emit. See previous page for the allowable total HAP emissions.

Section B

Facility Name: CUMBERLAND COUNTY SOLID WASTE FACILITY

Program Interest Number: 75510

Permit Activity Number: BOP210001

GENERAL PROVISIONS AND AUTHORITIES

1. No permittee shall allow any air contaminant, including an air contaminant detectable by the sense of smell, to be present in the outdoor atmosphere in a quantity and duration which is, or tends to be, injurious to human health or welfare, animal or plant life or property, or which would unreasonably interfere with the enjoyment of life or property. This shall not include an air contaminant that occurs only in areas over which the permittee has exclusive use or occupancy. Requirements relative only to nuisance situations, including odors, are not considered federally enforceable. [N.J.A.C. 7:27-22.16(g)8]
2. Any deviation from operating permit requirements which results in a release of air contaminants shall be reported to the Department as follows:
 - a. If the air contaminants are released in a quantity or concentration which poses a potential threat to public health, welfare or the environment or which might reasonably result in citizen complaints, the permittee shall report the release to the Department:
 - i. Immediately on the Department hotline at 1-(877) 927-6337, pursuant to N.J.S.A. 26:2C-19(e); and
 - ii. As part of the compliance certification required in N.J.A.C. 7:27-22.19(f). However, if the deviation is identified through source emissions testing, it shall be reported through the source emissions testing and monitoring procedures at N.J.A.C. 7:27-22.18(e)3; or
 - b. If the air contaminants are released in a quantity or concentration which poses no potential threat to public health, welfare or the environment and which will not likely result in citizen complaints, the permittee shall report the release to the Department as part of the compliance certification required in N.J.A.C. 7:27-22.19(f), except for deviations identified by source emissions testing reports, which shall be reported through the procedures at N.J.A.C. 7:27-22.18(e)3; or
 - c. If the air contaminants are released in a quantity or concentration which poses no potential threat to public health, welfare or the environment and which will not likely result in citizen complaints, and the permittee intends to assert the affirmative defense afforded by N.J.A.C. 7:27-22.16(l), the violation shall be reported by 5:00 PM of the second full calendar day following the occurrence, or of becoming aware of the occurrence, consistent with N.J.A.C. 7:27-22.16(l). [N.J.A.C. 7:27-22.19(g)1]
3. The permittee shall comply with all conditions of the operating permit including the approved compliance plan. Any non-compliance with a permit condition constitutes a violation of the New Jersey Air Pollution Control Act N.J.S.A. 26:2C-1 et seq., or the CAA, 42 U.S.C. §7401 et seq., or both, and is grounds for enforcement action; for termination, revocation and reissuance, or for modification of the operating permit; or for denial of an application for a renewal of the operating permit. [N.J.A.C. 7:27-22.16(g)1]
4. It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of its operating permit. [N.J.A.C. 7:27-22.16(g)2]
5. This operating permit may be modified, terminated, or revoked for cause by the EPA pursuant to 40 CFR 70.7(g) and revoked or reopened and modified for cause by the Department pursuant to N.J.A.C. 7:27-22.25. [N.J.A.C. 7:27-22.16(g)3]

6. The permittee shall furnish to the Department, within a reasonable time, any information that the Department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this operating permit; or to determine compliance with the operating permit. [N.J.A.C. 7:27-22.16(g)4]
7. The filing of an application for a modification of an operating permit, or of a notice of planned changes or anticipated non-compliance, does not stay any operating permit condition. [N.J.A.C. 7:27-22.16(g)5]
8. The operating permit does not convey any property rights of any sort, or any exclusive privilege. [N.J.A.C. 7:27-22.16(g)6]
9. Upon request, the permittee shall furnish to the Department copies of records required by the operating permit to be kept. [N.J.A.C. 7:27-22.16(g)7]
10.
 - a. For emergencies (as defined at 40 CFR 70.6(g)(1)) that result in non-compliance with any promulgated federal technology-based standard such as NSPS, NESHAPS, or MACT, a federal affirmative defense is available, pursuant to 40 CFR 70. To assert a federal affirmative defense, the permittee must use the procedures set forth in 40 CFR 70. The affirmative defense provisions described below may not be applied to any situation that caused the Facility to exceed any federally delegated regulation, including but not limited to NSPS, NESHAP, or MACT.
 - b. For situations other than those covered above, an affirmative defense is available for a violation of a provision or condition of the operating permit only if:
 - i. The violation occurred as a result of an equipment malfunction, an equipment startup or shutdown, or during the performance of necessary equipment maintenance; and
 - ii. The affirmative defense is asserted and established as required by N.J.S.A. 26:2C-19.1 through 19.5 and any implementing rules. [N.J.A.C. 7:27-22.16(l)]
11. In the event of a challenge to any part of this operating permit, all other parts of the permit shall continue to be valid. [N.J.A.C. 7:27-22.16(f)]
12. Each owner and each operator of any facility, source operation, or activity to which this permit applies is responsible for ensuring compliance with all requirements of N.J.A.C. 7:27-22. If the owner and operator are separate persons, or if there is more than one owner or operator, each owner and each operator is jointly and severally liable for any fees due under N.J.A.C. 7:27-22, and for any penalties for violation of N.J.A.C. 7:27-22. [N.J.A.C. 7:27-22.3]
13. The permittee shall ensure that no air contaminant is emitted from any significant source operation at a rate, calculated as the potential to emit, that exceeds the applicable threshold for reporting emissions set forth in the Appendix to N.J.A.C. 7:27-22 or 7:27-17.9(a), unless emission of the air contaminant is authorized by this operating permit. [N.J.A.C. 7:27-22.3(c)]
14. Consistent with the provisions of N.J.A.C. 7:27-22.3(e), the permittee shall ensure that all requirements of this operating permit are met. In the event that there are multiple emission limitations, monitoring, recordkeeping, and/or reporting requirements for a given source operation, the facility must comply with all requirements, including the most stringent.
15. Consistent with the provisions of N.J.A.C. 7:27-22.3(s), Except as otherwise provided in this subchapter, the submittal of any information or application by a permittee including, but not limited to, an application or notice for any change to the operating permit, including any administrative amendment, any minor or significant modification, renewal, a notice of a seven-day notice change, a notice of past or anticipated noncompliance, does not stay any operating permit condition, nor relieve a permittee from the obligation to obtain other necessary permits and to comply with all applicable Federal, State, and local requirements.

16. Applicable requirements derived from an existing or terminated consent decree with EPA will not be changed without advance consultation by the Department with EPA. N.J.A.C. 7:27-22.3(uu).
17. Unless specifically exempted from permitting, temporary mobile equipment for short-term activities may be periodically used at major facilities, on site for up to 90 days if the requirements listed below, (a) through (h) are satisfied.
 - a. The permittee will ensure that the temporary mobile equipment will not be installed permanently or used permanently on site.
 - b. The permittee will ensure that the temporary mobile equipment will not circumvent any State or Federal rules and regulations, even for a short period of time, and the subject equipment will comply with all applicable performance standards.
 - c. The permittee cannot use temporary mobile equipment unless the owner or operator of the subject equipment has obtained and maintains an approved Air Pollution Control Permit, issued pursuant to N.J.A.C. 7:27-8 or 22, prior to bringing the temporary mobile equipment to operate at the major facility.
 - d. The permittee is responsible for ensuring the temporary mobile equipment's compliance with the terms and conditions specified in its approved Air Pollution Control Permit when the temporary mobile equipment operates on the property of the permittee.
 - e. The permittee will ensure that temporary mobile equipment utilized for short-term activities will not operate on site for more than a total of 90 days during any calendar year.
 - f. The permittee will keep on site a list of temporary mobile equipment being used at the facility with the start date, end date, and record of the emissions from all such equipment (amount and type of each air contaminant) no later than 30 days after the temporary mobile equipment completed its job in accordance with N.J.A.C. 7:27-22.19(i)3.
 - g. Emissions from the temporary mobile equipment must be included in the emission netting analysis required of the permittee by N.J.A.C. 7:27-18.7. This information is maintained on site by the permittee and provided to the Department upon request in accordance with existing applicable requirements in the FC Section of its Title V permit.
 - h. Where short-term activities (employing temporary mobile equipment) will reoccur on at least an annual basis, the permittee is required to include such activities (and the associated equipment) within one year of the first use, in its Title V permit through the appropriate modification procedures.
18. Consistent with the provisions of N.J.A.C. 7:27-22.9(c), the permittee shall use monitoring of operating parameters, where required by the compliance plan, as a surrogate for direct emissions testing or monitoring, to demonstrate compliance with applicable requirements.
19. The permittee is responsible for submitting timely and administratively complete operating permit applications:

Administrative Amendments [N.J.A.C. 7:27-22.20(c)];
Seven-Day Notice changes [N.J.A.C. 7:27-22.22(e)];
Minor Modifications [N.J.A.C. 7:27-22.23(e)];
Significant Modifications [N.J.A.C. 7:27-22.24(e)]; and
Renewals [N.J.A.C. 7:27-22.30(b)].
20. The operating permit renewal application consists of a RADIUS application and the application attachment available at the Department's website <https://dep.nj.gov/boss/applications-and-forms/> (Attachment to the RADIUS Operating Permit Renewal Application). Both the RADIUS application and the Application Attachment, along with any other supporting documents must be submitted using the Department's Portal

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

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

Section C

Facility Name: CUMBERLAND COUNTY SOLID WASTE FACILITY

Program Interest Number: 75510

Permit Activity Number: BOP210001

STATE-ONLY APPLICABLE REQUIREMENTS

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

STATE-ONLY APPLICABLE REQUIREMENTS

The following applicable requirements are not federally enforceable:

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

Facility Name: CUMBERLAND COUNTY SOLID WASTE FACILITY
Program Interest Number: 75510
Permit Activity Number: BOP210001

FACILITY SPECIFIC REQUIREMENTS AND INVENTORIES

FACILITY SPECIFIC REQUIREMENTS PAGE INDEX

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Facility (FC):

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Insignificant Sources (IS):

IS NJID	IS Description	
IS6	Eight Small Storage Tanks (Less than 500 gallons)	7
IS7	Two 660 gallon Diesel Storage Tanks (ASTs)	8
IS8	8,000 gallon Diesel Storage Tank (AST)	8
IS9	Kohler 80 kW, 133 HP Diesel Emergency Generator, Model 80REOZJD (<1 MM Btu/hour, Tier 3, installed in 2010), Subject to NSPA Subpart IIII)	10
IS10	42 kW Diesel Emergency Generator, Less than 1 MM Btu/hour	17
IS11	125,800 gallon Treated Leachate Storage Tank #1 (PCP970001, 3/1/1994)	24
IS12	125,800 gallon Treated Leachate Storage Tank #2 (PCP970002, 3/1/1994)	24
IS13	1,175,000 gallon Leachate Pretreatment Equalization Tank #3 (PCP980001, 2/1/1999)	26
IS14	419,000 gallon Leachate Storage Tank #4 (BOP150002)	28
IS15	Eleven Natural Gas Fired Heating Units, Less than 1 MM Btu/hour, each	30
IS16	Fifteen Natural Gas Fired Heating Units, Less than 1 MM Btu/hour, each	31
IS17	1,500-gallon gasoline above ground storage tank	32

Emission Units (U):

U NJID	U Designation	U Description	
U10	MSW Landfill	Municipal Solid Waste Landfill (w/o Enclosed Flare that is included in PI 75697, Cumberland Cnty Gas to Energy Plant) Subject to NSPS XXX & MACT AAAA	35
U13	Generator #4	4.37 MMBtu/hr, 400 kW diesel emergency generator (E13), Installed after 2007, Subject to NSPS Subpart A and Subpart IIII	64
U14	Generator #5	4.37 MMBtu/hr, 400 kW diesel emergency generator (E14), Installed after 2007, Subject to NSPS Subpart A and Subpart IIII	74
U16	U16 E Genset	Storage & Fleet Maintenance Bldg. Diesel Emergency Genset	75
U17	U17 E Genset	CNG Filling Station Diesel Emergency Genset	86
U18	U18 E Genset	Blower Building Diesel Emergency Genset	87

New Jersey Department of Environmental Protection
Reason for Application

Permit Being Modified

Permit Class: BOP **Number:** 230001

Description Title V Five Year Permit Renewal
of Modifications:

Program Interest Number: 75510

Initial Operating Permit Approval Date: January 30, 2002

Operating Permit Approval Date: July 9, 2019

Operating Permit Expiration Date: January 29, 2022

Insignificant Source IS16 added to incorporate new equipment added in various locations.(edited in the modification permit BOP230001 already)

Removed E12, 2,000-gallon gasoline above ground storage tank, deleted the emission unit U12 correspondingly. (2024 Renewal Permit)

Added IS17, a 1,500-gallon gasoline aboveground storage tank, with an estimated 0.2 tons per year of VOC emissions, located near the Maintenance Building (2024 Renewal Permit)

BOP210001

**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.

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

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

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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)].	<p>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.</p> <p>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.</p> <p>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]</p>
14	Used Oil Combustion: No person shall combust used oil except as authorized pursuant to N.J.A.C. 7:27-20. [N.J.A.C. 7:27-20.2]	None.	None.	Comply with the requirement: Prior to occurrence of event (prior to burning used oil) either register with the Department pursuant to N.J.A.C. 7:27-20.3 or obtain a permit issued by the Department pursuant to N.J.A.C. 7:27-8 or 7:27-22, whichever is applicable. [N.J.A.C. 7:27-20.2(d)]
15	Prevention of Accidental Releases: Facilities producing, processing, handling or storing a chemical, listed in the tables of 40 CFR Part 68.130, and present in a process in a quantity greater than the listed Threshold Quantity, shall comply with all applicable provisions of 40 CFR 68. [40 CFR 68]	Other: Comply with 40 CFR 68. [40 CFR 68].	Other: Comply with 40 CFR 68. [40 CFR 68].	Other (provide description): Other. Comply with 40 CFR 68 as described in the Applicable Requirement. [40 CFR 68]

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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	<p>Each permittee shall meet all requirements of the approved source emissions testing and monitoring protocol during the term of the operating permit.</p> <p>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.</p> <p>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)]</p>	None.	None.	Comply with the requirement: Upon occurrence of event. The permittee is responsible for contacting the Emission Measurement Section to determine the need for recertification and/or to initiate the recertification process. [N.J.A.C. 7:27-22.18(j)]
19	Each process monitor must be operated at all times when the associated process equipment is operating except during service outage time not to exceed 24 hours per calendar quarter. [N.J.A.C. 7:27-22.16(a)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The permittee must keep a service log to document any outage. [N.J.A.C. 7:27-22.16(o)]	None.
20	Continuous recording for process monitors must be at a sufficient frequency and resolution to be able to document compliance or non-compliance in accordance with Technical Manual 1005 for CEMS (TM1005(B)(3)). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

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

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**New Jersey Department of Environmental Protection
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Subject Item: IS6 Eight Small Storage Tanks (Less than 500 gallons)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	The tank shall have no visible emissions, exclusive of water vapor, to the outdoor atmosphere. [N.J.A.C. 7:27-22.1]	None.	None.	None.
2	The tank shall not emit any air contaminants which may cause an odor detectable outside the property boundaries of the facility. [N.J.A.C. 7:27-22.1]	None.	None.	None.
3	The tank shall not qualify for any NESHAPS, MACT, or NSPS air pollution control standards, excluding the NSPS requirements to maintain a record of the contents of the tank, the period of storage of these contents, and the maximum true vapor pressure of the liquid stored. [N.J.A.C. 7:27-22.1]	None.	None.	None.
4	The tank's potential to emit each TXS and each HAP shall not exceed the de minimis reporting thresholds as specified in N.J.A.C. 7:27-17.9 [N.J.A.C. 7:27-17.9]	None.	None.	None.
5	The percentage by weight of all HAPs collectively in the raw material stored in the tank shall be less than 1.0 percent. [N.J.A.C. 7:27-22.1]	None.	None.	None.
6	Storage tank contents limited to either motor oil, hydraulic oil or antifreeze. [N.J.A.C. 7:27-22.16(a)]	Monitored by review of fuel delivery records per delivery. [N.J.A.C. 7:27-22.16(o)]	None.	None.

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**New Jersey Department of Environmental Protection
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Subject Item: IS7 Two 660 gallon Diesel Storage Tanks (ASTs), IS8 8,000 gallon Diesel Storage Tank (AST)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	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.
2	Sulfur Content in Fuel \leq 15 ppmw (0.0015% by weight). [N.J.A.C. 7:27-22.16(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.
3	Storage tank contents limited to diesel fuel oil or No. 2 fuel oil. [N.J.A.C. 7:27-22.16(a)]	Monitored by review of fuel delivery records per delivery. [N.J.A.C. 7:27-22.16(o)]	None.	None.
4	For tanks greater than 2,000 gallons, the vapor pressure of the liquid, excluding the vapor pressure of water, shall be less than 0.02 psia at the liquid's actual temperature or at 70 degrees F, whichever is higher. [N.J.A.C. 7:27-22.1]	None.	None.	None.
5	The tank shall have no visible emissions, exclusive of water vapor, to the outdoor atmosphere. [N.J.A.C. 7:27-22.1]	None.	None.	None.
6	The tank shall not emit any air contaminants which may cause an odor detectable outside the property boundaries of the facility. [N.J.A.C. 7:27-22.1]	None.	None.	None.
7	The tank shall not qualify for any NESHAPS, MACT, or NSPS air pollution control standards, excluding the NSPS requirements to maintain a record of the contents of the tank, the period of storage of these contents, and the maximum true vapor pressure of the liquid stored. [N.J.A.C. 7:27-22.1]	None.	None.	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
8	The tank's potential to emit each TXS and each HAP shall not exceed the de minimis reporting thresholds as specified in N.J.A.C. 7:27-17.9 [N.J.A.C. 7:27-17.9]	None.	None.	None.
9	The percentage by weight of all HAPs collectively in the raw material stored in the tank shall be less than 1.0 percent. [N.J.A.C. 7:27-22.1]	None.	None.	None.

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**New Jersey Department of Environmental Protection
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Subject Item: IS9 Kohler 80 kW, 133 HP Diesel Emergency Generator, Model 80REOZJD (<1 MM Btu/hour, Tier 3, installed in 2010), Subject to NSPS Subpart IIII)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Opacity <= 20 % , exclusive of visible condensed water vapor, except for a period of not longer than 10 consecutive seconds. [N.J.A.C. 7:27- 3.5]	None.	None.	None.
2	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.

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

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
4	<p>This emergency generator shall not be used:</p> <p>1. For normal testing and maintenance on days when the Department forecasts air quality anywhere in New Jersey to be "unhealthy for sensitive groups," "unhealthy," or "very unhealthy" as defined in the EPA's Air Quality Index at 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 https://dep.nj.gov/boss/air-quality-forecast-fc and</p> <p>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)]</p>	None.	None.	None.
5	The owner or operator shall submit an annual statement certified in accordance with N.J.A.C. 7:27-1.39 and signed by the responsible official, as defined at N.J.A.C. 7:27-1.4. The Responsible Official shall certify annually that the emergency generator is operated as defined in this permit. [N.J.A.C. 7:27-22.1]	None.	None.	None.
6	Sulfur Content in Fuel \leq 0.0015 % by weight. Maximum allowable sulfur content in No. 2 fuel oil, diesel fuel or kerosene shall be no more than 15 ppm (0.0015% by wt.). [N.J.A.C. 7:27-22.16(a)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery. [N.J.A.C. 7:27-22.16(o)]	Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing sulfur content. [N.J.A.C. 7:27-22.16(o)]	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	Generator fuel limited to No. 2 fuel oil or diesel fuel. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	The owner or operator shall keep records of engine manufacturer data for the life of the equipment showing the rated Maximum Gross Heat Input, Maximum Rated Power Output, Model Year and Displacement. [N.J.A.C. 7:27-22.16(a)]	None.	Other: The owner or operator shall keep records of engine manufacturer data for the life of the equipment showing the rated Maximum Gross Heat Input, Maximum Rated Power Output, Model Year and Displacement. [N.J.A.C. 7:27-22.16(o)].	None.
9	Hours of Operation <= 100 hr/yr for testing and maintenance. The limit on the allowable hours for testing and maintenance in accordance with the documentation from manufacturer, the vendor, or the insurance company associated with the engine. [N.J.A.C. 7:27-22.16(a)]	Hours of Operation: Monitored by hour/time monitor continuously. [N.J.A.C. 7:27-22.16(o)]	Hours of Operation: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The owner or operator shall maintain onsite and record in a logbook or computer data system the total operating time for testing and maintenance from the generator's hour meter. The total hours of operation limit shall be for purposes of establishing potential to emit. [N.J.A.C. 7:27-19.11]	None.
10	Owners and operators of stationary CI internal combustion engines must operate and maintain stationary CI ICE that achieve the emission standards as required in 40 CFR 60.4204 and 60.4205 over the entire life of the engine. [NSPS, Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines]. [40 CFR 60.4206]	None.	Other: The owner or operator shall keep the manufacturer's emission-related written instructions over the entire life of the engine. [40 CFR 60.4206].	None.

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

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
13	Emergency generators may be operated for the purpose of maintenance checks and readiness testing limited to 100 hours per year, provided that those tests are recommended by Federal, State, or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Anyone may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency ICE beyond 100 hours per year. [NSPS, Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines]. [40 CFR 60.4211(f)]	Monitored by hour/time monitor continuously. The owner or operator of an emergency stationary internal combustion engine that does not meet the standards applicable to non-emergency engines must install a non-resettable hour meter prior to startup of the engine. [40 CFR 60.4209(a)]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The owner or operator must record the time of operation of the emergency engine and the reason the engine was in operation during that time. Starting with the model year 2011, 2012, or 2013, depending on the maximum engine power as provided in Table 5 in NSPS IIII, the owner or operator must keep records of the operation of the engine in emergency and non-emergency service that are recorded through the non-resettable hour meter if the emergency engine does not meet the standards in 40 CFR 60.4204, applicable to non-emergency engines, in the applicable model year. The emergency engine must comply with the labeling requirements in 40 CFR 60.4210(f). [40 CFR 60.4214(b)]	None.
14	The owner or operator of a 2007 model year and later emergency generator with a displacement of < 10 liters per cylinder and a maximum engine power ≥ 37 kW (HP ≥ 50) and no greater than 3,000HP ($\leq 2,237$ kW) must comply with the certification emissions standards in 40 CFR 89.112 and smoke standards in 40 CFR 89.113 for the same model year and maximum engine power as follows: NMHC + NO _x ≤ 4 g/kW-hr, CO ≤ 5 g/kW-hr, PM ≤ 0.3 g/kW-hr, weighted average emissions as defined in 40 CFR 89.404. [NSPS, Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines]. [40 CFR 60.4205(b)]	None.	Other: The owner or operator of a 2007 model year or later engine must keep manufacturer certification showing compliance with the applicable emission standards, for the same model year and maximum engine power. [40 CFR 60.4211].	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
15	The owner or operator of a 2007 model year and later stationary CI internal combustion engine complying with the emission standards specified in 40 CFR 60.4205(b), must comply by purchasing an engine certified to the emission standards in 40 CFR 60.4205(b), for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's emission-related specifications. [NSPS, Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines]. [40 CFR 60.4211(c)]	None.	Other: The owner or operator must keep documentation from the manufacturer, for the life of the equipment, that the engine is certified to meet the emission standards as applicable, for the same model year and maximum engine power. If the engine and control device is not installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions, or emission-related settings are changed in a way that is not permitted by the manufacturer, the owner or operator must demonstrate compliance as prescribed at 40 CFR 60.4211(g)(1), (2) or (3) depending on the maximum engine power. [40 CFR 60.4211(c)].	None.
16	A new or reconstructed stationary RICE located at an area HAP source must meet the requirements of 40 CFR 63 by meeting the requirements of 40 CFR 60 subpart IIII, for compression ignition engines or 40 CFR 60 subpart JJJJ, for spark ignition engines. No further requirements apply for such engines under 40 CFR 63. [MACT, Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines]. [40 CFR 63.6590(c)]	Other: Comply with all applicable provisions at NSPS IIII. [40 CFR 63].	Other: Comply with all applicable provisions at NSPS IIII. [40 CFR 63].	None.

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

Subject Item: IS10 42 kW Diesel Emergency Generator, Less than 1 MM Btu/hour

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

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
4	<p>AN EMERGENCY GENERATOR, 37 KW OR GREATER:</p> <p>Each emergency generator shall be located at the facility and produce mechanical or thermal energy, or electrical power exclusively for use at the facility. This emergency generator shall be operated only:</p> <ol style="list-style-type: none"> 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] 	<p>Monitored by hour/time monitor continuously. [N.J.A.C. 7:27-22.16(o)]</p>	<p>Recordkeeping by manual logging of parameter or storing data in a computer data system at the approved frequency. The owner or operator shall maintain on site and record the following information:</p> <ol style="list-style-type: none"> 1. Once per month, the total operating time from the generator's hour meter. 2. For each time the emergency generator is specifically operated for testing or maintenance: <ol style="list-style-type: none"> i. The reason for its operation; ii. The date(s) of operation and the start up and shut down time; iii. The total operating time for testing or maintenance based on the generator's hour meter; and iv. The name of the operator; and 3. If a voltage reduction is the reason for the use of the emergency generator, a copy of the voltage reduction notification from PJM or other documentation of the voltage reduction. <p>The owner or operator of an emergency generator shall maintain the above records for a period no less than five years after the record was made and shall make the records readily available to the Department or the EPA upon request. [N.J.A.C. 7:27-19.11]</p>	<p>None.</p>

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
5	<p>This emergency generator shall not be used:</p> <p>1. For normal testing and maintenance on days when the Department forecasts air quality anywhere in New Jersey to be "unhealthy for sensitive groups," "unhealthy," or "very unhealthy" as defined in the EPA's Air Quality Index at http://airnow.gov/, as supplemented or amended and incorporated herein by reference, unless required in writing by a Federal or State law or regulation. Procedures for determining the air quality forecasts for New Jersey are available at the Department's air quality permitting web site at https://dep.nj.gov/boss/air-quality-forecast-fc and</p> <p>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)]</p>	None.	None.	None.
6	<p>The owner or operator shall submit an annual statement certified in accordance with N.J.A.C. 7:27-1.39 and signed by the responsible official, as defined at N.J.A.C. 7:27-1.4. The Responsible Official shall certify annually that the emergency generator is operated as defined in this permit. [N.J.A.C. 7:27-22.1]</p>	None.	None.	None.
7	<p>Generator fuel limited to No. 2 fuel oil or diesel fuel. [N.J.A.C. 7:27-22.16(a)]</p>	None.	None.	None.

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
8	Owners and operators of stationary CI internal combustion engines must operate and maintain stationary CI ICE that achieve the emission standards as required in 40 CFR 60.4204 and 60.4205 over the entire life of the engine. [NSPS, Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines]. [40 CFR 60.4206]	None.	Other: The owner or operator shall keep the manufacturer's emission-related written instructions over the entire life of the engine.[40 CFR 60.4206].	None.
9	Beginning October 1, 2010, the CI internal combustion engines with a displacement of less than 30 liters per cylinder subject to NSPS IIII (manufactured after April 1, 2006 or modified or reconstructed after July 11, 2005) that use diesel fuel must use diesel fuel that meets the requirements of 40 CFR 80.510(b) that contains the following per gallon standards: 15 ppm (0.0015 percent) maximum sulfur content and either a minimum cetane index of 40 or a maximum aromatic content of 35 volume percent, except that any existing diesel fuel purchased (or otherwise obtained) prior to October 1, 2010, may be used until depleted. [NSPS, Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines]. [40 CFR 60.4207(b)]	Monitored by review of fuel delivery records once per bulk fuel shipment. For each diesel delivery received, the owner or operator shall review written documentation of the delivery to ensure the maximum allowable fuel oil sulfur content and either a minimum cetane index or a maximum aromatic content is not being exceeded. Such written documentation can include, but is not limited to: bill of lading, delivery invoice, certificate of analysis. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by invoices / bills of lading / certificate of analysis once per bulk fuel shipment. The owner or operator shall keep records of fuel showing oil sulfur content and either a minimum cetane index or a maximum aromatic content for each delivery received. All records must be maintained for a minimum of 2 years following the date of such records per 40 CFR 60.7(f). [N.J.A.C. 7:27-22.16(o)]	None.

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
10	The owner or operator that must comply with the emission standards specified in NSPS IIII must operate and maintain the stationary CI internal combustion engine and control device, except as permitted under 40 CFR 60.4211(g), according to the manufacturer's emission-related written instructions. In addition, owners and operators may only change emission-related settings that are permitted by the manufacturer. The owner or operator must also meet the requirements of 40 CFR parts 89, 94 and/or 1068, as applicable. [NSPS, Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines]. [40 CFR 60.4211(a)]	None.	Other: The owner or operator shall keep the manufacturer's emission-related written instructions.[40 CFR 60.4211].	None.
11	Emergency generators may be operated for the purpose of maintenance checks and readiness testing limited to 100 hours per year, provided that those tests are recommended by Federal, State, or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Anyone may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency ICE beyond 100 hours per year. [NSPS, Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines]. [40 CFR 60.4211(f)]	Monitored by hour/time monitor continuously. The owner or operator of an emergency stationary internal combustion engine that does not meet the standards applicable to non-emergency engines must install a non-resettable hour meter prior to startup of the engine. [40 CFR 60.4209(a)]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The owner or operator must record the time of operation of the emergency engine and the reason the engine was in operation during that time. Starting with the model year 2011, 2012, or 2013, depending on the maximum engine power as provided in Table 5 in NSPS IIII, the owner or operator must keep records of the operation of the engine in emergency and non-emergency service that are recorded through the non-resettable hour meter if the emergency engine does not meet the standards in 40 CFR 60.4204, applicable to non-emergency engines, in the applicable model year. The emergency engine must comply with the labeling requirements in 40 CFR 60.4210(f). [40 CFR 60.4214(b)]	None.

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
12	The owner or operator of a 2007 model year and later emergency generator with a displacement of < 10 liters per cylinder and a maximum engine power ≥ 37 kW (HP ≥ 50) and no greater than 3,000HP ($\leq 2,237$ kW) must comply with the certification emissions standards in 40 CFR 89.112 and smoke standards in 40 CFR 89.113 for the same model year and maximum engine power as follows: NMHC + NO _x ≤ 4.7 g/kW-hr, CO ≤ 5.0 g/kW-hr, PM ≤ 0.4 g/kW-hr, weighted average emissions as defined in 40 CFR 89.404. [NSPS, Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines]. [40 CFR 60.4205(b)]	None.	Other: The owner or operator of a 2007 model year or later engine must keep manufacturer certification showing compliance with the applicable emission standards, for the same model year and maximum engine power. [40 CFR 60.4211].	None.
13	The owner or operator of a 2007 model year and later stationary CI internal combustion engine complying with the emission standards specified in 40 CFR 60.4205(b), must comply by purchasing an engine certified to the emission standards in 40 CFR 60.4205(b), for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's emission-related specifications. [NSPS, Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines]. [40 CFR 60.4211(c)]	None.	Other: The owner or operator must keep documentation from the manufacturer, for the life of the equipment, that the engine is certified to meet the emission standards as applicable, for the same model year and maximum engine power. If the engine and control device is not installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions, or emission-related settings are changed in a way that is not permitted by the manufacturer, the owner or operator must demonstrate compliance as prescribed at 40 CFR 60.4211(g)(1), (2) or (3) depending on the maximum engine power. [40 CFR 60.4211(c)].	None.

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
14	A new or reconstructed stationary RICE located at an area HAP source must meet the requirements of 40 CFR 63 by meeting the requirements of 40 CFR 60 subpart IIII, for compression ignition engines or 40 CFR 60 subpart JJJJ, for spark ignition engines. No further requirements apply for such engines under 40 CFR 63. [MACT, Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines]. [40 CFR 63.6590(c)]	Other: Comply with all applicable provisions at NSPS IIII. [40 CFR 63].	Other: Comply with all applicable provisions at NSPS IIII. [40 CFR 63].	None.

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

Subject Item: IS11 125,800 gallon Treated Leachate Storage Tank #1 (PCP970001, 3/1/1994), IS12 125,800 gallon Treated Leachate Storage Tank #2 (PCP970002, 3/1/1994)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	The owner or operator shall maintain on-site for the time period specified at N.J.A.C. 7:27-16.22(a) records specifying each VOC stored and the vapor pressure of each VOC at standard conditions. [N.J.A.C. 7:27-16.2(s)1]	None.	Other: Maintain readily accessible records.[N.J.A.C. 7:27-16.2(s)1].	None.
2	Tank contents limited to landfill leachate. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	Total Throughput <= 9 MMgal/yr for leachate. [N.J.A.C. 7:27-22.16(e)]	Other: Tank throughput records each tank truck filling.[N.J.A.C. 7:27-22.16(o)].	Total Throughput: Recordkeeping by manual logging of parameter or storing data in a computer data system per change of material (before being hauled off site for final treatment). [N.J.A.C. 7:27-22.16(o)]	None.
4	Vapor Pressure < 0.02 psia @ 70 degrees F. For tanks greater than 2,000 gallons, the vapor pressure of the liquid, excluding the vapor pressure of water, shall be less than 0.02 psia at the liquid's actual temperature or at 70 degrees F, whichever is higher. [N.J.A.C. 7:27-22.1]	None.	None.	None.
5	The operating temperature of the tank shall not be greater than 350 degrees F. [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.

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
8	The 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 de minimis reporting thresholds as specified in N.J.A.C. 7:27-17.9. [N.J.A.C. 7:27-17.9]	None.	None.	None.
10	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.

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

Subject Item: IS13 1,175,000 gallon Leachate Pretreatment Equalization Tank #3 (PCP980001, 2/1/1999)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Tank contents limited to landfill leachate. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
2	The owner or operator shall maintain on-site for the time period specified at N.J.A.C. 7:27-16.22(a) records specifying each VOC stored and the vapor pressure of each VOC at standard conditions. [N.J.A.C. 7:27-16.2(s)1]	None.	Other: Maintain readily accessible records.[N.J.A.C. 7:27-16.2(s)1].	None.
3	Total Throughput <= 55 MMgal/yr for leachate. [N.J.A.C. 7:27-22.16(a)]	Other: Tank throughput records each tank truck filling.[N.J.A.C. 7:27-22.16(o)].	Total Throughput: Recordkeeping by manual logging of parameter or storing data in a computer data system per change of material (before being hauled off site for final treatment). [N.J.A.C. 7:27-22.16(o)]	None.
4	Vapor Pressure < 0.02 psia @ 70 degrees F. For tanks greater than 2,000 gallons, the vapor pressure of the liquid, excluding the vapor pressure of water, shall be less than 0.02 psia at the liquid's actual temperature or at 70 degrees F, whichever is higher. [N.J.A.C. 7:27-22.1]	None.	None.	None.
5	The operating temperature of the tank shall not be greater than 350 degrees F. [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.

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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 de minimis reporting thresholds as specified in N.J.A.C. 7:27-17.9 [N.J.A.C. 7:27-17.9]	None.	None.	None.
10	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.

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

Subject Item: IS14 419,000 gallon Leachate Storage Tank #4 (BOP150002)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	The owner or operator shall maintain on-site for the time period specified at N.J.A.C. 7:27-16.22(a) records specifying each VOC stored and the vapor pressure of each VOC at standard conditions. [N.J.A.C. 7:27-16.2(s)1]	None.	Other: Maintain readily accessible records.[N.J.A.C. 7:27-16.2(s)1].	None.
2	Tank contents limited to landfill leachate. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	Total Throughput <= 55 MMgal/yr for leachate. [N.J.A.C. 7:27-22.16(a)]	Other: Tank throughput records each tank truck filling.[N.J.A.C. 7:27-22.16(o)].	Total Throughput: Recordkeeping by manual logging of parameter or storing data in a computer data system per change of material (before being hauled off site for final treatment). [N.J.A.C. 7:27-22.16(o)]	None.
4	Vapor Pressure < 0.02 psia @ 70 degrees F. For tanks greater than 2,000 gallons, the vapor pressure of the liquid, excluding the vapor pressure of water, shall be less than 0.02 psia at the liquid's actual temperature or at 70 degrees F, whichever is higher. [N.J.A.C. 7:27-22.1]	None.	None.	None.
5	The operating temperature of the tank shall not be greater than 350 degrees F. [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.

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
8	The 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 de minimis reporting thresholds as specified in N.J.A.C. 7:27-17.9. [N.J.A.C. 7:27-17.9]	None.	None.	None.
10	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.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Subject Item: IS15 Eleven Natural Gas Fired Heating Units, Less than 1 MM Btu/hour, each

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

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New Jersey Department of Environmental Protection
Facility Specific Requirements

Subject Item: IS16 Fifteen Natural Gas Fired Heating Units, Less than 1 MM Btu/hour, each

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

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

Subject Item: IS17 1,500-gallon gasoline above ground storage tank

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	The permittee shall maintain records specifying each material stored and its vapor pressure at standard conditions. [N.J.A.C. 7:27-16.2(s)1]	Other: Tank contents, per delivery.[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 bound log book. [N.J.A.C. 7:27-22.16(o)]	None.
2	<p>No person shall permit the transfer of gasoline into any gasoline laden vehicular fuel tank, unless the following requirements are met:</p> <p>1. The transfer is made using a vapor control system that is approved by the Department and that reduces the total applicable VOC emissions into the outdoor atmosphere by no less than 95 percent of the concentration of applicable VOC by volume in the air-vapor mixture displaced during the transfer of gasoline;</p> <p>2. The vapor recovery system shall be one of the following:</p> <ul style="list-style-type: none"> i. A vapor recovery system that is CARB-certified; ii. A vapor recovery system that was certified by CARB prior to July 25, 2001, for which all replacement parts/equipment/components and all subsequent construction modifications: (1) Are approved in an Executive Order or approval letter issued by CARB on or after July 25, 2001; and (2) Do not decrease the VOC emission control efficiency of the system; or iiii. A vapor recovery system that is equivalent for the purpose of VOC emission control to a CARB certified vapor recovery system and that is approved by the Department and EPA. [N.J.A.C. 7:27-16.3(f)] 	None.	None.	None.

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
3	<p>Each dispensing device at a gasoline dispensing facility shall meet the following requirements:</p> <p>i. Each nozzle shall have a check valve located in the nozzle;</p> <p>ii. At a facility with a vacuum assist vapor control system, each nozzle shall be equipped with a splash-guard that prevents spillage during refueling; and</p> <p>iii. Each dispensing device and its nozzle(s) shall be designed to be compatible, such that</p> <p>(1) The nozzle together with its vapor boot fits into the housing in which it is hung on the dispensing device; and</p> <p>(2) The nozzle's vapor check valve remains in the closed position when the nozzle is properly hung on the dispensing device. [N.J.A.C. 7:27-16.3(f)3]</p>	None.	None.	None.
4	Total Throughput <= 30,000 gal/yr storage tank's maximum annual gasoline throughput limit. [N.J.A.C. 7:27-22.16(a)]	Total Throughput: Monitored by review of fuel delivery records once per bulk fuel shipment. [N.J.A.C. 7:27-22.16(o)]	Total Throughput: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The owner or operator shall maintain the monthly gasoline throughput records for annual summary total. [N.J.A.C. 7:27-22.16(o)]	None.
5	Tank contents limited to gasoline only. [N.J.A.C. 7:27-22.16(a)]	Monitored by review of fuel delivery records per delivery. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by invoices / bills of lading / certificate of analysis per delivery. Keep and maintain all records on site for 5 years. [N.J.A.C. 7:27-22.16(o)]	None.

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
6	<p>The owner or operator shall not allow gasoline to be handled in a manner that would result in vapor releases to the atmosphere for extended periods of time. Measures to be taken include, but are not limited to, the following:</p> <p>(1) Minimize gasoline spills;</p> <p>(2) Clean up spills as expeditiously as practicable;</p> <p>(3) Cover all open gasoline containers and all gasoline storage tank fill-pipes with a gasketed seal when not in use;</p> <p>(4) Minimize gasoline sent to open waste collection systems that collect and transport gasoline to reclamation and recycling devices, such as oil/water separators. [MACT, Subpart CCCCCC - National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Dispensing Facilities] [40 CFR 63.11116(a)]</p>	None.	None.	None.

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Emission Unit: U10 Municipal Solid Waste Landfill (w/o Enclosed Flare that is included in PI 75697, Cumberland Cnty Gas to Energy Plant) Subject to NSPS XXX & MACT AAAA

Operating Scenario: OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Summary of Applicable Federal Regulations: 40 CFR 60, NSPS Subpart XXX 40 CFR 63, MACT Subpart AAAA. [40 CFR Federal Rules Summary]	None.	None.	None.
2	All landfill gas must be treated as per NSPS Subpart XXX, and transferred to Cumberland County Gas to Energy Plant, per Title V operating permit, BOP PI 75697. There is no bypass line at CCSW facility. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	The Enclosed Flare requirements are addressed in the Cumberland County Gas to Energy Plant, Title V operating permit, BOP PI 75697, the current BOP Activity, Emission Unit U5 (E5-ECF001). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Design Capacity: The Total Design Capacity of the Landfill increased from 13,797,630 Cubic Yards to 15,149,140 Cubic Yards, per solid Waste Permit Number LOP170002. The Permittee shall submit a Title V Air Operating Permit Modification after a design capacity has changed through Solid Waste Facility permit. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	Total cumulative landfill gas flow to the Cumberland County Gas to Energy Plant <= 985 MMscf in any calendar year, based on EPA LandGEM. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
6	VOC (Total) <= 23.4 tons/yr uncaptured (fugitive) emissions. Annual emission limit based on the expected gas generation and based on 75% collection system efficiency. [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by calculations once initially and prior to permit expiration date. [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system once initially and prior to permit expiration date. [N.J.A.C. 7:27-22.16(o)]	None.
7	Acrylonitrile <= 0.0007 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Benzene <= 0.0278 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Dichlorobenzene (1,4-) <= 0.0865 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
10	Dichloroethane (1,2-) <= 0.0043 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
11	Ethylbenzene <= 0.2638 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
12	Ethylene dibromide <= 0.0032 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
13	Ethylidene dichloride <= 0.0268 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
14	Hydrogen sulfide <= 5.6009 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
15	Tetrachloroethane (1,1,2,2-) <= 0.0043 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
16	Trichloroethylene <= 0.0328 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
17	Methane <= 2,910 tons/yr. Uncaptured (fugitive) emissions from the landfill, based on 75% collection system efficiency. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
18	H2S: The permittee shall monitor an ambient H2S concentration at the property's fenceline. [N.J.A.C. 7:27-22.16(a)]	<p>H2S: Monitored by periodic emission monitoring each week during operation at the fenceline for the first three months, then once every quarter.</p> <p>Facility shall measure an ambient H2S concentration at a location downwind on or near the property fenceline.</p> <p>The Department reserves the right to change the frequency of monitoring requirement based on a review of the analyses. [N.J.A.C. 7:27-22.16(o)]</p>	H2S: Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. Record Date, Time, Name of Persons conducting monitoring, Wind Speed, Wind Direction, Location of Measurement and H2S concentrations. [N.J.A.C. 7:27-22.16(o)]	<p>Notify by phone: Upon occurrence of event. When the H2S ambient concentration at the facility's fenceline exceeds 30 ppbv, contact the NJDEP Hotline at 1-877-927-6337.</p> <p>When the H2S ambient concentration at the facility's fenceline exceeds 30 ppbv or if H2S odor is detected even when the H2S ambient concentration is \leq 30 ppbv, the following corrective actions shall be taken:</p> <ol style="list-style-type: none"> 1. Investigate and determine the source of the odor. 2. As applicable, place additional daily and/or intermediate cover soils or apply other cover technologies at suspected locations of surface emissions to reduce H2S emissions to ambient air. 3. Investigate gas collectors in the vicinity of suspected surface emissions locations and increase the blower vacuum on the gas collection system and balance the vacuum at each wellhead of the gas collection system to maximize collection efficiency, as appropriate. [N.J.A.C. 7:27-22.16(o)]
19	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 Part 60, Subpart A - General Provisions]. [40 CFR 60.4(a)]	None.	None.	Submit a report: As per the approved schedule to EPA Region II as required by 40 CFR 60. Submit Information to: Chief, Air Compliance Branch, US Environmental Protection Agency, Region II, 290 Broadway, New York, NY 10007-1866. [40 CFR 60.4(a)]

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
20	The Permittee shall sample and analyze the landfill gas by gas chromatography and mass spectroscopy (including methane, non-methane organic compounds including toxic volatile organic substances listed at N.J.A.C. 7:27-17 (i.e. benzene, carbon tetrachloride, chloroform, etc.), and hydrogen sulfide, quarterly for the first year and annually thereafter. [N.J.A.C. 7:27-22.16(a)]	Monitored by gas sampling at the approved frequency, based on an instantaneous determination. Once per quarter for the first year. The first sample shall be taken within 45 days of the approved permit. After one year of sampling, all other gas samples shall be taken annually at any time during the time period of June through August. The Department reserves the right to change the frequency of sampling based on a review of the analyses. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by certified lab analysis results 4 times a year for the first year. After the first year, recordkeeping by certified lab analysis results annually within 60 days of sampling. [N.J.A.C. 7:27-22.16(o)]	Submit a report: Every quarter (three months) beginning on the first of the month of the first full quarter following the effective date of the approved permit. Quarters shall begin on January 1, April 1, July 1, and October 1 of each year. The report shall be submitted to the regional enforcement office within 30 calendar days of sampling. [N.J.A.C. 7:27-22.16(o)]
21	Submit a copy of all requests, reports, applications, submittals, and other communication required by 40 CFR 60 to the Southern Regional Enforcement Office of NJDEP. [NSPS, 40 CFR Part 60, Subpart A - General Provisions]. [40 CFR 60.4(b)]	None.	None.	Submit a report: As per the approved schedule to Regional Enforcement Office as required by 40 CFR 60. [40 CFR 60.4(b)]
22	The owner or operator subject to the provisions of 40 CFR Part 60 shall furnish the Administrator written notification or, if acceptable to both the Administrator and the owner or operator of a source, electronic notification, of the date of construction or reconstruction of an affected facility as defined under 40 CFR Part 60 Subpart A. Notification shall be postmarked no later than 30 days after such date. [NSPS, 40 CFR Part 60, Subpart A - General Provisions]. [40 CFR 60.7(a)(1)]	None.	None.	Submit notification: Upon occurrence of event to EPA Region 2 and the appropriate Regional Enforcement Office of NJDEP as required by 40 CFR 60.7. [40 CFR 60.7(a)(1)]
23	The owner or operator subject to the provisions of 40 CFR Part 60 shall furnish the Administrator written notification or, if acceptable to both the Administrator and the owner or operator of a source, electronic notification, of the actual date of initial startup of an affected facility postmarked within 15 days after such date. [NSPS, 40 CFR Part 60, Subpart A - General Provisions]. [40 CFR 60.7(a)(3)]	None.	None.	Submit notification: Upon occurrence of event to EPA Region 2 and the appropriate Regional Enforcement Office of NJDEP as required by 40 CFR 60.7. [40 CFR 60.7(a)(3)]

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
24	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 Part 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 Regional Enforcement Office per 40 CFR 60.7. [40 CFR 60.7(a)(4)]
25	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 Part 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.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
26	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 Part 60, Subpart A - General Provisions]. [40 CFR 60.11(d)]	None.	None.	None.
27	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 Part 60, Subpart A - General Provisions]. [40 CFR 60.12]	None.	None.	None.
28	The owner or operator shall submit to the Administrator the initial design capacity report. The initial design capacity report must contain information specified in 40 CFR 60.767(a). [40 CFR 60.762(a)]	None.	None.	Submit a report: Upon occurrence of event to the Administrator by November 28, 2016 for landfills that commenced construction, modification, or reconstruction before August 29, 2016; or ninety days after the date of commenced construction, modification, or reconstruction for landfills that commence construction, modification, or reconstruction after August 29, 2016. [40 CFR 60.767(a)(3)]

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
29	<p>The owner or operator shall submit to the Administrator a non-methane organic compounds (NMOC) emission rate report using procedure specified at 40 CFR 60.764(a)(1). The owner an operator shall recalculate non-methane organic compounds (NMOC) emission rate annually until such time as the calculated NMOC emission rate is equal to or greater than 34 megagrams per year, or the landfill is closed. If the estimated NMOC emission rate is less than 34 megagrams per year in each of the next 5 consecutive years, the owner or operator may elect to submit an estimate of the NMOC emission rate for the next 5-year period in lieu of the annual report, per 40 CFR 60.767(b)(1)(ii).</p> <p>Per 40 CFR 60.767(b)(1)(i), the initial NMOC emission rate report may be combined with the initial design capacity report required in 40 CFR 60.767(a). [NSPS 40 CFR 60 Subpart XXX - Municipal Solid Waste Landfills That Commenced Construction, Reconstruction, or Modification After July 17, 2014]. [40 CFR 60.762(b)(1)]</p>	Monitored by calculations annually. The NMOC mass emission rate shall be recalculated annually. [40 CFR 60.764(a)(1)]	Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [40 CFR 60.764(a)]	<p>Submit a report: Annually. Submit an initial NMOC mass emission rate report electronically to the Administrator by November 28, 2016 for landfills that commenced construction, modification, or reconstruction before August 29, 2016; or ninety days after the date of commenced construction, modification, or reconstruction for landfills that commence construction, modification, or reconstruction after August 29, 2016. Subsequent NMOC reports shall be submitted annually thereafter. The reports shall be submitted to the EPA via CEDRI through the EPA's Central Data Exchange (CDX). If the reporting form specific to NSPS XXX is not available in CEDRI at the time that the report is due, the owner or operator must submit the report to the Administrator at the address listed in 40 CFR 60.4. Once the form has been available in CEDRI for 90 calendar days, the owner or operator must begin submitting all subsequent reports via CEDRI.</p> <p>The report is no longer required after the owner or operator installs and operates in compliance with 40 CFR 60.763 and 60.765, a collection and control system that complies with 40 CFR 60.762(b)(2). [40 CFR 60.767(b)]</p>

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
30	<p>If the NMOC emission report shows the NMOC emissions \geq 34 megagrams per year (Mg/yr), submit a collection and control system design plan to the Administrator for approval. The collection and control system shall meet the design requirements in 40 CFR 60.762(b)(2)(ii) and (b)(2)(iii). The collection and control system design plan must be prepared and approved by a professional engineer and must meet the requirements in 40 CFR 60.767(c). The collection and control system design plan must conform with specifications for active collection systems in 40 CFR 60.769.</p> <p>Per 40 CFR 60.767(d), submit a revised collection and control system design plan as follows: (1) at least 90 days before expanding operations to an area not covered by the previously approved design plan; (2) Prior to installing or expanding the gas collection system in a way that is not consistent with the design plan previously submitted to the Administrator. [NSPS 40 CFR 60 Subpart XXX - Municipal Solid Waste Landfills That Commenced Construction, Reconstruction, or Modification After July 17, 2014]. [40 CFR 60.762(b)(2)(i)]</p>	None.	None.	<p>Submit a plan: Once initially. The collection and control system design plan shall be submitted to the Administrator for approval within 1 year of the NMOC emission rate report that shows the NMOC emissions equal to or greater than 34 megagrams per year. The Administrator must either approve, disapprove, or request additional information. If the Administrator does not approve or disapprove the design plan, or does not request the additional information within 90 days of receipt, then the owner or operator may continue with implementation of the design plan, recognizing they would be proceeding at their own risk.</p> <p>The revised collection and control system design plan shall be submitted in accordance with the schedule in 40 CFR 767(d). [40 CFR 60.767(c)]</p>

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
31	<p>If the NMOC emission report shows the NMOC emissions \geq 34 megagrams per year (Mg/yr), the owner or operator must install and start up an active collection and control system within 30 months after the first annual report in which the NMOC emission rate equals to or exceeds 34 megagrams per year.</p> <p>The active collection system must:</p> <p>(1) Be designed to handle the maximum expected gas flow rate from the entire area of the landfill that warrants control over the intended use period of the gas control system equipment;</p> <p>(2) Collect gas from each area, cell, or group of cells in the landfill in which the initial solid waste has been placed for a period of 5 years or more if active; or 2 years or more if closed or at final grade.</p> <p>(3) Collect gas at a sufficient extraction rate;</p> <p>(4) Be designed to minimize off-site migration of subsurface gas.</p> <p>The gas collection system must be constructed using the equipment or processes described in 40 CFR 60.769(b). [NSPS 40 CFR 60 Subpart XXX - Municipal Solid Waste Landfills That Commenced Construction, Reconstruction, or Modification After July 17, 2014]. [40 CFR 60.762(b)(2)(ii)]</p>	<p>Other: The owner or operator shall determine whether the gas collection system is in compliance with 40 CFR 60.762(b)(2)(ii) using procedures in 40 CFR 60.765(a)(1) - calculating the maximum expected gas generation flow rate, (a)(2) - determining the density of gas collectors and (a)(3) - determining whether the gas collection system flow rate is sufficient. [40 CFR 60.765(a)].</p>	<p>Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The owner or operator must keep up-to-date, readily accessible records for the life of the control system of the data in 40 CFR 60.768(b)(1) through (b)(5) as measured during the initial performance test or compliance demonstration. Records of subsequent tests or monitoring must be maintained for a minimum of 5 years.</p> <p>Per 40 CFR 60.768(c)(5), the owner or operator must keep records of periods when the collection system or control device is not operating. [40 CFR 60.768(b)(1)]</p>	<p>Submit a report: Annually. Submit an annual report electronically to Administrator. The reports shall be submitted to the EPA via CEDRI through the EPA's Central Data Exchange (CDX).</p> <p>If the reporting form specific to NSPS XXX is not available in CEDRI at the time that the report is due, the owner or operator must submit the report to the Administrator at the address listed in 40 CFR 60.4. Once the form has been available in CEDRI for 90 calendar days, the owner or operator must begin submitting all subsequent reports via CEDRI.</p> <p>The report shall include all the information required in 40 CFR 60.767(g)(1) through (g)(7). The initial annual report shall be submitted within 180 days of installing and startup of the collection and control system and must include the initial performance test report required under 40 CFR 60.8 and 40 CFR 60.767(h), as applicable. [40 CFR 60.767(g)]</p>

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
32	<p>If the NMOC emission report shows the NMOC emissions \geq 34 megagrams per year (Mg/yr), route all the collected gas to either control system:</p> <p>(A) A non-enclosed flare designed and operated in accordance with the parameters established in 40 CFR 60.18;</p> <p>(B) 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;</p> <p>(C) Route the collected gas to a treatment system that processes the collected gas for subsequent sale or beneficial use. Venting of treated landfill gas to the ambient air is not allowed. The treated landfill gas that cannot be routed for subsequent sale or beneficial use and all emissions from any atmospheric vent from the gas treatment system must be controlled according to either (A) or (B).</p> <p>The landfill gas must be conveyed to a control system through the collection header pipe(s). The gas mover equipment must be sized to handle the maximum gas generation flow rate, per 40 CFR 60.769(c). [NSPS 40 CFR 60 Subpart XXX - Municipal Solid Waste Landfills That Commenced Construction, Reconstruction, or Modification After July 17, 2014]. [40 CFR 60.762(b)(2)(iii)]</p>	<p>Monitored by stack emission testing once initially. The owner or operator shall demonstrate compliance by the performance tests required in 40 CFR 60.762(b)(2)(iii)(A) and (B) using test methods in 40 CFR 60.764(d) for an enclosed flare or 40 CFR 60.764(e) for an open flare, as applicable. The initial performance test is to be completed no later than 180 days after the initial startup of the approved control system. [40 CFR 60.764(e)] and. [40 CFR 60.764(d)]</p>	<p>Recordkeeping by stack test results once initially. The owner or operator must keep up-to-date, readily accessible records for the life of the control system of the data in 40 CFR 60.768(b)(1) through (b)(5) as measured during the initial performance test or compliance demonstration. Records of subsequent tests or monitoring must be maintained for a minimum of 5 years. [40 CFR 60.768(b)]</p>	<p>Stack Test - Submit protocol, conduct test and submit results: Once initially. Submit the results of the performance tests, including associated fuel analyses required by 40 CFR 60.764(b) for a collection and control system or by 40 CFR 60.764(d) for an enclosed flare, electronically to Administrator, within 60 days after completing each test.</p> <p>For data collected using test methods supported by the EPA's Electronic Reporting Tool (ERT) as listed on the EPA's ERT Web site (https://www3.epa.gov/ttn/chief/ert/ert_info.1) at the time of the test, submit the results of the performance test to the EPA via CEDRI through the EPA's Central Data Exchange (CDX). For data collected using test methods that are not supported by the EPA's ERT as listed on the EPA's ERT Web site at the time of the test, submit the results of the performance test to the Administrator at the address listed in 40 CFR 60.4.</p> <p>If the reporting form specific to NSPS XXX is not available in CEDRI at the time that the report is due, the owner or operator must submit the report to the Administrator at the address listed in 40 CFR 60.4. Once the form has been available in CEDRI for 90 calendar days, the owner or operator must begin submitting all subsequent reports via CEDRI.</p> <p>The report shall include all the information required in 40 CFR 60.767(c)(4)(iii). [40 CFR 60.764(e)(1)(iii)]</p>

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
33	If the NMOC emission report shows the NMOC emissions \geq 34 megagrams per year (Mg/yr), the control device must be operated within the parameters established during the initial or most recent performance test. The operating parameters to be monitored are specified in 40 CFR 60.766(b) or (c). [NSPS 40 CFR 60 Subpart XXX - Municipal Solid Waste Landfills That Commenced Construction, Reconstruction, or Modification After July 17, 2014]. [40 CFR 60.762(b)(2)(iiiB2)]	Monitored by other method (provide description) at the approved frequency. The operating parameters to be monitored are specified in 40 CFR 60.766(b) or (c). [40 CFR 60.766]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. Records of subsequent tests or monitoring must be maintained for a minimum of 5 years. on-site records. [40 CFR 60.768(b)]	None.
34	If the NMOC emission report shows the NMOC emissions \geq 34 megagrams per year (Mg/yr), the collection and control system may be capped, removed or decommissioned if (A) a landfill is closed and a closure report has been submitted to the Administrator; (B) the collection system has been in operation a minimum of 15 years or the owner or operator demonstrates that the GCCS will be unable to operate for 15 years due to declining gas flow; and (C) the calculated NMOC emission rate based on the procedures specified in 40 CFR 60.764(b) is less than 34 megagrams per year on three successive test dates. [NSPS 40 CFR 60 Subpart XXX - Municipal Solid Waste Landfills That Commenced Construction, Reconstruction, or Modification After July 17, 2014]. [40 CFR 60.762(b)(2)(v)]	Monitored by calculations upon occurrence of event. The owner or operator must calculate the NMOC emission rate in accordance with 40 CFR 60.764(b) based on the measurements of the total flow rate and the average NMOC concentration. The test dates must be no less than 90 days apart, and no more than 180 days apart, per 40 CFR 60.762(b)(2)(v)(C). [40 CFR 60.764(b)]	None.	<p>Submit a report: Upon occurrence of event. The owner or operator of a controlled landfill must submit an equipment removal report 30 days prior to removal or cessation of operation of the control equipment. The equipment removal report must contain all of the following items described under 40 CFR 60.767(f)(1)(i) through (1)(iii), such as closure report; initial performance test report; and dated three successive NMOC rate reports.</p> <p>The Administrator may request such additional information as may be necessary to verify that all of the conditions for removal in 40 CFR 60.762(b)(2)(v) have been met. [40 CFR 60.767(f)]</p>

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
35	<p>If the NMOC emission report shows the NMOC emissions \geq 34 megagrams per year (Mg/yr), the collection system shall be operated 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. Each well or designed component must be placed as specified in the approved design plan as provided in 40 CFR 60.767(c). [NSPS 40 CFR 60 Subpart XXX - Municipal Solid Waste Landfills That Commenced Construction, Reconstruction, or Modification After July 17, 2014]. [40 CFR 60.763(a)]</p>	<p>Other: Each well must be installed no later than 60 days after the date on which the initial solid waste has been in place for a period of: (1) 5 years or more if active; or (2) 2 years or more if closed or at final grade. [40 CFR 60.765(b)].</p>	<p>Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The owner or operator must keep for at least 5 years up-to-date, readily accessible, on-site records of the collection and control system design plan, the current amount of solid waste in place, and the year-by-year waste acceptance rate.</p> <p>Off-site records may be maintained if they are retrievable within 4 hours. Either paper copy or electronic formats are acceptable. [40 CFR 60.768(a)]</p>	<p>Demonstrate compliance: As per the approved schedule.</p> <p>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 operate the collection system in accordance with an approved collection and control system design plan.</p> <p>If corrective actions cannot be fully implemented within 60 days following the positive pressure 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 positive pressure measurement. [40 CFR 60.767(c)]</p>

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
36	<p>If the NMOC emission report shows the NMOC emissions \geq 34 megagrams per year (Mg/yr), the owner or operator must 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. These records must be submitted with the required annual reports. (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.</p> <p>Per 40 CFR 60.765(a)(3), if a positive pressure exists, action must be initiated to correct the exceedance within 5 calendar days. Any attempted corrective measure must not cause exceedances of other operational or performance standards. [NSPS 40 CFR 60 Subpart XXX - Municipal Solid Waste Landfills That Commenced Construction, Reconstruction, or Modification After July 17, 2014]. [40 CFR 60.763(b)]</p>	<p>Monitored by pressure measurement device each month during operation. Measure the gauge pressure in the gas collection header applied to each individual well. [40 CFR 60.765(a)(3)] and [40 CFR 60.766(a)(1)]</p>	<p>Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The owner or operator must keep for at least 5 years up-to-date, readily accessible records of all collection and control system exceedances of the operational standards in 40 CFR 60.763, the reading in the subsequent month whether or not the second reading is an exceedance, and the location of each exceedance.</p> <p>Also, the owner or operator must keep record of instances when positive pressure occurs in efforts to avoid a fire.</p> <p>Per 40 CFR 60.768(e)(4), keep a record on 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 actions(s) not already completed, a schedule for implementation. [40 CFR 60.768(e)(1)]</p>	<p>Comply with the requirement: Upon occurrence of event. The owner or operator must conduct a root cause analysis and initiate the corrective actions and correct the exceedance as soon as practicable but no later than 60 days after positive pressure was first measured. The corrective actions and corresponding implementation timeline must be submitted to the Administrator as part of the next annual report. [40 CFR 60.767(j)] and. [40 CFR 60.765(a)(3)]</p>

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
37	<p>If the NMOC emission report shows the NMOC emissions \geq 34 megagrams per year (Mg/yr), operate each interior wellhead in the collection gas system with a landfill gas temperature less than 55 degrees Celsius.</p> <p>Per 40 CFR 60.765(a)(5), if a well exceeds the operating parameter for temperature, action must be initiated to correct the exceedance within 5 calendar days. Any attempted corrective measure must not cause exceedances of other operational or performance standards. [NSPS 40 CFR 60 Subpart XXX - Municipal Solid Waste Landfills That Commenced Construction, Reconstruction, or Modification After July 17, 2014]. [40 CFR 60.763(c)]</p>	<p>Monitored by temperature instrument each month during operation. Install a sampling port and a thermometer, other temperature measuring device, or an access port for temperature measurements at each wellhead. The temperature measuring device must be calibrated annually using the procedures in 40 CFR 60, Appendix A-1, Method 2, Section 10.3. [40 CFR 60.766(a)(3)]</p>	<p>Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The owner or operator must keep for at least 5 years up-to-date, readily accessible records of all collection and control system exceedances of the operational standards in 40 CFR 60.763, the reading in the subsequent month whether or not the second reading is an exceedance, and the location of each exceedance.</p> <p>The owner or operator 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.</p> <p>Per 40 CFR 60.768(e)(4), keep a record on 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 actions(s) not already completed, a schedule for implementation. [40 CFR 60.768(e)(2)]</p>	<p>Comply with the requirement: As per the approved schedule.</p> <p>If a landfill gas temperature less than 55 degrees Celsius cannot be achieved within 15 calendar days of the first measurement of landfill gas temperature greater than 55 degrees Celsius, 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 was first measured.</p> <p>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 55 degrees Celsius.</p> <p>The corrective actions and corresponding implementation timeline must be submitted to the Administrator as part of the next annual report. [40 CFR 60.767(j)] and. [40 CFR 60.765(a)(5)]</p>

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
38	If the NMOC emission report shows the NMOC emissions \geq 34 megagrams per year (Mg/yr), operate the system such that all collected gases are vented to a control system designed and operated in compliance with 40 CFR 60.762(b)(2)(iii). 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. [NSPS 40 CFR 60 Subpart XXX - Municipal Solid Waste Landfills That Commenced Construction, Reconstruction, or Modification After July 17, 2014]. [40 CFR 60.763(e)]	None.	None.	Comply with the requirement: Upon occurrence of event. 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 60.763(e)]
39	If the NMOC emission report shows the NMOC emissions \geq 34 megagrams per year (Mg/yr), operate the control system at all times when the collected gas is routed to the system. [NSPS 40 CFR 60 Subpart XXX - Municipal Solid Waste Landfills That Commenced Construction, Reconstruction, or Modification After July 17, 2014]. [40 CFR 60.763(f)]	None.	None.	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
40	<p>For the purpose of identifying whether excess air infiltration into the landfill is occurring, the owner or operator shall monitor each well monthly for temperature as provided in 40 CFR 60.763(c). If a well exceeds the operating parameter for temperature, action shall be initiated to correct the exceedance within 5 calendar days. Any attempted corrective measures shall not cause exceedances of other operational or performance standards.</p> <p>(i) If a landfill gas temperature less than 55 deg C cannot be achieved within 15 calendar days of the first measurement of landfill gas temperature greater than 55 deg C, the owner or operator must conduct a root cause analysis & correct the exceedance as soon as practicable, but no later than 60 days after a landfill gas temperature greater than 55 deg C was first measured. The owner or operator must keep records according to 40 CFR 60.768(e)(3).</p> <p>(ii) 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 & 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 greater than 55 deg C. The owner or operator must submit the items listed in 40 CFR 60.767(g)(7) as part of the next annual report. Continue to the next reference line. [40 CFR 60.765(a)(5)]</p>	None.	None.	None.

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41	continued from the previous reference line. The owner or operator must keep records according to 40 CFR 60.768(e)(4). (iii) 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 40 CFR 60.767(g)(7) and 40 CFR 60.767(j). The owner or operator must keep records according to 40 CFR 60.768(e)(5). [NSPS, 40 CFR Part 60, Subpart XXX - Standards of Performance for Municipal Solid Waste Landfills that commenced construction, reconstruction, or modification after July 2014]. [40 CFR 60.765(a)(5)]	None.	None.	None.
42	If the NMOC emission report shows the NMOC emissions \geq 34 megagrams per year (Mg/yr), the provisions of NSPS XXX apply at all times, including startup, shutdown or malfunction. During periods of startup, shutdown, and malfunction, the owner or operator must comply with the work practice specified in 40 CFR 60.763(e) (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) in lieu of the compliance provisions of 40 CFR 60.765. [NSPS 40 CFR 60 Subpart XXX - Municipal Solid Waste Landfills That Commenced Construction, Reconstruction, or Modification After July 17, 2014]. [40 CFR 60.765(e)]	None.	None.	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
43	<p>Each owner or operator seeking to comply with 40 CFR 60.762(b)(2)(ii)(C) for an active gas collection system shall install a sampling port and a thermometer, other temperature measuring device, or an access port for temperature measurements at each wellhead.</p> <p>(1) Measure the gauge pressure in the gas collection header on a monthly basis as provided in 40 CFR 60.765(a)(3); and</p> <p>(2) Monitor nitrogen or oxygen concentration in the landfill gas on a monthly basis as provided in 40 CFR 60.766(a)(2)(i through iii); and</p> <p>(3) Monitor temperature of the landfill gas on a monthly basis as provided in 40 CFR 60.765(a)(5). [40 CFR 60.766(a)]</p>	Other: Monitoring shall be performed on a monthly basis.[40 CFR 60.766(a)].	Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [40 CFR 60.766(a)]	None.
44	<p>If the NMOC emission report shows the NMOC emissions \geq 34 megagrams per year (Mg/yr), the owner or operator must monitor nitrogen or oxygen concentration in the landfill gas at each wellhead. [NPS 40 CFR 60 Subpart XXX - Municipal Solid Waste Landfills That Commenced Construction, Reconstruction, or Modification After July 17, 2014]. [40 CFR 60.766(a)(2)]</p>	<p>Monitored by periodic emission monitoring each month during operation. (i) The nitrogen level must be determined using Method 3C.</p> <p>(ii) The oxygen level must be determined by an oxygen meter using Method 3A, 3C, or ASTM D6522–11 (if sample location is prior to combustion)</p> <p>(iii) A portable gas composition analyzer may be used to monitor the oxygen levels provided:</p> <p>(A) The analyzer is calibrated; and (B) The analyzer meets all quality assurance and quality control requirements for Method 3A or ASTM D6522–11. [40 CFR 60.766(a)(2)]</p>	<p>Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The owner or operator must keep for at least 5 years up-to-date, readily accessible records of all collection and control system exceedances of the operational standards in 40 CFR 60.763, the reading in the subsequent month whether or not the second reading is an exceedance, and the location of each exceedance.</p> <p>The owner or operator 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. [40 CFR 60.768(e)(2)]</p>	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
45	Each owner or operator seeking to demonstrate compliance with 40 CFR 60.762(b)(2)(iii) using a landfill gas treatment system, shall provide information satisfactory to the Administrator as provided in 40 CFR 60.767(c)(2) describing the operation of the control device, the operating parameters that would indicate proper performance, and appropriate monitoring procedures. The Administrator shall review the information and either approve it, or request that additional information be submitted. The Administrator may specify additional appropriate monitoring procedures. [40 CFR 60.766(d)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system at the approved frequency. The permittee shall keep for 5 years up-to-date, readily accessible continuous records of the equipment operating parameters specified to be monitored for the landfill gas treatment system per 40 CFR 60.766. [40 CFR 60.768(c)]	Submit a plan: As per the approved schedule The permittee shall submit the collection and landfill gas treatment system design plan for review and approval to: Director, Clean Air and Sustainability Division, USEPA Region 2, 290 Broadway, 25th Floor, New York, NY 10007-1866, Attn: Chief, Permitting Section, Air Programs Branches, and copy to NJDEP. [40 CFR 60.762(b)(2)(i)]

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
46	For each cell in which the initial waste has been in place for more than 5 years, the owner or operator shall operate the collection system so that the methane concentration is less than 500 ppm above background at the surface of the landfill. To determine if this level is exceeded, the owner or operator shall conduct surface testing around the perimeter of the collection area, along a pattern that traverses the landfill at 30 m intervals, where visual observations indicate elevated concentrations of landfill gas, such as distressed vegetation & cracks or seeps in the cover & all cover penetrations. A surface monitoring design plan shall be developed that includes a topographical map with the monitoring route and the rationale for any site-specific deviations from the 30 m intervals. Areas with steep slopes or other dangerous areas may be excluded from the surface testing. Any reading of 500 ppm or more above background at any location shall be recorded as a monitored exceedance & the actions specified in §60.765(c)(4)(i) through (v) shall be taken. As long as the specified actions are taken, the exceedance is not a violation of §60.763(d). Any closed landfill that has no monitored exceedances of the operational standard in 3 consecutive quarterly monitoring periods may skip to annual monitoring. Any methane reading of 500 ppm or more above background detected during the annual monitoring returns the frequency for that landfill to quarterly monitoring. [40 CFR 60.763(d)] & [40 CFR 60.766(f)]	Other: The owner or operator must monitor surface concentrations of methane along the entire perimeter of the collection area and along a pattern that traverses the landfill at 30 meter intervals (or a site specific established spacing) for each collection area on a quarterly basis using an organic vapor analyzer, flame ionization detector, or other portable monitor meeting the specifications provided in 40 CFR 765(d). The background concentration must be determined by moving the probe inlet upwind and downwind outside the boundary of the landfill at a distance of at least 30 meters from the perimeter wells. Surface emission monitoring must be performed in accordance with section 8.3.1 of Method 21 of appendix A 40 CFR 60, except that the probe inlet must be placed within 5 to 10 centimeters of the ground. Monitoring must be performed during typical meteorological conditions. The owner or operator shall implement a program to monitor for cover integrity and implement cover repairs as necessary on a monthly basis.[40 CFR 60.765(c)].	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 of methane concentration in the collection system. The owner shall keep complete records (written or electronic) of the surface monitoring and of any corrective actions taken. The records shall include: 1) the date that each exceedance was first monitored, 2) the location of each monitored exceedance, 3) the monitored methane concentration, 4) description of all corrective actions taken to address each exceedance including the date, 5) the dates, location of the exceedance is re-monitored, and the re-monitored methane concentration. [40 CFR 60.768(c)]	Comply with the requirement: As per the approved schedule (i) The location of each monitored exceedance must be marked & the location & concentration recorded; (ii) Cover maintenance or adjustments to the vacuum of the adjacent wells to increase the gas collection in the vicinity of each exceedance must be made and the location must be remonitored within 10 calendar days of detecting the exceedance; (iii) If the remonitoring of the location shows a second exceedance, additional corrective action must be taken & the location must be monitored again within 10 days of the second exceedance. If the remonitoring shows a third exceedance for the same location, the action in (v) must be taken, & no further monitoring of that location is required until the action in (v) has been taken; (iv) Any location that initially showed an exceedance but has a methane concentration less than 500 ppm methane above background at the 10-day remonitoring specified in (ii) or (iii) must be remonitored 1 month from the initial exceedance. If the 1-month remonitoring shows a concentration less than 500 ppm above background, no further monitoring of that location is required until the next quarterly monitoring period. If the 1-month remonitoring shows an exceedance, the actions in (iii) or (v) must be taken; (v) For any location where monitored methane concentration equals or exceeds 500 ppm above background three times within a quarterly period, a new well or other collection device shall be install. [40 CFR 60.765(c)(4)]

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
47	<p>If the NMOC emission report shows the NMOC emissions \geq 34 megagrams per year (Mg/yr), the owner or operator shall submit to the Administrator the initial design capacity report. The initial design capacity report must contain information specified in 40 CFR 60.767(a)(2)</p> <p>Per 40 CFR 60.767(b)(1)(i), the initial NMOC emission rate report may be combined with the initial design capacity report required in 40 CFR 60.767(a). [NSPS 40 CFR 60 Subpart XXX - Municipal Solid Waste Landfills That Commenced Construction, Reconstruction, or Modification After July 17, 2014]. [40 CFR 60.767(a)]</p>	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system annually. The owner or operator must keep readily accessible, on-site records of the annual recalculation of site specific density, design capacity, and the supporting documentation. Off-site records may be maintained if they are retrievable within 4 hours. Either paper copy or electronic formats are acceptable. [40 CFR 60.767(a)(2)(ii)]	<p>Submit a report: Once initially to the Administrator by November 28, 2016 for landfills that commenced construction, modification, or reconstruction before August 29, 2016 or ninety days after the date of commenced construction, modification, or reconstruction for landfills that commence construction, modification, or reconstruction after August 29, 2016.</p> <p>The Salem County Solid Waste Facility's design capacity report was submitted on November 11, 2016. [40 CFR 60.767(a)(1)]</p>

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
48	<p>The owner or operator shall submit to the Administrator a non-methane organic compounds (NMOC) emission rate report initially and annually thereafter. The emission rate report must contain an annual or 5-year estimate of the NMOC emission rate calculated using the formula and procedures provided in 40 CFR 60.764(a) or (b), as applicable. The Administrator may request such additional information as may be necessary to verify the reported NMOC emission rate.</p> <p>Per 40 CFR 60.767(b)(1)(i), the initial NMOC emission rate report may be combined with the initial design capacity report required in 40 CFR 60.767(a). [40 CFR 60.767(b)]</p>	Monitored by calculations annually. The NMOC mass emission rate shall be recalculated annually, except as provided in 40 CFR 60.767(b)(1)(ii). [40 CFR 60.764(a)(1)]	Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [40 CFR 60.764(a)]	<p>Submit a report: Annually. Submit an initial NMOC mass emission rate report electronically to the Administrator by November 28, 2016 for landfills that commenced construction, modification, or reconstruction before August 29, 2016; or ninety days after the date of commenced construction, modification, or reconstruction for landfills that commence construction, modification, or reconstruction after August 29, 2016. Subsequent NMOC reports shall be submitted annually thereafter. The reports shall be submitted to the EPA via CEDRI through the EPA's Central Data Exchange (CDX).</p> <p>If the reporting form specific to NSPS XXX is not available in CEDRI at the time that the report is due, the owner or operator must submit the report to the Administrator at the address listed in 40 CFR 60.4. Once the form has been available in CEDRI for 90 calendar days, the owner or operator must begin submitting all subsequent reports via CEDRI.</p> <p>The report is no longer required after the owner or operator installs and operates in compliance with 40 CFR 60.763 and 60.765, a collection and control system that complies with 40 CFR 60.762(b)(2). [40 CFR 60.767(b)]</p>

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
49	Each owner or operator subject to the requirements of NSPS XXX subpart is exempted from the requirements to submit an NMOC emission rate report, after the installation of a collection and control system in compliance with 40 CFR 60.762(b)(2), during such time as the collection and control system is in operation and in compliance with 40 CFR 60.763 and 40 CFR 60.765. [NSPS, 40 CFR Part 60, Subpart XXX - Standards of Performance for Municipal Solid Waste Landfills that commenced construction, reconstruction, or modification after July 2014]. [40 CFR 60.767(b)(3)]	Monitored by calculations once initially and annually. [40 CFR 60.767(b)(1)]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. [40 CFR 60.767(b)]	Submit a report: As per the approved schedule to the Administrator within Ninety days after the date of commenced construction, modification, or reconstruction for landfills that commence construction, modification, or reconstruction on or after August 29, 2016. [40 CFR 60.b(1)(i)(B)]
50	The owner or operator of a controlled landfill must submit a closure report within 30 days of waste acceptance cessation. If a closure report has been submitted to the Administrator, no additional wastes may be placed into the landfill without filling a notification of modification as described under 40 CFR 60.7(a)(4). [NSPS 40 CFR 60 Subpart XXX - Municipal Solid Waste Landfills That Commenced Construction, Reconstruction, or Modification After July 17, 2014]. [40 CFR 60.767(e)]	None.	None.	Submit a report: Upon occurrence of event to the Administrator within 30 days of waste acceptance cessation. [40 CFR 60.767(e)]

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
51	<p>If the NMOC emission report shows the NMOC emissions \geq 34 megagrams per year (Mg/yr), the owner or operator of a controlled landfill must submit an annual report to the Administrator.</p> <p>For enclosed combustion devices and flares, reportable exceedances are defined under 40 CFR 60.768(c) as follows: 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 40 CFR 60.762(b)(2)(iii) was determined. If the reporting form specific to NSPS XXX is not available in CEDRI at the time that the report is due, the owner or operator must submit the report to the Administrator at the address listed in 40 CFR 60.4. Once the form has been available in CEDRI for 90 calendar days, the owner or operator must begin submitting all subsequent reports via CEDRI. [NSPS 40 CFR 60 Subpart XXX - Municipal Solid Waste Landfills That Commenced Construction, Reconstruction, or Modification After July 17, 2014]. [40 CFR 60.767(g)]</p>	None.	None.	<p>Submit a report: Annually. Submit an annual report electronically to Administrator. The initial annual report must be submitted within 180 days of installation and startup of the collection and control system and must include the initial performance test report required under 40 CFR 60.8 and 40 CFR 60.767(h), as applicable. The reports shall be submitted to the EPA via CEDRI through the EPA's Central Data Exchange (CDX). The report shall include all the information required in 40 CFR 60.767(g)(1) through (g)(7):</p> <p>(1) Value and length of time for exceedance of applicable parameters monitored under 40 CFR 60.766(a), (b), (c), (d), and (g).</p> <p>(2) Description and duration of all periods when the gas stream was diverted from the control device or treatment system.</p> <p>(3) Description and duration of all periods when the control device or treatment system was not operating.</p> <p>(4) All periods when the collection system was not operating.</p> <p>(5) The location and concentration of each exceedance of the 500 parts per million methane concentration as provided in 40 CFR 60.763(d).</p> <p>(6) The date of installation and the location of each well or collection system expansion added.</p> <p>(7) For any corrective action analysis for which corrective actions take more than 60 days, the root cause analysis conducted, and, for action(s) not already completed, a schedule for implementation. [40 CFR 60.767(g)]</p>

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
52	<p>If the NMOC emission report shows the NMOC emissions \geq 34 megagrams per year (Mg/yr), each owner or operator seeking to comply with 40 CFR 60.762(b)(2)(iii) must include the following information with the initial performance test report required under 40 CFR 60.8:</p> <p>(1) A diagram of the collection system showing collection system positioning including all wells, horizontal collectors, surface collectors, or other gas extraction devices, including the locations of any areas excluded from collection and the proposed sites for the future collection system expansion;</p> <p>(2) The data upon which the sufficient density of wells, horizontal collectors, surface collectors, or other gas extraction devices and the gas mover equipment sizing are based;</p> <p>(3) The documentation of the presence of asbestos or nondegradable material for each area from which collection wells have been excluded based on the presence of asbestos or nondegradable material;</p> <p>(4) The sum of the gas generation flow rates for all areas from which collection wells have been excluded based on nonproductivity and the calculations of gas generation flow rate for each excluded area; and</p> <p>(5) The provisions for increasing gas mover equipment capacity with increased gas generation flow rate, if the present gas mover equipment is inadequate to move the maximum flow rate expected over the life of the landfill; and</p> <p>(6) The provisions for the control of off-site migration. [40 CFR 60.767(h)]</p>	None.	None.	Submit a report: As per the approved schedule. [40 CFR 60.767(h)]

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
53	If the NMOC emission report shows the NMOC emissions \geq 34 megagrams per year (Mg/yr), the owner or operator that has employed leachate recirculation within the last 10 years must submit information required in 40 CFR 60.767(k)(1) through (6) on an annual basis. [NSPS 40 CFR 60 Subpart XXX - Municipal Solid Waste Landfills That Commenced Construction, Reconstruction, or Modification After July 17, 2014]. [40 CFR 60.767(k)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system annually. The owner or operator must keep records of any engineering calculations or company records used to estimate the quantities of leachate or liquids added, the surface areas for which the leachate or liquids were applied, and the estimates of annual waste acceptance or total waste in place in the areas where leachate or liquids were applied. [40 CFR 60.768(j)]	Submit a report: Annually. The initial annual report must be submitted to the Administrator no later than September 28, 2017 for landfills that commenced construction, modification, or reconstruction before August 29, 2016 or no later than 13 months after the date construction, modification, or reconstruction. Subsequent reports must be submitted no later than 365 days after the date of the previous report submittal. The reports shall be submitted to the EPA via CEDRI through the EPA's Central Data Exchange (CDX). The initial report must contain data for the initial annual reporting period as well as for each of the previous 10 years. All reports must include information in 40 CFR 60.767(k)(1) through (6) including: volume of leachate recirculated; total volume of all other liquids added; surface area over which the leachate and/or other liquids are applied; the total waste disposed and the annual waste acceptance in the areas with recirculated leachate and/or added liquids. If the reporting form specific to NSPS XXX is not available in CEDRI at the time that the report is due, the owner or operator must submit the report to the Administrator at the address listed in 40 CFR 60.4. Once the form has been available in CEDRI for 90 calendar days, the owner or operator must begin submitting all subsequent reports via CEDRI. [40 CFR 60.767(k)]
54	No owner or operator subject to the provisions of 40 CFR 63 must 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. [40 CFR 63.4(a)]	None.	None.	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
55	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; and (2) the use of gaseous diluents to achieve compliance with a relevant standard for visible emissions. [40 CFR 63.4(b)]	None.	None.	None.
56	The owner or operator must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require the owner or operator to make any further efforts to reduce emissions if the requirements of this subpart have been achieved. [40 CFR 63.1955(c)]	None.	None.	None.
57	Existing affected sources and area sources must comply with the requirements of 40 CFR 63, Subpart A (General Provisions) and 40 CFR 63, Subpart AAAAA (National Emission Standards for Hazardous Air Pollutants for Municipal Solid Waste Landfills) by January 16, 2004. [40 CFR 63.1945(f)] and [40 CFR 63.1955(b)]	None.	None.	None.

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
58	<p>For the purposes of the landfill monitoring, deviations (as defined in 40 CFR 63.1990) include the items in paragraphs (a) of this section.</p> <p>(a) A deviation occurs when the control device operating parameter boundaries in 40 CFR 63.1983(c)(1) are exceeded.</p> <p>(b) A deviation occurs when 1 hour or more of the hours during the 3-hour block averaging period (refer to 40 CFR 63.1975) 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. [40 CFR 63.1965]</p>	None.	None.	Submit a report: As per the approved schedule. [40 CFR 63.1981(h)]

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New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: U10 Municipal Solid Waste Landfill (w/o Enclosed Flare that is included in PI 75697, Cumberland Cnty Gas to Energy Plant) Subject to NSPS
 XXX & MACT AAAA

Operating Scenario: OS1 Municipal Solid Waste Landfill with Enclosed Flare

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	VOC (Total) <= 2.4 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
2	Acrylonitrile <= 0.0002 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	Benzene <= 0.0063 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Dichlorobenzene (1,4-) <= 0.0197 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	Dichloroethane (1,2-) <= 0.001 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Ethylbenzene <= 0.0602 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	Ethylene dibromide <= 0.0007 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Ethylidene dichloride <= 0.0061 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Hydrogen sulfide <= 1.2788 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
10	Tetrachloroethane (1,1,2,2-) <= 0.001 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
11	Trichloroethylene <= 0.0075 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

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New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: U13 4.37 MMBtu/hr, 400 kW diesel emergency generator (E13), Installed after 2007, Subject to NSPS Subpart A and Subpart IIII, U14 4.37 MMBtu/hr, 400 kW diesel emergency generator (E14), Installed after 2007, Subject to NSPS Subpart A and Subpart IIII

Operating Scenario: OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Summary of Applicable Federal Regulations: 40 CFR 60, NSPS Subpart A 40 CFR 60, NAPS Subpart IIII. [40 CFR Federal Rules Summary]	None.	None.	None.
2	Opacity <= 20 % , exclusive of visible condensed water vapor, except for a period of not longer than 10 consecutive seconds. [N.J.A.C. 7:27- 3.5]	None.	None.	None.
3	Particulate Emissions <= 2.62 lb/hr Particulate emission limit from the combustion of fuel based on the rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
4	Sulfur Content in Fuel <= 0.0015 % by weight. Maximum allowable sulfur content in No. 2 fuel oil, diesel fuel or kerosene shall be no more than 15 ppm (0.0015% by wt.). [N.J.A.C. 7:27- 9.2(b)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery. [N.J.A.C. 7:27-22.16(o)]	Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing sulfur content. [N.J.A.C. 7:27-22.16(o)]	None.

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

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

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
6	<p>This emergency generator shall not be used:</p> <p>1. For normal testing and maintenance on days when the Department forecasts air quality anywhere in New Jersey to be "unhealthy for sensitive groups," "unhealthy," or "very unhealthy" as defined in the EPA's Air Quality Index at http://airnow.gov/, as supplemented or amended and incorporated herein by reference, unless required in writing by a Federal or State law or regulation. Procedures for determining the air quality forecasts for New Jersey are available at the Department's air quality permitting web site at https://dep.nj.gov/boss/air-quality-forecast-fc and</p> <p>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)]</p>	None.	None.	None.
7	Maximum Gross Heat Input \leq 4.37 MMBTU/hr (HHV) based on 31.9 gallons per hour fuel usage and heat content of 19,300 Btu/lb for diesel fuel from operating permit Significant Modification BOP080001. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by Engine rated capacity.[N.J.A.C. 7:27-22.16(o)].	Other: Retain records of engine rated capacity.[N.J.A.C. 7:27-22.16(o)].	None.
8	VOC (Total) \leq 0.01 tons/yr. Maximum annual emission limit based on permitted hours of operation for testing and maintenance. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	NOx (Total) \leq 0.13 tons/yr. Maximum annual emission limit based on permitted hours of operation for testing and maintenance. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

U13 4.37 MMBtu/hr, 400 kW diesel emergency generator (E13), Installed aft

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
10	CO <= 0.05 tons/yr. Maximum annual emission limit based on permitted hours of operation for testing and maintenance. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
11	SO ₂ : below reporting threshold. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
12	TSP <= 0.01 tons/yr. Maximum annual emission limit based on permitted hours of operation for testing and maintenance. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
13	PM-10 (Total) <= 0.01 tons/yr. Maximum annual emission limit based on permitted hours of operation for testing and maintenance. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
14	The owner or operator shall keep records of engine manufacturer data for the life of the equipment showing the rated Maximum Gross Heat Input, Maximum Rated Power Output, Model Year and Displacement. [N.J.A.C. 7:27-22.16(a)]	None.	Other: The owner or operator shall keep records of engine manufacturer data for the life of the equipment showing the rated Maximum Gross Heat Input, Maximum Rated Power Output, Model Year and Displacement. [N.J.A.C. 7:27-22.16(o)].	None.
15	Generator fuel limited to No. 2 fuel oil or diesel fuel. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
16	Hours of Operation <= 100 hr/yr for normal testing and maintenance only. [N.J.A.C. 7:27-22.16(a)]	Hours of Operation: Monitored by hour/time monitor upon occurrence of event. [N.J.A.C. 7:27-22.16(o)]	Hours of Operation: Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The owner or operator shall maintain on site and record the following information: For each time the emergency generator is specifically operated for testing or maintenance: i. The reason for its operation; ii. The date(s) of operation and the start up and shut down time; iii. The total operating time for testing or maintenance based on the generator's hour meter; and iv. The name of the operator. [N.J.A.C. 7:27-19.11]	None.

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
17	The owner or operator shall submit an annual statement certified in accordance with N.J.A.C. 7:27-1.39 and signed by the responsible official, as defined at N.J.A.C. 7:27-1.4. The Responsible Official shall certify annually that the emergency generator is operated as defined in this permit. [N.J.A.C. 7:27-22.1]	None.	None.	None.
18	All requests, reports, applications, submittals, and other communications to the Administrator pursuant to Part 60 shall be submitted in duplicate to the Regional Office of US Environmental Protection Agency. Submit information to: Director, Division of Enforcement and Compliance Assistance, US EPA, Region 2, 290 Broadway, New York, NY 10007-1866 (NSPS Subpart A). [40 CFR 60.4(a)]	None.	None.	Submit a report: As per the approved schedule to EPA Region 2 as required by 40 CFR 60. [40 CFR 60.4(a)]
19	Copies of all information submitted to EPA pursuant to 40 CFR Part 60, must also be submitted to the appropriate Regional Enforcement Office of NJDEP (NSPS Subpart A). [40 CFR 60.4(b)]	None.	None.	Submit a report: As per the approved schedule to the appropriate Regional Enforcement Office of NJDEP as required by 40 CFR 60. [40 CFR 60.4(b)]
20	No owner or operator subject to NSPS standards in Part 60, shall build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere (NSPS Subpart A). [40 CFR 60.12]	None.	None.	None.

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
21	The owner or operator shall notify the Administrator of the proposed replacement of components (NSPS Subpart A). [40 CFR 60.15]	None.	None.	Submit notification: At a common schedule agreed upon by the operator and the Administrator. The notification shall include information listed under 40 CFR Part 60.15(d). The notification shall be postmarked 60 days (or as soon as practicable) before construction of the replacements is commenced. [40 CFR 60.15(d)]
22	The owner or operator shall be subject to the notification and reporting requirements per 40 CFR part 60.19. Changes in time periods for submittal of information and postmark deadlines set forth in this subpart, may be made only upon approval by the Administrator and shall follow procedures outlined in 40 CFR Part 60.19 (NSPS Subpart A). [40 CFR 60.19]	None.	None.	None.
23	The owner or operator of a 2007 model year and later emergency generator with a displacement of < 10 liters per cylinder and a maximum engine power ≥ 37 kW (HP ≥ 50) and no greater than 3,000HP ($\leq 2,237$ kW) must comply with the certification emissions standards in 40 CFR 89.112 and smoke standards in 40 CFR 89.113 for the same model year and maximum engine power as follows: NMHC + NO _x ≤ 4 g/kW-hr, CO ≤ 3.5 g/kW-hr, PM ≤ 0.2 g/kW-hr, weighted average emissions as defined in 40 CFR 89.404. [NSPS, Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines]. [40 CFR 60.4205(b)]	None.	Other: The owner or operator of a 2007 model year or later engine must keep manufacturer certification showing compliance with the applicable emission standards, for the same model year and maximum engine power. [40 CFR 60.4211].	None.

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
24	Owners and operators of stationary CI internal combustion engines must operate and maintain stationary CI ICE that achieve the emission standards as required in 40 CFR 60.4204 and 60.4205 over the entire life of the engine. [NSPS, Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines]. [40 CFR 60.4206]	None.	Other: The owner or operator shall keep the manufacturer's emission-related written instructions over the entire life of the engine.[40 CFR 60.4206].	None.
25	Beginning October 1, 2010, the CI internal combustion engines with a displacement of less than 30 liters per cylinder subject to NSPS IIII (manufactured after April 1, 2006 or modified or reconstructed after July 11, 2005) that use diesel fuel must use diesel fuel that meets the requirements of 40 CFR 80.510(b) that contains the following per gallon standards: 15 ppm (0.0015 percent) maximum sulfur content and either a minimum cetane index of 40 or a maximum aromatic content of 35 volume percent, except that any existing diesel fuel purchased (or otherwise obtained) prior to October 1, 2010, may be used until depleted. [NSPS, Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines]. [40 CFR 60.4207(b)]	Monitored by review of fuel delivery records once per bulk fuel shipment. For each diesel delivery received, the owner or operator shall review written documentation of the delivery to ensure the maximum allowable fuel oil sulfur content and either a minimum cetane index or a maximum aromatic content is not being exceeded. Such written documentation can include, but is not limited to: bill of lading, delivery invoice, certificate of analysis. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by invoices / bills of lading / certificate of analysis once per bulk fuel shipment. The owner or operator shall keep records of fuel showing oil sulfur content and either a minimum cetane index or a maximum aromatic content for each delivery received. All records must be maintained for a minimum of 2 years following the date of such records per 40 CFR 60.7(f). [N.J.A.C. 7:27-22.16(o)]	None.

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
26	The owner or operator that must comply with the emission standards specified in NSPS IIII must operate and maintain the stationary CI internal combustion engine and control device, except as permitted under 40 CFR 60.4211(g), according to the manufacturer's emission-related written instructions. In addition, owners and operators may only change emission-related settings that are permitted by the manufacturer. The owner or operator must also meet the requirements of 40 CFR parts 89, 94 and/or 1068, as applicable. [NSPS, Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines]. [40 CFR 60.4211(a)]	None.	Other: The owner or operator shall keep the manufacturer's emission-related written instructions.[40 CFR 60.4211].	None.
27	The owner or operator of a 2007 model year and later stationary CI internal combustion engine complying with the emission standards specified in 40 CFR 60.4205(b), must comply by purchasing an engine certified to the emission standards in 40 CFR 60.4205(b), for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's emission-related specifications. [NSPS, Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines]. [40 CFR 60.4211(c)]	None.	Other: The owner or operator must keep documentation from the manufacturer, for the life of the equipment, that the engine is certified to meet the emission standards as applicable, for the same model year and maximum engine power. If the engine and control device is not installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions, or emission-related settings are changed in a way that is not permitted by the manufacturer, the owner or operator must demonstrate compliance as prescribed at 40 CFR 60.4211(g)(1), (2) or (3) depending on the maximum engine power. [40 CFR 60.4211(c)].	None.

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

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

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

Emission Unit: U13 4.37 MMBtu/hr, 400 kW diesel emergency generator (E13), Installed after 2007, Subject to NSPS Subpart A and Subpart IIII

Operating Scenario: OS1 400 kW diesel emergency generator

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	VOC (Total) <= 0.126 lb/hr. Maximum annual emission limit based on manufacturer recommended emission factor . [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
2	NOx (Total) <= 2.66 lb/hr. Maximum annual emission limit based on manufacturer recommended emission factor . [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	CO <= 1.027 lb/hr. Maximum annual emission limit based on manufacturer recommended emission factor . [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	SO2: below reporting threshold. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	TSP <= 0.136 lb/hr. Maximum annual emission limit based on manufacturer recommended emission factor . [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	PM-10 (Total) <= 0.136 lb/hr. Maximum annual emission limit based on manufacturer recommended emission factor . [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

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Facility Specific Requirements**

Emission Unit: U14 4.37 MMBtu/hr, 400 kW diesel emergency generator (E14), Installed after 2007, Subject to NSPS Subpart A and Subpart IIII

Operating Scenario: OS1 400 kW diesel emergency generator

The requirements for this item are identical to those for: U13 OS1

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New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: U16 Storage & Fleet Maintenance Bldg. Diesel Emergency Genset, U17 CNG Filling Station Diesel Emergency Genset, U18 Blower Building Diesel Emergency Genset

Operating Scenario: OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Summary of Applicable Federal Regulations: 40 CFR 60, NAPS Subpart IIII 40 CFR 63, MACT ZZZZ. [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 emission limit from the combustion of fuel based on the rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
4	Sulfur Content in Fuel <= 15 ppmw. [N.J.A.C. 7:27- 9.2]	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 manual logging of parameter or storing data in a computer data system per delivery. The permittee shall maintain in a permanent bound log book the fuel oil delivery records verifying that #2 Fuel Oil is compliant. All records shall be maintained on-site for a minimum of 5 years. [N.J.A.C. 7:27-22.16(o)]	None.

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
5	<p>The emergency generator shall be located at the facility and produce mechanical or thermal energy, or electrical power exclusively for use at the facility. The equipment specified in the permit shall be operated only under the following situations:</p> <p>(a) During the performance of normal testing and maintenance procedures, as recommended in writing by the manufacturer and/or as required in writing by a Federal or State law or regulation.</p> <p>(b) When there is a power outage or the facility's primary source of mechanical or thermal energy fails because of an emergency; or</p> <p>(c) When there is a voltage reduction issued by PJM Interconnection, LLC (PJM) and posted on the PJM internet website (www.pjm.com) under the "Emergency Procedures" menu. [N.J.A.C. 7:27-19.1]</p>	<p>Hours of Operation: Monitor by hour/time monitor continuously. Permittee shall install and operate a totalizing, non-resettable hour meter monitoring the total hours of operation per year for each generator.</p> <p>Monitored by hour/time monitor continuously. [N.J.A.C. 7:27-22.16(o)]</p>	<p>The owner or operator of an emergency generator shall record in a logbook or computer data system, the following information for each emergency generator:</p> <p>(a) Total operating time from the emergency generator's hour meter, once per month;</p> <p>(b) If a voltage reduction is the reason for use of the emergency generator, a copy of the voltage reduction notification from PJM or other documentation of the voltage reduction, upon occurrence of event; and</p> <p>(c) If testing or maintenance is the reason for the operation of the emergency generator, the Permittee shall record the following upon occurrence of event:</p> <ol style="list-style-type: none"> 1.The reason for its operation. 2.The date(s) of operation and the start-up and shutdown time; 3.The total operating time for testing or maintenance based on the emergency generator's hour meter; and 4.The name of the operator. 5.The monthly hours of operation during emergency periods shall be maintained. <p>The owner or operator of an emergency generator shall maintain the records on site for a period of no less than five years after the record was made and shall make the records readily available to the Department or the EPA, upon request. Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. [N.J.A.C. 7:27-19.11]</p>	None.

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
6	<p>Emergency generators shall not be used:</p> <p>1. In a circumstance other than an emergency; 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" or "hazardous" 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 air quality web site at https://dep.nj.gov/boss/air-quality-forecast-fc and</p> <p>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)]</p>	Other: The Permittee shall check the air quality forecast for New Jersey available at the Department air quality website at https://dep.nj.gov/boss/air-quality-forecast prior to operating during testing and maintenance periods. [N.J.A.C. 7:27-22.16(o)].	None.	Submit a report: Upon occurrence of event The permittee shall report any non-compliance in writing within 3 working days after the event to the Regional Enforcement Office. [N.J.A.C. 7:27-22.16(o)]
7	CO <= 0.08 tons/yr for each emergency generator. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	NOx (Total) <= 0.18 tons/yr for each emergency generator. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	VOC (Total) <= 0.01 tons/yr for each emergency generator. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
10	TSP <= 0.006 tons/yr for each emergency generator. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
11	PM-10 (Total) <= 0.006 tons/yr for each emergency generator. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
12	PM-2.5 (Total) <= 0.006 tons/yr for each emergency generator. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
13	HAPs (Total): <= below reporting threshold for each emergency generator. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
14	Maximum Gross Heat Input <= 4.295 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by Engine rated capacity.[N.J.A.C. 7:27-22.16(o)].	Other: Retain records of engine rated capacity.[N.J.A.C. 7:27-22.16(o)].	None.
15	Hours of Operation <= 100 hr/yr for testing and maintenance only. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
16	The owner or operator shall keep records of engine manufacturer data for the life of the equipment showing the rated Maximum Gross Heat Input, Maximum Rated Power Output, Model Year and Displacement. [N.J.A.C. 7:27-22.16(a)]	None.	Other: The owner or operator shall keep records of engine manufacturer data for the life of the equipment showing the rated Maximum Gross Heat Input, Maximum Rated Power Output, Model Year and Displacement. [N.J.A.C. 7:27-22.16(o)].	None.
17	Generator fuel limited to diesel fuel. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
18	The owner or operator shall submit an annual statement certified in accordance with N.J.A.C. 7:27-1.39 and signed by the responsible official, as defined at N.J.A.C. 7:27-1.4. The Responsible Official shall certify annually that the emergency generator is operated as defined in this permit. [N.J.A.C. 7:27-22.1]	None.	None.	None.
19	All requests, reports, applications, submittals, and other communications to the Administrator pursuant to Part 60 shall be submitted in duplicate to the Regional Office of US Environmental Protection Agency. Submit information to: Director, Division of Enforcement & Compliance Assistance, US EPA, Region 2, 290 Broadway, New York, NY 10007-1866. [40 CFR 60.4(a)]	None.	None.	Submit a report: As per the approved schedule to EPA Region 2 as required by 40 CFR 60. [40 CFR 60.4(a)]
20	Copies of all information submitted to EPA pursuant to 40 CFR Part 60, must also be submitted to the appropriate Regional Enforcement Office of NJDEP. [40 CFR 60.4(b)]	None.	None.	Submit a report: As per the approved schedule to the appropriate Regional Enforcement Office of NJDEP as required by 40 CFR 60. [40 CFR 60.4(b)]

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
21	The owner or operator subject to the provisions of 40 CFR Part 60 shall furnish the Administrator written notification or, if acceptable to both the Administrator and the owner or operator of a source, electronic notification, of the date of construction or reconstruction of an affected facility as defined under 40 CFR Part 60 Subpart A. Notification shall be postmarked no later than 30 days after such date. [40 CFR 60.7(a)(1)]	None.	None.	Submit notification: Upon occurrence of event to EPA Region 2 and the appropriate Regional Enforcement Office of NJDEP as required by 40 CFR 60.7 [40 CFR 60.7(a)(1)]
22	The owner or operator subject to the provisions of 40 CFR Part 60 shall furnish the Administrator written notification or, if acceptable to both the Administrator and the owner or operator of a source, electronic notification, of the actual date of initial startup of an affected facility postmarked within 15 days after such date. [40 CFR 60.7(a)(3)]	None.	None.	Submit notification: Upon occurrence of event to EPA Region 2 and the appropriate Regional Enforcement Office of NJDEP as required by 40 CFR 60.7 [40 CFR 60.7(a)(3)]

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
23	The owner or operator subject to the provisions of 40 CFR Part 60 shall furnish the Administrator written notification or, if acceptable to both the Administrator and the owner or operator of a source, electronic notification, of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless that change is specifically exempted under an applicable subpart or in 40 CFR 60.14(e). The notification shall include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of facility before and after the change and the expected completion date of the change. Notification shall be postmarked within 60 days or as soon as practicable before any change is commenced. The Administrator may request additional relevant information subsequent to this notice. [40 CFR 60.7(a)(4)]	None.	None.	Submit notification: Upon occurrence of event to EPA Region 2 and the appropriate Regional Enforcement Office of NJDEP as required by 40 CFR 60.7 [40 CFR 60.7(a)(4)]
24	No owner or operator subject to NSPS standards in Part 60, shall build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere. [40 CFR 60.12]	None.	None.	None.

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
25	The owner or operator shall notify the Administrator of the proposed replacement of components (NSPS Subpart A). [40 CFR 60.15]	None.	None.	Submit notification: At a common schedule agreed upon by the operator and the Administrator. The notification shall include information listed under 40 CFR Part 60.15(d). The notification shall be postmarked 60 days (or as soon as practicable) before construction of the replacements is commenced. [40 CFR 60.15(d)]
26	The owner or operator shall be subject to the notification and reporting requirements per 40 CFR part 60.19. Changes in time periods for submittal of information and postmark deadlines set forth in this subpart, may be made only upon approval by the Administrator and shall follow procedures outlined in 40 CFR Part 60.19 (NSPS Subpart A). [40 CFR 60.19]	None.	None.	None.
27	Beginning October 1, 2010, the CI internal combustion engines with a displacement of less than 30 liters per cylinder subject to NSPS IIII (manufactured after April 1, 2006 or modified or reconstructed after July 11, 2005) that use diesel fuel must use diesel fuel that meets the requirements of 40 CFR 80.510(b) that contains the following per gallon standards: 15 ppm (0.0015 percent) maximum sulfur content and either a minimum cetane index of 40 or a maximum aromatic content of 35 volume percent, except that any existing diesel fuel purchased (or otherwise obtained) prior to October 1, 2010, may be used until depleted (NSPS Subpart IIII). [40 CFR 60.4207(b)]	Monitored by review of fuel delivery records once per bulk fuel shipment. For each diesel delivery received, the owner or operator shall review written documentation of the delivery to ensure the maximum allowable fuel oil sulfur content and either a minimum cetane index or a maximum aromatic content is not being exceeded. Such written documentation can include, but is not limited to: bill of lading, delivery invoice, certificate of analysis. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by invoices / bills of lading / certificate of analysis once per bulk fuel shipment. The owner or operator shall keep records of fuel showing oil sulfur content and either a minimum cetane index or a maximum aromatic content for each delivery received. All records must be maintained for a minimum of 2 years following the date of such records per 40 CFR 60.7(f). [N.J.A.C. 7:27-22.16(o)]	None.

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
28	The owner or operator that must comply with the emission standards specified in NSPS IIII must operate and maintain the stationary CI internal combustion engine and control device, except as permitted under 40 CFR 60.4211(g), according to the manufacturer's emission-related written instructions. In addition, owners and operators may only change emission-related settings that are permitted by the manufacturer. The owner or operator must also meet the requirements of 40 CFR parts 89, 94 and/or 1068, as applicable (NSPS Subpart IIII). [40 CFR 60.4211(a)]	None.	Other: The owner or operator shall keep the manufacturer's emission-related written instructions.[40 CFR 60.4211].	None.
29	Emergency generators may be operated for the purpose of maintenance checks and readiness testing limited to 100 hours per year, provided that those tests are recommended by Federal, State, or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Anyone may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency ICE beyond 100 hours per year (NSPS Subpart IIII). [40 CFR 60.4211(f)]	Monitored by hour/time monitor continuously. The owner or operator of an emergency stationary internal combustion engine that does not meet the standards applicable to non-emergency engines must install a non-resettable hour meter prior to startup of the engine. [40 CFR 60.4209(a)]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The owner or operator must record the time of operation of the emergency engine and the reason the engine was in operation during that time. Starting with the model year 2011, 2012, or 2013, depending on the maximum engine power as provided in Table 5 in NSPS IIII, the owner or operator must keep records of the operation of the engine in emergency and non-emergency service that are recorded through the non-resettable hour meter if the emergency engine does not meet the standards in 40 CFR 60.4204, applicable to non-emergency engines, in the applicable model year. The emergency engine must comply with the labeling requirements in 40 CFR 60.4210(f). [40 CFR 60.4214(b)]	None.

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
30	The owner or operator of a 2007 model year and later emergency generator with a displacement of < 10 liters per cylinder and a maximum engine power ≥ 37 kW (HP ≥ 50) and no greater than 3,000HP ($\leq 2,237$ kW) must comply with the certification emissions standards in 40 CFR 89.112 and smoke standards in 40 CFR 89.113 for the same model year and maximum engine power as follows: NMHC + NO _x ≤ 4 g/kW-hr, CO ≤ 3.5 g/kW-hr, PM ≤ 0.2 g/kW-hr, weighted average emissions as defined in 40 CFR 89.404. (NSPS Subpart IIII). [40 CFR 60.4205(b)]	None.	Other: The owner or operator of a 2007 model year or later engine must keep manufacturer certification showing compliance with the applicable emission standards, for the same model year and maximum engine power. [40 CFR 60.4211].	None.
31	The owner or operator of a 2007 model year and later stationary CI internal combustion engine complying with the emission standards specified in 40 CFR 60.4205(b), must comply by purchasing an engine certified to the emission standards in 40 CFR 60.4205(b), for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's emission-related specifications (NSPS Subpart IIII). [40 CFR 60.4211(c)]	None.	Other: The owner or operator must keep documentation from the manufacturer, for the life of the equipment, that the engine is certified to meet the emission standards as applicable, for the same model year and maximum engine power. If the engine and control device is not installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions, or emission-related settings are changed in a way that is not permitted by the manufacturer, the owner or operator must demonstrate compliance as prescribed at 40 CFR 60.4211(g)(1), (2) or (3) depending on the maximum engine power. [40 CFR 60.4211(c)].	None.
32	A new or reconstructed stationary RICE located at an area HAP source must meet the requirements of 40 CFR 63 by meeting the requirements of 40 CFR 60 subpart IIII, for compression ignition engines or 40 CFR 60 subpart JJJJ, for spark ignition engines. No further requirements apply for such engines under 40 CFR 63. (MACT ZZZZ) [40 CFR 63.6590(c)]	Other: Comply with all applicable provisions at NSPS IIII. [40 CFR 63].	Other: Comply with all applicable provisions at NSPS IIII. [40 CFR 63].	None.

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
33	Owners and operators of stationary CI internal combustion engines must operate and maintain stationary CI ICE that achieve the emission standards as required in 40 CFR 60.4204 and 60.4205 over the entire life of the engine (NSPS Subpart IIII). [40 CFR 60.4206]	None.	Other: The owner or operator shall keep the manufacturer's written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer, over the entire life of the engine. If the manufacturer's emission-related written instructions are not followed, the owner or operator must keep the results of the performance test(s) demonstrating compliance with the applicable emission limits.[40 CFR 60.4206].	None.
34	After December 31, 2008, owners and operators may not install stationary CI ICE (excluding fire pump engines) that do not meet the applicable requirements for 2007 model year engines except for engines that have been modified or reconstructed, and except for engines that were removed from one existing location and reinstalled at a new location. [40 CFR 60.4208(a)]	None.	None.	None.
35	The emergency generators may be operated in emergency situations as defined in 40 CFR 60.4219. For emergency engines not meeting emission standards in 40 CFR 60.4204, any operation other than emergency operation and maintenance and testing as permitted in 40 CFR 60.4211(e), is prohibited. [40 CFR 60.4211(e)]	Monitored by hour/time monitor continuously. The owner or operator of an emergency stationary internal combustion engine must install a non-resettable hour meter prior to startup of the engine. [40 CFR 60.4209(a)]	None.	None.

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

Emission Unit: U16 Storage & Fleet Maintenance Bldg. Diesel Emergency Genset

Operating Scenario: OS1 Storage & Fleet Maintenance Bldg. Diesel Emergency Genset

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	CO <= 1.52 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
2	NOx (Total) <= 3.65 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	VOC (Total) <= 0.18 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	TSP <= 0.12 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	PM-10 (Total) <= 0.12 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	PM-2.5 (Total) <= 0.12 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

BOP210001

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

Emission Unit: U17 CNG Filling Station Diesel Emergency Genset

Operating Scenario: OS1 CNG Filling Station Diesel Emergency Genset

The requirements for this item are identical to those for: U16 OS1

BOP210001

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

Emission Unit: U18 Blower Building Diesel Emergency Genset

Operating Scenario: OS1 Blower Building Diesel Emergency Genset

The requirements for this item are identical to those for: U16 OS1

CUMBERLAND COUNTY SOLID WASTE FACILITY (75510)
BOP210001

Date: 1/16/2025

New Jersey Department of Environmental Protection
Facility Profile (General)

Facility Name (AIMS): CUMBERLAND COUNTY SOLID WASTE] **Facility ID (AIMS):** 75510

Street 169 JESSE BRG RD
Address: MILLVILLE, NJ 08332

Mailing 169 JESSE BRG RD
Address: MILLVILLE, NJ 08332

County: Cumberland
Location Near the intersection of Jesse Bridge Road
Description: and Sherman Ave, Deerfield Township,
Cumberland County

State Plane Coordinates:	
X-Coordinate:	1,878,200
Y-Coordinate:	226,350
Units:	Feet
Datum:	NAD27
Source Org.:	Submittal Document
Source Type:	Hard Copy Map

Industry:	
Primary SIC:	4953
Secondary SIC:	
NAICS:	562212

New Jersey Department of Environmental Protection
Facility Profile (General)

Contact Type: Air Permit Information Contact

Organization: Cumberland County Improvement Authority **Org. Type:** Auth/Dist/Comm
Name: Anthony Riviera **NJ EIN:** 00222563158
Title: Director of Landfill Operations
Phone: (856) 825-3700 x **Mailing Address:** 745 Lebanon Road
Fax: (856) 825-8121 x Millville, NJ 08332
Other: () - x
Type:
Email: triviera@theauthoritynj.com

Contact Type: BOP - Operating Permits

Organization: Cumberland County Improvement Authority **Org. Type:** Auth/Dist/Comm
Name: Gerard Velazquez, III **NJ EIN:** 00222563158
Title: President/CEO
Phone: (856) 825-3700 x **Mailing Address:** 745 Lebanon Road
Fax: (856) 825-8121 x Millville, NJ 08332
Other: () - x
Type:
Email: jvelazquez@theauthoritynj.com

Contact Type: Consultant

Organization: SCS Engineers **Org. Type:** Other
Name: Julie Bethke **NJ EIN:** 00540913440
Title:
Phone: (609) 403-7773 x **Mailing Address:** 53 South Main Street
Fax: (703) 471-6676 x Suite A
Other: () - x Medford, NJ 08055
Type:
Email: jbethke@scsengineers.com

New Jersey Department of Environmental Protection
Facility Profile (General)

Contact Type: Emission Statements

Organization: Cumberland County Improvement Authority **Org. Type:** Auth/Dist/Comm
Name: Gerard Velazquez, III **NJ EIN:** 00222563158
Title: President/CEO
Phone: (856) 825-3700 x **Mailing Address:** 745 Lebanon Road
Fax: (856) 825-8121 x Millville, NJ 08332
Other: () - x
Type:
Email: jvelazquez@theauthoritynj.com

Contact Type: Environmental Officer

Organization: Cumberland County Improvement Authority **Org. Type:** Auth/Dist/Comm
Name: Gerard Velazquez, III **NJ EIN:** 00222563158
Title: President/CEO
Phone: (856) 825-3700 x **Mailing Address:** 745 Lebanon Road
Fax: (856) 825-8121 x Millville, NJ 08332
Other: () - x
Type:
Email: jvelazquez@theauthoritynj.com

Contact Type: Fees/Billing Contact

Organization: Cumberland County Improvement Authority **Org. Type:** Auth/Dist/Comm
Name: Gerard Velazquez, III **NJ EIN:** 00222563158
Title: President/CEO
Phone: (856) 825-3700 x **Mailing Address:** 745 Lebanon Road
Fax: (856) 825-8121 x Millville, NJ 08332
Other: () - x
Type:
Email: jvelazquez@theauthoritynj.com

New Jersey Department of Environmental Protection
Facility Profile (General)

Contact Type: General Contact

Organization: Cumberland County Improvement Authority **Org. Type:** Auth/Dist/Comm
Name: Gerard Velazquez, III **NJ EIN:** 00222563158
Title: President/CEO
Phone: (856) 825-3700 x **Mailing Address:** 745 Lebanon Road
Fax: (856) 825-8121 x Millville, NJ 08332
Other: () - x
Type:
Email: jvelazquez@theauthoritynj.com

Contact Type: On-Site Manager

Organization: Cumberland County Improvement Authority **Org. Type:** Auth/Dist/Comm
Name: Anthony Riviera **NJ EIN:** 00222563158
Title: Director of Landfill Operations
Phone: (856) 825-3700 x **Mailing Address:** 745 Lebanon Road
Fax: (856) 825-8121 x Millville, NJ 08332
Other: () - x
Type:
Email: triviera@theauthoritynj.com

Contact Type: Operator

Organization: Cumberland County Improvement Authority **Org. Type:** Auth/Dist/Comm
Name: Gerard Velazquez, III **NJ EIN:** 00222563158
Title: President/CEO
Phone: (856) 825-3700 x **Mailing Address:** 745 Lebanon Road
Fax: (856) 825-8121 x Millville, NJ 08332
Other: () - x
Type:
Email: jvelazquez@theauthoritynj.com

New Jersey Department of Environmental Protection
Facility Profile (General)

Contact Type: Owner (Current Primary)

Organization: Cumberland County Improvement Authority

Org. Type: Auth/Dist/Comm

Name: Gerard Velazquez, III

NJ EIN: 00222563158

Title: President/CEO

Phone: (856) 825-3700 x

Mailing Address: 745 Lebanon Rd.

Fax: (856) 825-8121 x

Millville, NJ 08332

Other: () - x

Type:

Email: jvelazquez@theauthoritynj.com

Contact Type: Regulation Officer

Organization: Cumberland County Improvement Authority

Org. Type: Auth/Dist/Comm

Name: Salvatore J. DeFrancisco

NJ EIN: 00222563158

Title: Safety Coordinator

Phone: (856) 825-3700 x

Mailing Address: 745 Lebanon Rd.

Fax: (856) 825-8121 x

Millville, NJ 08332

Other: () - x

Type:

Email: sdefrancisco@theauthoritynj.com

Contact Type: Responsible Official

Organization: Cumberland County Improvement Authority

Org. Type: Auth/Dist/Comm

Name: Anthony Riviera

NJ EIN: 00222563158

Title: Director of Landfill Operations

Phone: (856) 825-3700 x

Mailing Address: 745 Lebanon Road

Fax: (856) 825-8121 x

Millville, NJ 08332

Other: () - x

Type:

Email: triviera@theauthoritynj.com

New Jersey Department of Environmental Protection
Facility Profile (General)

Contact Type: Responsible Party

Organization: Cumberland County Improvement Authority

Org. Type: Auth/Dist/Comm

Name: Anthony Riviera

NJ EIN: 00222563158

Title: Director Landfill Operations

Phone: (856) 825-3700 x

Mailing 745 Lebanon Road

Fax: (856) 825-8121 x

Address: Millville, NJ 08332

Other: () - x

Type:

Email: triviera@theauthoritynj.com

CUMBERLAND COUNTY SOLID WASTE FACILITY (75510)
BOP210001

Date: 01/16/2025

New Jersey Department of Environmental Protection
Non-Source Fugitive Emissions

FG NJID	Description of Activity Causing Emission	Location Description	Reasonable Estimate of Emissions (tpy)								
			VOC (Total)	NOx	CO	SO	TSP (Total)	PM-10	Pb	HAPS (Total)	Other (Total)
FG1	Fugitive Dust Emissions from landfill operations	Landfill					249.000	99.940			
Total			0.000	0.000	0.000	0.000	249.000	99.940	0.000	0.00000000	0.000

CUMBERLAND COUNTY SOLID WASTE FACILITY (75510)
BOP210001

Date: 1/16/2025

New Jersey Department of Environmental Protection
Insignificant Source Emissions

IS NJID	Source/Group Description	Equipment Type	Location Description	Estimate of Emissions (tpy)								
				VOC (Total)	NO _x	CO	SO	TSP	PM-10	Pb	HAPS (Total)	Other (Total)
IS6	Eight Small Storage Tanks (Less than 500 gallons)	Storage Vessel	Various Locations	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.00004750	0.000
IS7	Two 660 gallon Diesel Storage Tanks (ASTs)	Storage Vessel	Various Locations	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.00025500	0.000
IS8	8,000 gallon Diesel Storage Tank (AST)	Storage Vessel	Admin. Building	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.00155000	0.000
IS9	Kohler 80 kW, 133 HP Diesel Emergency Generator, Model 80REOZJD (<1 MM Btu/hour, Tier 3, installed in 2010), Subject to NSPS Subpart IIII)	Emergency Generator	Scalehouse	0.020	0.220	0.050	0.010	0.020	0.020	0.000	0.01000000	0.000
IS10	42 kW Diesel Emergency Generator, Less than 1 MM Btu/hour	Emergency Generator	Pump Station 8	0.010	0.125	0.027	0.008	0.009	0.009	0.000	0.00500000	0.000
IS11	125,800 gallon Treated Leachate Storage Tank #1 (PCP970001, 3/1/1994)	Storage Vessel	Near Leachate Treatment Plant	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.00000000	0.000
IS12	125,800 gallon Treated Leachate Storage Tank #2 (PCP970002, 3/1/1994)	Storage Vessel	Near Leachate Treatment Plant	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.00000000	0.000

CUMBERLAND COUNTY SOLID WASTE FACILITY (75510)
BOP210001

Date: 1/16/2025

New Jersey Department of Environmental Protection
Insignificant Source Emissions

IS NJID	Source/Group Description	Equipment Type	Location Description	Estimate of Emissions (tpy)								
				VOC (Total)	NO _x	CO	SO	TSP	PM-10	Pb	HAPS (Total)	Other (Total)
IS13	1,175,000 gallon Leachate Pretreatment Equalization Tank #3 (PCP980001, 2/1/1999)	Storage Vessel	Near Leachate Treatment Plant	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.00000000	0.000
IS14	419,000 gallon Leachate Storage Tank #4 (BOP150002)	Storage Vessel	Near Leachate Treatment Plant	0.044	0.000	0.000	0.000	0.000	0.000	0.000	0.02200000	0.000
IS15	Eleven Natural Gas Fired Heating Units, Less than 1 MM Btu/hour, each	Fuel Combustion Equipment (Other)	Various Locations	0.003	0.057	0.048	0.000	0.004	0.004	0.000	0.00600000	0.000
IS16	Fifteen Natural Gas Fired Heating Units, Less than 1 MM Btu/hour, each	Fuel Combustion Equipment (Other)	Various Locations	0.003	0.055	0.046	0.000	0.004	0.004	0.000	0.00600000	0.000
IS17	1,500-gallon gasoline above ground storage tank	Storage Vessel	Near Maintenance Building	0.200								
Total				0.284	0.457	0.171	0.018	0.037	0.037	0.000	0.05085250	0.000

**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
E10	Landfill U10	Municipal Solid Waste Landfill	Landfill	PCP970005	10/1/1987	No		
E13	Generator #4	4.37 MMBtu/hour, 400 kW Diesel Emergency Generator	Emergency Generator	BOP080001	1/1/2010	No		
E14	Generator #5	4.37 MMBtu/hour, 400 kW Diesel Emergency Generator	Emergency Generator	BOP080001	1/1/2010	No		
E16	U16	Storage & Fleet Maintenance Building Diesel Emergency Genset	Emergency Generator	BOP190002	5/25/2021	No		
E17	U17	CNG Filling Station Diesel Emergency Genset	Emergency Generator	BOP190002	5/20/2021	No		
E18	U18	Blower Building Diesel Emergency Genset	Emergency Generator	BOP190002	5/12/2021	No		

75510 CUMBERLAND COUNTY SOLID WASTE FACILITY BOP210001 E10 (Landfill)
Print Date: 11/25/2024

Solid Waste Facility Permit Number:	<input type="text" value="133530"/>
Year Opened:	<input type="text" value="1987"/>
Solid Waste Facility Permit Issuance Date:	<input type="text" value="12/30/85"/>
Expected Year of Closure:	<input type="text" value="2041"/>
Actual Year of Closure:	<input type="text"/>
Total Design Area (acres):	<input type="text" value="107.4"/>
Total Design Capacity (million megagrams):	<input type="text" value="4.75"/>
Active Area (acres):	<input type="text" value="12.0"/>
Capped Area (acres):	<input type="text" value="0.0"/>
Is the Landfill Lined?	<input checked="" type="radio"/> Yes <input type="radio"/> No
Was the site used for the disposal of Hazardous Waste?	<input type="radio"/> Yes <input checked="" type="radio"/> 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?	<input type="radio"/> Yes <input checked="" type="radio"/> No
Maximum Estimated Landfill Gas Generation Rate during the life of the Landfill (ft ³ /yr):	<input type="text" value="107000000"/>
Model used to estimate Landfill Gas Production:	<input type="text" value="2006 EPA LandGEM"/>
Is there a Landfill Gas Pre-Treatment System?	<input checked="" type="radio"/> Yes <input type="radio"/> No
Method of Landfill Gas Pre-Treatment:	<input type="text" value="Filtration, Compression, Gas Cooling"/>
Design Capacity of Landfill Gas Collection System (acfm):	<input type="text" value="3,600.0"/>
Overall Collection Efficiency(%):	<input type="text" value="75.0"/>
Landfill Gas Mover/Blower size (hp):	<input type="text" value="75.0"/>
Number of Extraction Wells:	<input type="text" value="111"/>
Extraction Well Diameter (ft):	<input type="text" value="3.0"/>
Extraction Well Depth (ft):	<input type="text" value="40.0"/>
Extraction Well Overlap (%):	<input type="text" value="10.0"/>
Extraction Well Operating Vacuum (in. H2O):	<input type="text" value="40.0"/>
Have you attached Actual Landfill Gas Analysis?	<input type="radio"/> Yes <input checked="" type="radio"/> No
Have you attached a layout (plan view) of the wells and header piping?	<input type="radio"/> Yes <input checked="" type="radio"/> No
Have you attached a waste	

75510 CUMBERLAND COUNTY SOLID WASTE FACILITY BOP210001 E10 (Landfill)

Print Date: 11/25/2024

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

☐ Yes ☒ No

Comments:

(1) Solid Waste Facility PI #133530, Activity #LOP140001
(2) Maximum estimated landfill gas generation rate during the life of the landfill (ft3/yr)? 1,070 x 106 ft3/year
(3) Landfill gas mover/blower size (hp) = Two blowers, each 75 hp

on May 29, 2009, the Department issued a Solid Waste Facility Permit Renewal and Major Modification (LOP 050001) to the Cumberland County Improvement Authority which allowed for a horizontal and vertical expansion of the landfill. This Permit allowed for a 31.9-acre increase in the area permitted for landfill operations and an increase in the permitted maximum elevation from 212 feet above mean sea level (amsl) to 227.5 feet amsl. In total, the permitted capacity of the landfill increased by 4,171,130 cu. yd, from 9,625,500 yd3 to 13,797,630 cu. yd....per Ross (SWP)

75510 CUMBERLAND COUNTY SOLID WASTE FACILITY BOP210001 E10 (Landfill) Print Date: 11/25/2024

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

75510 CUMBERLAND COUNTY SOLID WASTE FACILITY BOP210001 E13 (Emergency Generator)
Print Date: 11/25/2024

Make:	<input type="text" value="Kohler"/>		
Manufacturer:	<input type="text" value="Kohler Power System"/>		
Model:	<input type="text" value="400REOZDD, 635 HP"/>		
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	<input type="text" value="4.37"/>		
Will the equipment be used in excess of 500 hours per year?	<input type="radio"/> Yes <input checked="" type="radio"/> No		
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="radio"/> Yes <input checked="" type="radio"/> No	Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="radio"/> Yes <input checked="" type="radio"/> No
Comments:	<input type="text" value="The generator is powered by Detroit Diesel engine, Series 60, 6 inline cylinder, 14 litre total displacement, Maximum brake horse power: 635"/>		

75510 CUMBERLAND COUNTY SOLID WASTE FACILITY BOP210001 E14 (Emergency Generator)
Print Date: 11/25/2024

Make:	<input type="text" value="Kohler"/>		
Manufacturer:	<input type="text" value="Kohler Power System"/>		
Model:	<input type="text" value="400REOZDD, 635 HP"/>		
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	<input type="text" value="4.37"/>		
Will the equipment be used in excess of 500 hours per year?	<input type="radio"/> Yes <input checked="" type="radio"/> No		
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="radio"/> Yes <input checked="" type="radio"/> No	Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="radio"/> Yes <input checked="" type="radio"/> No
Comments:	<input type="text" value="The generator is powered by Detroit Diesel engine, Series 60, 6 inline cylinder, 14 litre total displacement, Maximum brake horse power: 635"/>		

75510 CUMBERLAND COUNTY SOLID WASTE FACILITY BOP210001 E16 (Emergency Generator)
Print Date: 11/25/2024

Make:	<input type="text" value="Kohler"/>		
Manufacturer:	<input type="text" value="Kohler"/>		
Model:	<input type="text" value="400REOZJD"/>		
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	<input type="text" value="4.30"/>		
Will the equipment be used in excess of 500 hours per year?	<input type="radio"/> Yes <input checked="" type="radio"/> No		
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input checked="" type="radio"/> Yes <input type="radio"/> No
Comments:	<input type="text" value="2020 Model Year"/>		

75510 CUMBERLAND COUNTY SOLID WASTE FACILITY BOP210001 E17 (Emergency Generator)
Print Date: 11/25/2024

Make:	<input type="text" value="Kohler"/>		
Manufacturer:	<input type="text" value="Kohler"/>		
Model:	<input type="text" value="400REOZJD"/>		
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	<input type="text" value="4.30"/>		
Will the equipment be used in excess of 500 hours per year?	<input type="radio"/> Yes <input checked="" type="radio"/> No		
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input checked="" type="radio"/> Yes <input type="radio"/> No
Comments:	<input type="text" value="2020 Model Year"/>		

75510 CUMBERLAND COUNTY SOLID WASTE FACILITY BOP210001 E18 (Emergency Generator)
Print Date: 11/25/2024

Make:	<input type="text" value="Kohler"/>		
Manufacturer:	<input type="text" value="Kohler"/>		
Model:	<input type="text" value="400REOZJD"/>		
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	<input type="text" value="4.30"/>		
Will the equipment be used in excess of 500 hours per year?	<input type="radio"/> Yes <input checked="" type="radio"/> No		
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input checked="" type="radio"/> Yes <input type="radio"/> No
Comments:	<input type="text" value="2020 Model Year"/>		

CUMBERLAND COUNTY SOLID WASTE FACILITY (75510)
BOP210001

Date: 1/16/2025

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	Enclos Flare	Reference Only - Enclosed Flare operated by Cumberland County Gas to Energy Plant, and the Enclosed Flare requirements are addressed under PI 75697.	Flare	3/25/1999	No	3/25/1999	

75510 CUMBERLAND COUNTY SOLID WASTE FACILITY BOP210001 CD1 (Flare)

Print Date: 11/25/2024

Make:	<input type="text" value="Triton"/>
Manufacturer:	<input type="text" value="LFG&E, Inc."/>
Model:	<input type="text" value="GF-2500"/>
Type:	<input type="text" value="Enclosed"/>
Minimum Residence Time (sec):	<input type="text" value="0.60"/>
Maximum Rated Gross Heat Input (MMBtu/hr):	<input type="text" value="75.00"/>
Auxilliary Fuel:	<input type="text"/>
Description:	<input type="text"/>
Method of Pilot Flame Monitoring:	<input type="text" value="UV Scanner"/>
Monitoring Location:	<input type="text" value="Local"/>
Automatic Gas Shutoff After Loss of Flame?	<input checked="" type="radio"/> Yes <input type="radio"/> No
Automatic Reignition After Loss of Flame?	<input checked="" type="radio"/> Yes <input type="radio"/> No
Minimum Gas Flow Rate (acfm):	<input type="text" value="500.0"/>
Minimum Operating Temperature (°F):	<input type="text" value="1,500.0"/>
Minimum Heat Content at Burner Tip (Btu/ft³):	<input type="text" value="250.00"/>
Flare Operation Type:	<input type="text" value="Continuous"/>
Does Flare have smokeless design?	<input checked="" type="radio"/> Yes <input type="radio"/> No
Is Flare equipped with flame retainer?	<input type="radio"/> Yes <input checked="" type="radio"/> No
Is Flare equipped with flame arrestor?	<input checked="" type="radio"/> Yes <input type="radio"/> No
Is Flare equipped with LEL monitor?	<input type="radio"/> Yes <input checked="" type="radio"/> No
Flare Stack Diameter (inches):	<input type="text" value="120.00"/>
Lower Heat Content of source gas (BTU/scf):	<input type="text" value="500"/>
Lower Heat Content of Supplemental Fuel (BTU/scf):	<input type="text"/>
Destruction and Removal Efficiency (%):	<input type="text" value="98.00"/>
How was Efficiency determined?	<input type="text" value="Manufacturer Guarentee"/>
Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources):	<input type="text" value="1"/>
Alternative Method to Demonstrate Control Apparatus is Operating Properly:	<input type="text" value="Continuous Monitoring and Recording of Stack Temperature"/>
Have you attached data from recent performance testing?	<input type="radio"/> Yes <input checked="" type="radio"/> No
Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus?	<input type="text"/>

75510 CUMBERLAND COUNTY SOLID WASTE FACILITY BOP210001 CD1 (Flare)

Print Date: 11/25/2024

☐ Yes ☒ No

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

☐ Yes ☒ No

Comments:

The Enclosed Flare is maintained by Cumberland County Gas to Energy Plant (PI 75697) and it's requirements are addressed in it's Title V Operating Permit, BOP130001, Emission Unit U5 (E5-ECF001).

CUMBERLAND COUNTY SOLID WASTE FACILITY (75510)

Date: 1/16/2025

BOP210001**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.		
PT10	Enclos Flare	Enclosed Flare for Municipal Solid Waste Landfill (included in Cumberland County Gas to Energy Plant, PI 75697)	Round	120	40	170	1,500.0	0.0	1,500.0		0.0	141,750.0	Up	
PT13	Generator #4	400 kW Diesel Emergency Generator, ESMF Bldg.	Round	10	10	250	1,025.0	1,025.0	1,025.0	3,575.0	3,575.0	3,575.0	Up	
PT14	Generator #5	400 kW Diesel Emergency Generator, Admin. Bldg	Round	10	10	250	1,025.0	1,025.0	1,025.0	3,575.0	3,575.0	3,575.0	Up	
PT16	U16	Storage and Fleet Maintenance Building Diesel Emergency Genset	Round	8	8	124	981.0	981.0	981.0	2,606.0	2,606.0	2,606.0	Up	
PT17	U17	CNG Filling Station Diesel Emergency Genset	Round	8	8	94	981.0	981.0	981.0	2,606.0	2,606.0	2,606.0	Up	
PT18	U18	Blower Building Diesel Emergency Genset	Round	8	8	227	981.0	981.0	981.0	2,606.0	2,606.0	2,606.0	Up	

CUMBERLAND COUNTY SOLID WASTE FACILITY (75510)
BOP210001

Date: 1/16/2025

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

U 10 MSW Landfill Municipal Solid Waste Landfill (w/o Enclosed Flare that is included in PI 75697, Cumberland Cnty Gas to Energy Plant) Subject to NSPS XXX & MACT AAAA

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	MSW-Landfill	Municipal Solid Waste Landfill with Enclosed Flare	Normal - Steady State	E10	CD1 (P)	PT10	5-01-004-02	8,760.0	8,760.0	D	500.0	2,500.0	0.0	1,500.0

U 13 Generator #4 4.37 MMBtu/hr, 400 kW diesel emergency generator (E13), Installed after 2007, Subject to NSPS Subpart A and Subpart IIII

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	Generator #4	400 kW diesel emergency generator	Normal - Steady State	E13		PT13	2-01-001-02	0.0	100.0		3,575.0	3,575.0	1,025.0	1,025.0

CUMBERLAND COUNTY SOLID WASTE FACILITY (75510)
BOP210001

Date: 1/16/2025

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

U 14 Generator #5 4.37 MMBtu/hr, 400 kW diesel emergency generator (E14), Installed after 2007, Subject to NSPS Subpart A and Subpart IIII

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	Generator #5	400 kW diesel emergency generator	Normal - Steady State	E14		PT14	2-01-001-02	0.0	100.0		3,575.0	3,575.0	1,025.0	1,025.0

U 16 U16 E Genset Storage & Fleet Maintenance Bldg. Diesel Emergency Genset

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	U16	Storage & Fleet Maintenance Bldg. Diesel Emergency Genset	Standby	E16		PT16	2-01-001-02	0.0	100.0		0.0	2,606.0	0.0	981.0

CUMBERLAND COUNTY SOLID WASTE FACILITY (75510)
BOP210001

Date: 1/16/2025

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

U 17 U17 E Genset CNG Filling Station Diesel Emergency Genset

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	U17	CNG Filling Station Diesel Emergency Genset	Standby	E17		PT17	2-01-001-02	0.0	100.0		0.0	2,606.0	0.0	981.0

U 18 U18 E Genset Blower Building Diesel Emergency Genset

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	U18	Blower Building Diesel Emergency Genset	Standby	E18		PT18	2-01-001-02	0.0	100.0		0.0	2,606.0	0.0	981.0