



## State of New Jersey

Department of Environmental Protection  
Air, Energy and Materials Sustainability

Division of Air Quality

Bureau of Stationary Sources

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Trenton, NJ 08625-0420

PHILIP D. MURPHY  
*Governor*

SHEILA Y. OLIVER  
*Lt. Governor*

SHAWN M. LATOURETTE  
*COMMISSIONER*

### Air Pollution Control Operating Permit Renewal

**Permit Activity Number: BOP210001**

**Program Interest Number: 75524**

Mailing Address	Plant Location
MICHELLE NOTHAFT ASST MUNICIPAL ENGINEER MILLVILLE CITY ENGINEERING DEPT PO BOX 609 - 12 S HIGH ST Millville City, NJ 08332	MILLVILLE CITY MUNICIPAL LANDFILL Cedarville Rd Millville Cumberland County

**Initial Operating Permit Approval Date: May 20, 2002**

**Operating Permit Approval Date: PROPOSED**

**Operating Permit Expiration Date: TBD**

#### **AUTHORITY AND APPLICABILITY**

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

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

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

#### **PERMIT SHIELD**

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

#### **COMPLIANCE SCHEDULES**

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

#### **COMPLIANCE CERTIFICATIONS AND DEVIATION REPORTS**

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

### **ACCESSING PERMITS**

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

### **HELPLINE**

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

### **RENEWING YOUR OPERATING PERMIT AND APPLICATION SHIELD**

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

### **COMPLIANCE ASSURANCE MONITORING**

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

### **ADMINISTRATIVE HEARING REQUEST**

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

If you have any questions regarding this permit approval, please call Thaddeus Soley at (609) 940-4463.

Approved by:

\_\_\_\_\_  
Shafi Ahmed

Enclosure

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

**Facility Name: MILLVILLE CITY MUNICIPAL LANDFILL**  
**Program Interest Number: 75524**  
**Permit Activity Number: BOP210001**

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## Section A

**Facility Name: MILLVILLE CITY MUNICIPAL LANDFILL**

**Program Interest Number: 75524**

**Permit Activity Number: BOP210001**

### **POLLUTANT EMISSIONS SUMMARY**

Table 1: Total emissions from all Significant Source Operations<sup>1</sup> at the facility.

Facility's Potential Emissions from all Significant Source Operations (tons per year)										
Source Categories	VOC (total)	NO <sub>x</sub>	CO	SO <sub>2</sub>	TSP (total)	PM <sub>10</sub> (total)	PM <sub>2.5</sub> (total)	Pb	HAPs* (total)	CO <sub>2</sub> e <sup>2</sup>
Emission Units Summary	0.464	0.009	0.082	N/A	N/A	N/A	N/A	N/A	0.0004	
Batch Process Summary	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Group Summary	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Total Emissions	0.464	0.009	0.082	N/A	N/A	N/A	N/A	N/A	0.0004	50,071

Table 2: Estimate of total emissions from all Insignificant Source Operations<sup>1</sup> 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 <sub>x</sub>	CO	SO <sub>2</sub>	TSP (total)	PM <sub>10</sub> (total)	PM <sub>2.5</sub> (total)	Pb	HAPs (total)
Insignificant Source Operations	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Non-Source Fugitive Emissions	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

VOC: Volatile Organic Compounds

NO<sub>x</sub>: Nitrogen Oxides

CO: Carbon Monoxide

SO<sub>2</sub>: 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

PM<sub>10</sub>: Particulates under 10 microns

PM<sub>2.5</sub>: Particulates under 2.5 microns

Pb: Lead

HAPs: Hazardous Air Pollutants

CO<sub>2</sub>e: 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.

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

<sup>2</sup> Total CO<sub>2</sub>e emissions for the facility.

## Section A

**Facility Name: MILLVILLE CITY MUNICIPAL LANDFILL**

**Program Interest Number: 75524**

**Permit Activity Number: BOP210001**

### **POLLUTANT EMISSIONS SUMMARY**

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

HAP	TPY
Ethyleneimine	0.0004

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

Other Air Contaminant	TPY
Hydrogen Sulfide	0.012
Methane	2361.7

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<sup>3</sup> 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: MILLVILLE CITY MUNICIPAL LANDFILL**

**Program Interest Number: 75524**

**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. 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: MILLVILLE CITY MUNICIPAL LANDFILL**

**Program Interest Number: 75524**

**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: MILLVILLE CITY MUNICIPAL LANDFILL**

**Program Interest Number: 75524**

**Permit Activity Number: BOP210001**

### **FACILITY SPECIFIC REQUIREMENTS AND INVENTORIES**

#### **FACILITY SPECIFIC REQUIREMENTS PAGE INDEX**

##### **Subject Item and Name**

##### **Page Number**

##### **Facility (FC):**

FC

1

##### **Emission Units (U):**

<b>U NJID</b>	<b>U Designation</b>	<b>U Description</b>	
U1	Fan 1 and 2	Closed Landfill with Gas Venting System - Exhaust Fan Assembly #1 and #2	7
U2	CT Engine	CT616 Compost Turner (John Deere RG6060HF Engine)	16

**MILLVILLE CITY MUNICIPAL LANDFILL (75524)  
BOP210001**

Date: 10/26/202

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

**Permit Being Modified**

**Permit Class:** BOP      **Number:** 220002

**Description**      Five Year Renewal Operating Permit.  
**of Modifications:**

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.

BOP210001

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	Compliance Certification: The permittee shall submit an annual Compliance Certification for each applicable requirement, pursuant to N.J.A.C. 7:27-22.19(f). [N.J.A.C. 7:27-22]	None.	None.	<p>Submit an Annual Compliance Certification: Annually to the Department and to EPA within 60 days after the end of each calendar year during which this permit was in effect. The Compliance Certification shall be certified pursuant to N.J.A.C. 7:27-1.39 by the responsible official and submitted electronically through the NJDEP online web portal. The certification should be printed for submission to EPA.</p> <p>The NJDEP online web portal can be accessed at:  <a href="http://www.state.nj.us/dep/online/">http://www.state.nj.us/dep/online/</a>. 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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Facility Specific Requirements**

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

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

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



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Facility Specific Requirements**

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

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Facility Specific Requirements**

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

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

**Emission Unit:** U1 Closed Landfill with Gas Venting System - Exhaust Fan Assembly #1 and #2

**Operating Scenario:** OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	<p><b>RENEWAL STACK TESTING SUMMARY:</b> The permittee shall conduct a stack test no later than every five years (see General Provisions) from the last stack test using an approved protocol to demonstrate compliance with emission limits for VOC, Hydrogen Sulfide, Methane and the following HAPS: Benzene, Dioxane, Ethylene dibromide, Styrene, Chloroform, Carbon tetrachloride, Ethylene dichloride, Methylene Chloride, Vinylidene chloride, Tetrachloroethane, Tetrachloroethylene, Trichloroethane, and Trichloroethylene for OS1 and OS2.</p> <p>Testing must be conducted at worst-case permitted operating conditions with regard to meeting the applicable emission standards, but without creating an unsafe condition. [N.J.A.C. 7:27-22.16(a)]</p>	Other: Monitoring as required under the applicable operating scenario(s). [N.J.A.C. 7:27-22.16(o)].	Other: Recordkeeping as required under the applicable operating scenario(s). [N.J.A.C. 7:27-22.16(o)].	<p>Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. Submit a stack test protocol to the Emission Measurement Section (EMS) at Mail Code: 09-01, PO Box 420, Trenton, NJ 08625 no later than 12 months prior to the completion of the five year period since the last sack test.</p> <p>The protocol and test report must be prepared and submitted on a CD using the Electronic Reporting Tool (ERT), unless another format is approved by EMS. The ERT program can be downloaded at: <a href="https://www.epa.gov/chief">https://www.epa.gov/chief</a></p> <p>Within 30 days of protocol approval or no less than 60 days prior to the testing deadline, whichever is later, the permittee must contact EMS at 609-984-3443 to schedule a mutually acceptable test date.</p> <p>A full stack test report must be submitted to EMS and a certified summary test report must be submitted to the Regional Enforcement Office within 45 days after performing the stack test pursuant to N.J.A.C. 7:27-22.19(d).</p> <p>The test results must be certified by a licensed professional engineer or certified industrial hygienist. [N.J.A.C. 7:27-22.18(e)] and. [N.J.A.C. 7:27-22.18(h)]</p>

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Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
2	Equipment shall not be used in a manner which will cause visible emissions, exclusive of visible condensed water vapor. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	VOC (Total) <= 0.46 tons/yr , based on hours of operation for any twelve consecutive months. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
4	Methane <= 2,361.7 tons/yr , based on hours of operation for any twelve consecutive months. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
5	Hydrogen sulfide <= 0.012 tons/yr , based on hours of operation for any twelve consecutive months. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
6	HAPs (Total) <= 0.0004 tons/yr , based on hours of operation for any twelve consecutive months. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	Ethyleneimine <= 0.0004 tons/yr , based on hours of operation for any twelve consecutive months. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
8	The following HAPs are below reporting threshold: Benzene, Dioxane, Ethylene dibromide, Styrene, Chloroform, Carbon tetrachloride, Ethylene dichloride, Methylene Chloride, Vinylidene chloride, Tetrachloroethane, Tetrachloroethylene, Trichloroethane, and Trichloroethylene. [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
9	The permittee shall monitor an ambient H2S concentration at the property's fenceline. [N.J.A.C. 7:27-22.16(a)]	<p>Monitored by periodic emission monitoring quarterly: once per quarter; quarters shall begin on January 1, April 1, July 1, and October 1 of each year.</p> <p>Monitoring shall be performed downwind of the landfill at the property's fenceline.</p> <p>Monitoring will no longer be required after 4 consecutive quarters that indicate H2S &lt; 30 ppbv, provided there is no disturbance of the landfill or modification to operation of the collection system.</p> <p>If the H2S monitoring results indicated that the H2S concentration is greater than 30 ppbv then the facility is required to submit a permit Modification Application to address the change in monitoring frequency. [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 upon occurrence of event.</p> <p>Record Date, Time, Name of Persons conducting monitoring, Wind Speed, Wind Direction, Location of Measurement and H2S concentrations.</p> <p>The facility must keep record for 5 years and shall be readily available upon the Department's request. [N.J.A.C. 7:27-22.16(o)]</p>	<p>Notify by phone: Upon occurrence of event.</p> <p>If the H2S ambient concentration at the facility's fenceline exceeds 30 ppbv or if odor is detected, contact the NJDEP Hotline at 1-877-927-6337. [N.J.A.C. 7:27-22.16(o)]</p>

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

**Emission Unit:** U1 Closed Landfill with Gas Venting System - Exhaust Fan Assembly #1 and #2

**Operating Scenario:** OS1 Gas Venting Exhaust Fan Assembly #1 with Activated Carbon Filter

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	The total quantity of sulfur in sulfur compounds other than SO <sub>2</sub> , SO <sub>3</sub> , and H <sub>2</sub> SO <sub>4</sub> , discharged in any 60-minute period shall not exceed 0.6 pounds/hour as set forth in N.J.A.C. 7:27-7.2(r) and at any instant the maximum rate of emission shall not exceed the allowable emission. [N.J.A.C. 7:27-7.2(i)]	None.	None.	None.
2	VOC (Total) <= 3.5 lb/hr. Maximum allowable emission rate as determined from Tables 16A and 16B, based on VOC vapor pressure and percent VOC in source gas. [N.J.A.C. 7:27-16.16(d)]	None.	None.	None.
3	<p>The carbon adsorption unit for Exhaust Fan Assembly #1 shall be replaced every twelve months, or when VOC (total) breakthrough concentration is greater than or equal to 50 ppmv at the discharge point from the carbon adsorption unit #1 (CD1), whichever comes first .</p> <p>The replacement of the carbon unit, if based on exceeding the concentration limit, shall occur within 30 days of detection of 50 ppmv reading. Saturated or partially used adsorption materials shall be disposed of in accordance with State and Federal regulations; based on BOP130001 modification application. [N.J.A.C. 7:27-22.16(a)]</p>	<p>Monitored by periodic emission monitoring quarterly: once per quarter; quarters shall begin on January 1, April 1, July 1, and October 1 of each year.</p> <p>The Permittee shall measure the concentration of VOC emissions utilizing an instrument as per Emission Measurement Section (EMS) guidance available on website: <a href="http://www.state.nj.us/dep/bts/pdffiles/Techmanuals/njatm3.pdf">http://www.state.nj.us/dep/bts/pdffiles/Techmanuals/njatm3.pdf</a>. [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 annually.</p> <p>The permittee shall maintain records of carbon adsorption unit designation, outlet VOC (total) concentration and date of each carbon replacement. [N.J.A.C. 7:27-22.16(o)]</p>	None.
4	VOC (Total) <= 0.065 lb/hr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	VOC (Total): Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs (see stack testing requirement in OS Summary for details). [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. [N.J.A.C. 7:27-22.16(o)]

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Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
5	Flowrate <= 205 ACFM. [N.J.A.C. 7:27-22.16(a)]	Flowrate: Monitored by stack emission testing every 5 years (based on completion date of the last stack test).  The flow rate monitoring system shall: (1) correct and report from actual to standard cubic feet; (2) have an overall accuracy of not less than 0.5% or the best accuracy available; (3) be installed and operated in accordance with the instructions of the manufacturer. [N.J.A.C. 7:27-22.16(o)]	Flowrate: Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). [N.J.A.C. 7:27-22.16(o)]	None.
6	Methane <= 43.8 lb/hr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	Methane: Monitored by stack emission testing every 5 years (based on completion date of the last stack test) based on the average of three Department validated stack test runs (see stack testing requirement in OS Summary for details). [N.J.A.C. 7:27-22.16(o)]	Methane: Recordkeeping by stack test results every 5 years (based on completion date of the last stack test) (see stack testing requirement in OS Summary for details). [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule (see stack testing requirement in OS Summary for details). [N.J.A.C. 7:27-22.16(o)]
7	Hydrogen sulfide <= 0.0001 lb/hr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	Hydrogen sulfide: Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs (see stack testing requirement in OS Summary for details). [N.J.A.C. 7:27-22.16(o)]	Hydrogen sulfide: Recordkeeping by stack test results every 5 years (based on completion date of the last stack test) (see stack testing requirement in OS Summary for details). [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule (see stack testing requirement in OS Summary for details). [N.J.A.C. 7:27-22.16(o)]
8	Ethyleneimine <= 0.0000339 lb/hr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
9	All records shall be maintained for a period of no less than five years and have those records readily available upon request of the Department, Regional Enforcement office or EPA. [N.J.A.C. 7:27-16.22(a)]	None.	None.	None.

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Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
10	The following HAPs are below reporting threshold: Benzene, Dioxane, Ethylene dibromide, Styrene, Chloroform, Carbon tetrachloride, Ethylene dichloride, Methylene Chloride, Vinylidene chloride, Tetrachloroethane, Tetrachloroethylene, Trichloroethane, and Trichloroethylene. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.



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

**Emission Unit:** U1 Closed Landfill with Gas Venting System - Exhaust Fan Assembly #1 and #2

**Operating Scenario:** OS2 Gas Venting Exhaust Fan Assembly #2 with Activated Carbon Filter

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	The total quantity of sulfur in sulfur compounds other than SO <sub>2</sub> , SO <sub>3</sub> , and H <sub>2</sub> SO <sub>4</sub> , discharged in any 60-minute period shall not exceed 0.6 pounds/hour as set forth in N.J.A.C. 7:27-7.2(r) and at any instant the maximum rate of emission shall not exceed the allowable emission. [N.J.A.C. 7:27-7.2(i)]	None.	None.	None.
2	VOC (Total) <= 3.5 lb/hr. Maximum allowable emission rate as determined from Tables 16A and 16B, based on VOC vapor pressure and percent VOC in source gas. [N.J.A.C. 7:27-16.16(d)]	None.	None.	None.
3	<p>The carbon adsorption unit for Exhaust Fan Assembly #2 shall be replaced every twelve months, or when VOC (total) breakthrough concentration is greater than or equal to 65 ppmv at the discharge point from the carbon adsorption unit #2 (CD2), whichever comes first .</p> <p>The replacement of the carbon unit, if based on exceeding the concentration limit, shall occur within 30 days of detection of 65 ppmv reading. Saturated or partially used adsorption materials shall be disposed of in accordance with State and Federal regulations; based on BOP130001 modification application. [N.J.A.C. 7:27-22.16(a)]</p>	<p>Monitored by periodic emission monitoring quarterly; once per quarter; quarters shall begin on January 1, April 1, July 1, and October 1 of each year.</p> <p>The Permittee shall measure the concentration of VOC emissions utilizing an instrument as per Emission Measurement Section (EMS) guidance available on website: <a href="http://www.state.nj.us/dep/bts/pdf/files/Techmanuals/njatm3.pdf">http://www.state.nj.us/dep/bts/pdf/files/Techmanuals/njatm3.pdf</a>. [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 annually.</p> <p>The permittee shall maintain records of carbon adsorption unit designation, outlet VOC (total) concentration and date of each carbon replacement. [N.J.A.C. 7:27-22.16(o)]</p>	None.
4	VOC (Total) <= 0.038 lb/hr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	VOC (Total): Monitored by stack emission testing every 5 years (based on completion date of the last stack test) based on the average of three Department validated stack test runs (see stack testing requirement in OS Summary for details). [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Recordkeeping by stack test results every 5 years (based on completion date of the last stack test) (see stack testing requirement in OS Summary for details). [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule (see stack testing requirement in OS Summary for details). [N.J.A.C. 7:27-22.16(o)]

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Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
5	Flowrate <= 330 ACFM. [N.J.A.C. 7:27-22.16(a)]	Flowrate: Monitored by stack emission testing every 5 years (based on completion date of the last stack test).  The flow rate monitoring system shall: (1) correct and report from actual to standard cubic feet; (2) have an overall accuracy of not less than 0.5% or the best accuracy available; (3) be installed and operated in accordance with the instructions of the manufacturer. [N.J.A.C. 7:27-22.16(o)]	Flowrate: Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). [N.J.A.C. 7:27-22.16(o)]	None.
6	Methane <= 495.4 lb/hr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	Methane: Monitored by stack emission testing every 5 years (based on completion date of the last stack test) based on the average of three Department validated stack test runs (see stack testing requirement in OS Summary for details). [N.J.A.C. 7:27-22.16(o)]	Methane: Recordkeeping by stack test results every 5 years (based on completion date of the last stack test) (see stack testing requirement in OS Summary for details). [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule (see stack testing requirement in OS Summary for details). [N.J.A.C. 7:27-22.16(o)]
7	Hydrogen sulfide <= 0.0018 lb/hr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	Hydrogen sulfide: Monitored by stack emission testing every 5 years (based on completion date of the last stack test) based on the average of three Department validated stack test runs (see stack testing requirement in OS Summary for details). [N.J.A.C. 7:27-22.16(o)]	Hydrogen sulfide: Recordkeeping by stack test results every 5 years (based on completion date of the last stack test) (see stack testing requirement in OS Summary for details). [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule (see stack testing requirement in OS Summary for details). [N.J.A.C. 7:27-22.16(o)]
8	Ethyleneimine <= 0.0000576 lb/hr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
9	All records shall be maintained for a period of no less than five years and have those records readily available upon request of the Department, Regional Enforcement office or EPA. [N.J.A.C. 7:27-16.22(a)]	None.	None.	None.

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Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
10	The following HAPs are below reporting threshold: Benzene, Dioxane, Ethylene dibromide, Styrene, Chloroform, Carbon tetrachloride, Ethylene dichloride, Methylene Chloride, Vinylidene chloride, Tetrachloroethane, Tetrachloroethylene, Trichloroethane, and Trichloroethylene. [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:** U2 CT616 Compost Turner (John Deere RG6060HF Engine)

**Operating Scenario:** OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Opacity <= 20 % exclusive of visible, condensed water vapor, for more than 10 consecutive seconds. [N.J.A.C. 7:27- 3.5]	None.	None.	None.
2	Sulfur Content in Fuel <= 15 ppmw (0.0015% by weight). [N.J.A.C. 7:27- 9.2(b)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery. [N.J.A.C. 7:27-22.16(o)]	Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	None.
3	Fuel stored in New Jersey that met the applicable maximum sulfur content standard of Tables 1A or 1B or N.J.A.C. 7:27-9.2 at the time it was stored in New Jersey after the operative date of the applicable standard in Table 1B. [N.J.A.C. 7:27- 9.2(b)]	None.	None.	None.
4	Engine fuel limited to diesel. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	Hours of Operation <= 104 hr/yr. [N.J.A.C. 7:27-22.16(a)]	Hours of Operation: Monitored by hour/time monitor each month during operation using a non-resettable hour meter. [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. Record monthly hours and annual cumulative hours. [N.J.A.C. 7:27-22.16(o)]	None.
6	VOC (Total) <= 0.00441 tons/yr. [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by calculations once initially. [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. [N.J.A.C. 7:27-22.16(o)]	None.
7	NOx (Total) <= 0.00946 tons/yr. [N.J.A.C. 7:27-22.16(a)]	NOx (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	NOx (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. [N.J.A.C. 7:27-22.16(o)]	None.
8	CO <= 0.082 tons/yr. [N.J.A.C. 7:27-22.16(a)]	CO: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	CO: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. [N.J.A.C. 7:27-22.16(o)]	None.

BOP210001

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

**Emission Unit:** U2 CT616 Compost Turner (John Deere RG6060HF Engine)

**Operating Scenario:** OS1 CT616 Compost Turner (John Deere RG6060HF Engine)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Maximum Gross Heat Input $\leq$ 1.97 MMBTU/hr (HHV). Engine rated at 275 HP. [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
2	VOC (Total) $\leq$ 0.0849 lb/hr. [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by calculations once initially. [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. [N.J.A.C. 7:27-22.16(o)]	None.
3	NOx (Total) $\leq$ 0.182 lb/hr. [N.J.A.C. 7:27-22.16(a)]	NOx (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	NOx (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. [N.J.A.C. 7:27-22.16(o)]	None.
4	CO $\leq$ 1.58 lb/hr. [N.J.A.C. 7:27-22.16(a)]	CO: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	CO: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. [N.J.A.C. 7:27-22.16(o)]	None.

**MILLVILLE CITY MUNICIPAL LANDFILL (75524)**  
**BOP210001**

Date: 10/26/2021

**New Jersey Department of Environmental Protection**  
**Facility Profile (General)**

**Facility Name (AIMS):** MILLVILLE CITY MUNICIPAL LANDFILL

**Facility ID (AIMS):** 75524

**Street** CEDARVILLE RD  
**Address:** BLOCK 128 LOT 102  
MILLVILLE, NJ 08332

**Mailing** Post Office Box 609  
**Address:** Millville, NJ 08332

**County:** Cumberland  
**Location** Existing landfill with recreational  
**Description:** improvements. Turn for City of Millville  
Compost Facility.

**State Plane Coordinates:**  
**X-Coordinate:** 75  
**Y-Coordinate:** 39  
**Units:** Long/Lat  
  
**Datum:**  
**Source Org.:**  
**Source Type:** Other/Unknown

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

**New Jersey Department of Environmental Protection**  
**Facility Profile (General)**

**Contact Type: Air Permit Information Contact**

**Organization:** City of Millville

**Org. Type:** Municipal

**Name:** Nick Taney

**NJ EIN:**

**Title:** Principal Engineering Aide

**Phone:** (856) 825-7000 x7298

**Mailing Address:** Post Office Box 609  
12 South High Street  
Millville, NJ 08332

**Fax:** ( ) - x

**Other:** ( ) - x

**Type:**

**Email:** nick.taney@millvillenj.gov

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**Contact Type: Consultant**

**Organization:** Roux Associates, Inc.

**Org. Type:** Corporation

**Name:** Jason Hickey

**NJ EIN:** 00112579482

**Title:** Senior Scientist

**Phone:** (856) 423-8800 x

**Mailing Address:** 402 Heron Drive  
Logan Township, NJ 08085

**Fax:** (856) 241-4670 x

**Other:** ( ) - x

**Type:**

**Email:** jhickey@rouxinc.com

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**Contact Type: Fees/Billing Contact**

**Organization:** City of Millville

**Org. Type:** Municipal

**Name:** Tiffany Arrowood

**NJ EIN:**

**Title:** Account Clerk

**Phone:** (856) 825-7000 x7300

**Mailing Address:** Post Office Box 609  
12 South High Street  
Millville, NJ 08332

**Fax:** ( ) - x

**Other:** ( ) - x

**Type:**

**Email:** tiffany.arrowood@millvillenj.gov

**New Jersey Department of Environmental Protection**  
**Facility Profile (General)**

**Contact Type: General Contact**

**Organization:** City of Millville

**Org. Type:** Municipal

**Name:** Michelle Nothaft

**NJ EIN:**

**Title:** Assistant Municipal Engineer

**Phone:** (856) 825-7000 x7723

**Mailing Address:** Post Office Box 609  
12 South High Street  
Millville, NJ 08332

**Fax:** ( ) - x

**Other:** ( ) - x

**Type:**

**Email:** Michelle.Nothaft@millvillenj.gov

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

**Organization:** City of Millville

**Org. Type:** Municipal

**Name:** Michelle Nothaft

**NJ EIN:**

**Title:** Assistant Municipal Engineer

**Phone:** (856) 825-7000 x7723

**Mailing Address:** Post Office Box 609  
12 South High Street  
Millville, NJ 08332

**Fax:** ( ) - x

**Other:** ( ) - x

**Type:**

**Email:** Michelle.Nothaft@millvillenj.gov

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**Contact Type: Responsible Official**

**Organization:** City of Millville

**Org. Type:** Municipal

**Name:** Michelle Nothaft

**NJ EIN:**

**Title:** Assistant Municipal Engineer

**Phone:** (856) 825-7000 x7723

**Mailing Address:** Post Office Box 609  
12 South High Street  
Millville, NJ 08332

**Fax:** ( ) - x

**Other:** ( ) - x

**Type:**

**Email:** Michelle.Nothaft@millvillenj.gov



MILLVILLE CITY MUNICIPAL LANDFILL (75524)

BOP210001

Date: 10/26/2023

**New Jersey Department of Environmental Protection  
Equipment Inventory**

<b>Equip. NJID</b>	<b>Facility's Designation</b>	<b>Equipment Description</b>	<b>Equipment Type</b>	<b>Certificate Number</b>	<b>Install Date</b>	<b>Grand- Fathered</b>	<b>Last Mod. (Since 1968)</b>	<b>Equip. Set ID</b>
E3	Fan #1 & 2	Closed Landfill with Gas Venting Exhaust Fan Assembly #1 and #2	Landfill			No	2/14/1997	
E4	CT Engine	CT 616 Compost Turner	Portable Engine			No		

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

75524 MILLVILLE CITY MUNICIPAL LANDFILL BOP210001 E3 (Landfill)  
Print Date: 7/3/2023

Solid Waste Facility  
Permit Number: 133533

Year Opened:

Solid Waste Facility Permit  
Issuance Date:

Expected Year of Closure:

Actual Year of Closure: 1986

Total Design Area (acres): 54.0

Total Design Capacity  
(million megagrams):

Active Area (acres):

Capped Area (acres): 54.0

Is the Landfill Lined? ☐ Yes ☒ No

Was the site used for the  
disposal of Hazardous  
Waste? ☐ Yes ☒ No

Was there ever co-disposal  
of Industrial Waste or  
reason to believe that the  
Waste Stream into the  
Landfill contained large  
Waste or volatile  
compounds from  
commercial sources?  
☐ Yes ☒ No

Maximum Estimated Landfill  
Gas Generation Rate during  
the life of the Landfill (ft<sup>3</sup>/yr):

Model used to estimate  
Landfill Gas Production:

Is there a Landfill Gas  
Pre-Treatment System? ☐ Yes ☒ No

Method of Landfill Gas  
Pre-Treatment:

Design Capacity of Landfill  
Gas Collection System (acfm):

Overall Collection Efficiency(%):

Landfill Gas Mover/Blower  
size (hp):

Number of Extraction Wells:

Extraction Well Diameter (ft):

Extraction Well Depth (ft):

Extraction Well Overlap (%):

Extraction Well Operating  
Vacuum (in. H<sub>2</sub>O):

Have you attached Actual  
Landfill Gas Analysis? ☐ Yes ☒ No

Have you attached a layout  
(plan view) of the wells and  
header piping? ☐ Yes ☒ No

Have you attached a waste

**75524 MILLVILLE CITY MUNICIPAL LANDFILL BOP210001 E3 (Landfill)**  
**Print Date: 7/3/2023**

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

☐ Yes ☒ No

Comments:

Landfill stopped accepting waste in 1983.

75524 MILLVILLE CITY MUNICIPAL LANDFILL BOP210001 E4 (Portable Engine)  
Print Date: 7/3/2023

Make:	<input type="text" value="John Deere"/>
Model:	<input type="text" value="RG6060HF"/>
Maximum Rated Horsepower (HP):	<input type="text" value="275"/>
Model Year:	<input type="text" value="2012"/>
Fuel Type:	<input type="text" value="Diesel"/>
Air Pollution Control Equipment:	<input type="text" value="Other (Explain)"/>
APC Equipment Description:	<input type="text" value="Donaldson Powercore with secondary filter"/>
Engine Certification:	<input type="text"/>
Engine Family Name:	<input type="text"/>
Engine Certification Description:	<input type="text"/>
Serial Number:	<input type="text"/>
Hour Meter Reading:	<input type="text"/>
Address Line 1:	<input type="text"/>
Address Line 2:	<input type="text"/>
Address Line 3:	<input type="text"/>
City:	<input type="text"/>
County:	<input type="text"/>
State:	<input type="text"/>
Zip Code:	<input type="text"/>

**MILLVILLE CITY MUNICIPAL LANDFILL (75524)**

Date: 10/26/2023

**BOP210001**

**New Jersey Department of Environmental Protection  
Control Device Inventory**

<b>CD NJID</b>	<b>Facility's Designation</b>	<b>Description</b>	<b>CD Type</b>	<b>Install Date</b>	<b>Grand-Fathered</b>	<b>Last Mod. (Since 1968)</b>	<b>CD Set ID</b>
CD1	CD1	Gas Venting Exhaust Fan Assembly #1 with Activated Carbon Filter (PCP970001)	Adsorber	8/1/1981	No	2/14/1997	
CD2	CD2	Gas Venting Exhaust Fan Assembly #2 with Activated Carbon Filter (PCP970001)	Adsorber	1/1/1999	No	2/14/1997	

75524 MILLVILLE CITY MUNICIPAL LANDFILL BOP220002 CD1 (Adsorber)  
Print Date: 5/8/2023

Make:	Activated Carbon
Manufacturer:	Baldor-Reliance, Baldor Electric Co.
Model:	L5028T
Adsorber Type:	Other
Description:	Activated Carbon Adsorber
Maximum Gas Flow Rate to Adsorber (acfm):	205
Maximum Temperature of Vapor Stream to Adsorber (°F):	96
Minimum Temperature of Vapor Stream to Adsorber (°F):	
Minimum Moisture Content of Vapor Stream to Adsorber (%):	0.4
Type of Adsorbant:	Activated Carbon Adsorber
Bed Height:	3
Bed Length:	
Bed Width:	2
Units:	Feet
Other Bed Dimension:	Cross Sect Area = 3.14 sq ft Bed Depth = 3 ft
Value:	
Units:	14.8 psia pressure drop across adsorber
Minimum Pressure Drop Across Adsorbant (in. H2O):	
Maximum Pressure Drop Across Adsorber (in. H2O):	
Total Weight of Adsorbant (lbs):	170
Total Weight of Adsorbant When Saturated (lbs):	205
Maximum Adsorbant Capacity (lbs Adsorbate/lbs Adsorbant):	
Minimum Adsorbant Capacity (lbs Adsorbate/lbs Adsorbant):	
Set-up Type:	
Method of Determining Breakthrough (check all that apply):	
Continuous Emissions Monitor (CEM):	<input type="checkbox"/>
Replacement By Weight:	<input type="checkbox"/>
Periodic Testing:	<input type="checkbox"/>
Sampling Frequency:	
Sampling Device:	
Other:	<input type="checkbox"/>
Description:	
Minimum Concentration at Breakthrough (ppmvd):	
Handling Method of Saturated Adsorbant:	
Method of Regeneration:	

75524 MILLVILLE CITY MUNICIPAL LANDFILL BOP220002 CD1 (Adsorber)  
Print Date: 5/8/2023

Maximum Number of Sources  
Using this Apparatus as a Control  
Device (Include Permitted and  
Non-Permitted Sources):

Alternative Method to Demonstrate  
Control Apparatus is Operating  
Properly:

Have you attached data from  
recent performance testing?

☐ Yes ☒ No

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

☐ Yes ☒ No

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

☐ Yes ☒ No

Comments:

Baldor-Reliance, Model: L5028T,  
3HP,3450RPM,1PH,60HZ Motor



75524 MILLVILLE CITY MUNICIPAL LANDFILL BOP220002 CD2 (Adsorber)  
Print Date: 5/8/2023

Make:	Activated Carbon
Manufacturer:	Spencer Centrifugal Blower
Model:	M0705-SS
Adsorber Type:	Other
Description:	Activated Carbon Adsorber
Maximum Gas Flow Rate to Adsorber (acfm):	330
Maximum Temperature of Vapor Stream to Adsorber (°F):	68
Minimum Temperature of Vapor Stream to Adsorber (°F):	
Minimum Moisture Content of Vapor Stream to Adsorber (%):	2.3
Type of Adsorbant:	Activated Carbon Adsorber
Bed Height:	3
Bed Length:	
Bed Width:	2
Units:	Feet
Other Bed Dimension:	Cross Sect Area = 3.14 sq ft Bed Depth = 3 ft
Value:	
Units:	14.8 psia pressure drop across adsorber
Minimum Pressure Drop Across Adsorbant (in. H2O):	
Maximum Pressure Drop Across Adsorber (in. H2O):	
Total Weight of Adsorbant (lbs):	140
Total Weight of Adsorbant When Saturated (lbs):	190
Maximum Adsorbant Capacity (lbs Adsorbate/lbs Adsorbant):	
Minimum Adsorbant Capacity (lbs Adsorbate/lbs Adsorbant):	
Set-up Type:	
Method of Determining Breakthrough (check all that apply):	
Continuous Emissions Monitor (CEM):	<input type="checkbox"/>
Replacement By Weight:	<input type="checkbox"/>
Periodic Testing:	<input type="checkbox"/>
Sampling Frequency:	
Sampling Device:	
Other:	<input type="checkbox"/>
Description:	
Minimum Concentration at Breakthrough (ppmvd):	
Handling Method of Saturated Adsorbant:	
Method of Regeneration:	

75524 MILLVILLE CITY MUNICIPAL LANDFILL BOP220002 CD2 (Adsorber)  
Print Date: 5/8/2023

Maximum Number of Sources  
Using this Apparatus as a Control  
Device (Include Permitted and  
Non-Permitted Sources):

Alternative Method to Demonstrate  
Control Apparatus is Operating  
Properly:

Have you attached data from  
recent performance testing?

☐ Yes ☒ No

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

☐ Yes ☒ No

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

☐ Yes ☒ No

Comments:

Blower system by Garage, Balder Motor  
#SAG136634

**MILLVILLE CITY MUNICIPAL LANDFILL (75524)**

Date: 10/26/2023

**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.		
PT1	Fan #1	Stack for Exhaust Fan Assembly #1	Round	8	30	75	70.0			205.0	0.0	205.0	Up	
PT2	Fan #2	Stack for Exhaust Fan Assembly #2	Round	6	30	170	70.0			330.0	0.0	330.0	Up	
PT3	CT Engine	CT616 Compost Turner Exhaust	Round	4	12				900.0		0.0	1,720.0	Up	

**MILLVILLE CITY MUNICIPAL LANDFILL (75524)**  
**BOP210001**

Date: 10/26/2023

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

**U 1 Fan 1 and 2 Closed Landfill with Gas Venting System - Exhaust Fan Assembly #1 and #2**

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS1	Fan #1	Gas Venting Exhaust Fan Assembly #1 with Activated Carbon Filter	Normal - Steady State	E3	CD1 (P)	PT1	5-02-001-01	8,760.0	8,760.0	A	205.0	205.0	70.0	70.0
OS2	Fan #2	Gas Venting Exhaust Fan Assembly #2 with Activated Carbon Filter	Normal - Steady State	E3	CD2 (P)	PT2	5-02-001-01	8,760.0	8,760.0	A	330.0	330.0	70.0	70.0

**U 2 CT Engine CT616 Compost Turner (John Deere RG6060HF Engine)**

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	CT Engine	CT616 Compost Turner (John Deere RG6060HF Engine)	Normal - Steady State	E4		PT3	2-70-003-20	0.0	104.0	A	0.0	11,720.0	990.0	