



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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PHILIP D. MURPHY
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SHAWN M. LATOURETTE
COMMISSIONER

Air Pollution Control Operating Permit Renewal

Permit Activity Number: BOP180001

Program Interest Number: 26209

Mailing Address	Plant Location
FREDERICK CARR BUSINESS ADMINISTRATOR PARSIPPANY TROY HILLS TWP 1001 PARSSIPANY BLVD Parsippany, NJ 07054-1222	PARSIPPANY TROY HILLS TOWNSHIP WASTEWATER TRE 1139 Edwards Rd Parsippany Morris County

Initial Operating Permit Approval Date: November 1, 2004

Operating Permit Approval Date: Draft

Operating Permit Expiration Date:

AUTHORITY AND APPLICABILITY

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

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

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

PERMIT SHIELD

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

COMPLIANCE SCHEDULES

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

COMPLIANCE CERTIFICATIONS AND DEVIATION REPORTS

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

ACCESSING PERMITS

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

HELPLINE

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

RENEWING YOUR OPERATING PERMIT AND APPLICATION SHIELD

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

COMPLIANCE ASSURANCE MONITORING

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

ADMINISTRATIVE HEARING REQUEST

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

If you have any questions regarding this permit approval, please call Brian Reilly at (609) 633-8245.

Approved by:

Art Lehberger

Enclosure

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

Facility Name: PARSIPPANY TROY HILLS TOWNSHIP WASTEWATER TRE
Program Interest Number: 26209
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Section A

Facility Name: PARSIPPANY TROY HILLS TOWNSHIP WASTEWATER TRE

Program Interest Number: 26209

Permit Activity Number: BOP180001

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	1.01	2.29	1.07	NA	NA	NA	NA	NA	NA	
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	1.01	2.29	1.07	NA	NA	NA	NA	NA	NA	16,776

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	2.59	0.44	0.35	0.004	0.04	0.04	0.04	NA	NA
Non-Source Fugitive Emissions	0.13	0.4	0.03	0.38	0.09	0.02	0.02	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.

Section A

Facility Name: PARSIPPANY TROY HILLS TOWNSHIP WASTEWATER TRE

Program Interest Number: 26209

Permit Activity Number: BOP180001

POLLUTANT EMISSIONS SUMMARY

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

HAP	TPY
NA	

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

Other Air Contaminant	TPY
Ammonia	0.0483
Methane	0.00974

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

Section B

Facility Name: PARSIPPANY TROY HILLS TOWNSHIP WASTEWATER TRE

Program Interest Number: 26209

Permit Activity Number: BOP180001

GENERAL PROVISIONS AND AUTHORITIES

1. No permittee shall allow any air contaminant, including an air contaminant detectable by the sense of smell, to be present in the outdoor atmosphere in a quantity and duration which is, or tends to be, injurious to human health or welfare, animal or plant life or property, or which would unreasonably interfere with the enjoyment of life or property. This shall not include an air contaminant that occurs only in areas over which the permittee has exclusive use or occupancy. Requirements relative only to nuisance situations, including odors, are not considered federally enforceable. [N.J.A.C. 7:27-22.16(g)8]
2. Any deviation from operating permit requirements which results in a release of air contaminants shall be reported to the Department as follows:
 - a. If the air contaminants are released in a quantity or concentration which poses a potential threat to public health, welfare or the environment or which might reasonably result in citizen complaints, the permittee shall report the release to the Department:
 - i. Immediately on the Department hotline at 1-(877) 927-6337, pursuant to N.J.S.A. 26:2C-19(e); and
 - ii. As part of the compliance certification required in N.J.A.C. 7:27-22.19(f). However, if the deviation is identified through source emissions testing, it shall be reported through the source emissions testing and monitoring procedures at N.J.A.C. 7:27-22.18(e)3; or
 - b. If the air contaminants are released in a quantity or concentration which poses no potential threat to public health, welfare or the environment and which will not likely result in citizen complaints, the permittee shall report the release to the Department as part of the compliance certification required in N.J.A.C. 7:27-22.19(f), except for deviations identified by source emissions testing reports, which shall be reported through the procedures at N.J.A.C. 7:27-22.18(e)3; or
 - c. If the air contaminants are released in a quantity or concentration which poses no potential threat to public health, welfare or the environment and which will not likely result in citizen complaints, and the permittee intends to assert the affirmative defense afforded by N.J.A.C. 7:27-22.16(l), the violation shall be reported by 5:00 PM of the second full calendar day following the occurrence, or of becoming aware of the occurrence, consistent with N.J.A.C. 7:27-22.16(l). [N.J.A.C. 7:27-22.19(g)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 <http://www.nj.gov/dep/aqpp/applying.html> (Attachment to the RADIUS Operating Permit Renewal Application). Both the RADIUS application and the Application Attachment, along with any other supporting documents must be submitted using the Department's Portal

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

21. For all source emissions testing performed at the facility, the phrase “worst case conditions without creating an unsafe condition” used in the enclosed compliance plan is consistent with EPA’s National Stack Testing Guidance, dated April 27, 2009, where all source emission testing performed at the facility shall be under the representative (normal) conditions that:
 - i. Represent the range of combined process and control measure conditions under which the facility expects to operate (regardless of the frequency of the conditions); and
 - ii. Are likely to most challenge the emissions control measures of the facility with regard to meeting the applicable emission standards, but without creating an unsafe condition.
22. Consistent with EPA’s National Stack Testing Guidance and Technical Manual 1004, a facility may not stop an ongoing stack test because it would have failed the test unless the facility also ceases operation of the equipment in question to correct the issue. Stopping an ongoing stack test in these instances will be considered credible evidence of emissions non-compliance.
23. Each permittee shall maintain records of all source emissions testing or monitoring performed at the facility and required by the operating permit in accordance with N.J.A.C. 7:27-22.19. Records shall be maintained, for at least five years from the date of each sample, measurement, or report. Each permittee shall maintain all other records required by this operating permit for a period of five years from the date each record is made. At a minimum, source emission testing or monitoring records shall contain the information specified at N.J.A.C. 7:27-22.19(b). [N.J.A.C. 7:27-22.19(a) and N.J.A.C. 7:27-22.19(b)]
24. A Permittee may seek the approval of the Department for a delay in testing required pursuant to this permit by submitting a written request to the appropriate Regional Enforcement Office in accordance with N.J.A.C. 7:27-22.18(k). A Permittee may also seek advanced approval for a longer period for submittal of a source emissions test report required by the permit by submitting a request to the Department’s Regional Enforcement Office in accordance with N.J.A.C. 7:27-22.19. [N.J.A.C. 7:27-22.18(k) and N.J.A.C. 7:27-22.19]
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: PARSIPPANY TROY HILLS TOWNSHIP WASTEWATER TRE

Program Interest Number: 26209

Permit Activity Number: BOP180001

STATE-ONLY APPLICABLE REQUIREMENTS

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

STATE-ONLY APPLICABLE REQUIREMENTS

The following applicable requirements are not federally enforceable:

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

Facility Name: PARSIPPANY TROY HILLS TOWNSHIP WASTEWATER TRE
Program Interest Number: 26209
Permit Activity Number: BOP180001

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	
IS3	Small Natural Gas Combustion Sources (each <1 MMBTU/hr max. heat input)	7
IS16	Six Insignificant Storage Tanks (Non-Applicable VOC (<0.02 psia) Storage Tanks <= 10,000 gallons)	8
IS30	Wastewater Treatment Plant Sources (wastewater concentration < 100 ppb by wt. any TXS, < 3,500 ppb by wt. of total VOC)	9

Emission Units (U):

U NJID	U Designation	U Description	
U1	Sludge Proc.	Sludge Processing Operation (Sludge Blending, Sludge Handling Sources, Conveyors, Belt Filter Presses and Cake Receiving Container)	10
U50	Heater DG-Q	1.2 MMBTU/hr - Direct Gas Heater - Quonset Hut	12
U600	Diesel EGs	Emergency Generators	14
U1101	Gas Storage	2,000 Gallon Aboveground Gasoline Storage Tank and Dispensing Station	26

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

Permit Being Modified

Permit Class: BOP **Number:** 190002

Description of Modifications: Five Year Renewal Operating Permit, incorporating minor modification BOP200001. The following changes are made to the operating permit during this renewal process:

1. U101 Multiple Hearth Incinerator #1 and #2 were removed from permit. Equipment E101 Incinerator #1 and E201 Incinerator #2 were deleted from equipment inventory. The associated emission points PT1 Incinerator #1 stack and PT2 Incinerator #2 stack were removed from emission points inventory. The associated control devices CD101 Scrubber 1, CD102 Afterburner 1 for Incinerator #1, CD201 Scrubber 2 and CD202 Afterburner 2 for Incinerator #2 were removed from control device inventory.
2. U1201 Pneumatic Transport of Incinerator Ash was removed from permit. Equipment E1201 Ash Handling was deleted from equipment inventory. The associated emission point PT12 and associated control CD1201 Baghouse for U1201 were removed from permit.
3. U1 Sludge Processing Operations - Operating Scenarios OS7 Thickener #1 and OS8 Thickener #2 were removed from permit. Equipment E40 Thickener #1 and E41 Thickener #2 were deleted from equipment inventory. The associated emission points PT40 and PT41 were removed from emission points inventory. The U1 OS Summary Ref.#3 upon request odor applicable requirement was removed from the permit. U1 OS Summary and Operating Scenario OS1 emission calculation frequency updated from annually to monthly.
4. Emergency Generators E301, E401, E501, E601, E701, E801, E901 and E1001 were deleted from equipment inventory. The emission units U301 and U501 were removed from permit. The associated emission points PT5, PT6, PT7, PT8, PT14, PT15, PT16, and PT17 were removed from emission points inventory.
5. U1101 2000 gal. Aboveground Gasoline Storage Tank and Dispensing Station updated the applicable requirements per latest N.J.A.C. 7:27-16.3 requirements. Added MACT Subpart A requirements and MACT Subpart CCCCC Gasoline Dispensing Facilities requirements.
6. U600 Emergency Generators - 2 Emergency Generators E7 and E8 with approved general operating permits, BOP210001 and BOP210002, were incorporated into the Title V Operating Permit.
7. U50 1.2 MMBTU/hr - Direct Gas Heater - Quonset Hut - updated annual fuel usage basis to reference any consecutive 12-month period.
8. IS50 removed from operating permit. IS16 and IS30 updated to reflect current equipment on site.
9. U1500 FOG/Septage Dewatering Facility removed from operating permit. Associated equipment E1501, E1502, E1601, E1602, E1603, E1604, E1605, E1701, E1702, E1703, E1801, E1901, E1902, E1903, E1904, E2002, E2101, E2102, emission points PT1501, PT1601, PT1602, PT1903, PT1904, PT2002, PT2101, control device CD1501 Biofilter 1, and applicable requirements were removed from permit.
10. Operating Permit Section A Pollutant Emissions Summary for Significant and Insignificant Sources, Non-Source Fugitive Emissions and CO_{2e} PTE emissions were updated accordingly.
11. Updated the General Description citations for federal requirements MACT Subpart A, MACT Subpart CCCCC, NSPS Subpart A and NSPS Subpart IIII for emission units U600 and U1101.
12. Updated Air Permit Information Contact, Fee/Billing Contact, Consultant, and Responsible Official Contact.
13. The changes made to this operating permit renewal result in allowable annual emissions

New Jersey Department of Environmental Protection
Reason for Application

changes as follows: Increase of Methane by 0.00974 tpy and Ammonia by 0.0483 tpy, and decrease of VOC by 0.219 tpy, CO by 1.68 tpy, NOx by 1.28 tpy, SO2 by 0.509 tpy, TSP by 0.934 tpy, PM10 by 0.954 tpy.

BOP180001

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

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

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

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

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

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Facility Specific Requirements**

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

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

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

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

Subject Item: IS3 Small Natural Gas Combustion Sources (each <1 MMBTU/hr max. heat input)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	No visible emissions exclusive of visible condensed water vapor, except for a period no more than 3 minutes in any consecutive 30-minute period. [N.J.A.C. 7:27 - 3.2(a)] and [N.J.A.C. 7:27- 3.2(c)]	None.	None.	None.

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

Subject Item: IS16 Six Insignificant Storage Tanks (Non-Applicable VOC (<0.02 psia) Storage Tanks < = 10,000 gallons)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Sulfur Content in Fuel <= 15 ppmw (0.0015% by weight). [N.J.A.C. 7:27-9.2(a)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	None.
2	Fuel stored in New Jersey that met the applicable maximum sulfur content standard of Tables 1A or 1B of N.J.A.C. 7:27-9.2 at the time it was stored in New Jersey may be used in New Jersey after the operative date of the applicable standard in Table 1B. [N.J.A.C. 7:27- 9.2(a)]	None.	None.	None.
3	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.

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Facility Specific Requirements**

Subject Item: IS30 Wastewater Treatment Plant Sources (wastewater concentration < 100 ppb by wt. any TXS, < 3,500 ppb by wt. of total VOC)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Insignificant Wastewater Treatment Sources include Two (2) Grit Chambers, Six (6) Primary Settling Tanks, Ten (10) Aeration Basins, Four (4) Secondary Settling Tanks, Two (2) Disinfection Contact Tanks, Two (2) Post Aeration Tanks, Interconnecting piping and channels. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
2	VOC (Total): Maximum wastewater concentration of these insignificant sources < 100 ppb by weight of any TXS and < 3500 ppb by weight of total VOC. [N.J.A.C. 7:27-22.1]	None.	None.	None.

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Facility Specific Requirements

Emission Unit: U1 Sludge Processing Operation (Sludge Blending, Sludge Handling Sources, Conveyors, Belt Filter Presses and Cake Receiving Container)

Operating Scenario: OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	VOC (Total) <= 0.613 tons/yr from the conveyors. [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by calculations each month during operation, based on a 12 calendar month period based upon operating time, sludge throughput and total VOC concentration in sludge as computed from industrial wastewater flow and sludge contribution using emission estimation programs and application of a mass balance, or as determined from periodic sampling and analytical laboratory testing of sludge. [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 each month during operation based on any 12 consecutive months period. Maintain records of all VOC (Total) emission calculations, monitoring records and supporting documentation, including analytical laboratory sampling and testing results of sludge. [N.J.A.C. 7:27-22.16(o)]	None.
2	Emissions of all air contaminants, including VOC (total), from Belt Filter Press 1 (E3), Belt Filter Press 2 (E4), Sludge Blending Tank 1 (E5), Sludge Blending Tank 2 (E6), Gravabelt Thickener #1 (E42), Gravabelt Thickener #2 (E45), Primary Vessel (E43), Secondary Vessel (E44) and Cake Receiving Container (E1203) are below the respective reporting thresholds specified in N.J.A.C. 7:27-22, Appendix, Table A and N.J.A.C. 7:27-17, Tables 3A and 3B. [N.J.A.C. 7:27-22.16(a)]	Monitored by calculations each month during operation, based on a 12 calendar month period based upon operating time, sludge throughput and total VOC concentration in sludge as computed from industrial wastewater flow and sludge contribution using emission estimation programs and application of a mass balance, or as determined from periodic sampling and analytical laboratory testing of sludge. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. All VOC (Total) emission calculations shall be based on 12 consecutive months period. The monitoring records and supporting documentation, including analytical laboratory sampling and testing results of sludge (where applicable) shall be kept on-site or at the permittee's main office, readily made available to the Department upon request. [N.J.A.C. 7:27-22.16(o)]	None.
3	Total Throughput <= 1.75 tons/hr of Influent Sludge throughput (dry basis) from the sludge blending, conveyors, belt filter presses and cake receiving container sources. [N.J.A.C. 7:27-22.16(a)]	Total Throughput: Monitored by material feed/flow monitoring continuously. The permittee shall monitor the hourly amount of influent sludge waste processed, using weigh belt scales and/or common materials feed flow monitoring tools. [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 once per calendar day during operation. [N.J.A.C. 7:27-22.16(o)]	None.
4	The permittee shall measure the VOC concentration in the influent sludge waste material. [N.J.A.C. 7:27-22.16(a)]	Monitored by sludge sampling each month during operation. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by certified lab analysis results each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.

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

Emission Unit: U1 Sludge Processing Operation (Sludge Blending, Sludge Handling Sources, Conveyors, Belt Filter Presses and Cake Receiving Container)

Operating Scenario: OS1 Sludge Conveyors

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Conveyors shall have skirts installed at critical sludge transfer point locations as necessary, to minimize spills and air contaminant emissions. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
2	VOC (Total) <= 0.14 lb/hr from the conveyors. [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by calculations each month during operation. Hourly emissions of VOC (Total) shall be calculated based on total VOC concentration in influent sludge waste material, and maximum total sludge waste material throughput. [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 each month during operation. The permittee shall maintain hourly VOC (Total) emission calculations and corresponding sludge waste material throughput, including industrial contribution, and any analytical data. [N.J.A.C. 7:27-22.16(o)]	None.

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Facility Specific Requirements

Emission Unit: U50 1.2 MMBTU/hr - Direct Gas Heater - Quonset Hut

Operating Scenario: OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	No visible emissions exclusive of visible condensed water vapor, except for a period no more than 3 minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
2	Heater fuel is limited to Natural Gas. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	Natural Gas Usage ≤ 10.3 MMft ³ per any 12 consecutive month period, based on 8,760 hours per year of operation. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	CO ≤ 1.07 tons/yr based on natural gas usage limit. [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: U50 1.2 MMBTU/hr - Direct Gas Heater - Quonset Hut

Operating Scenario: OS1 Direct Gas Heater

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.72 lb/hr from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 1.2 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	CO <= 0.244 lb/hr based on ASTM standards. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Maximum emission rates of VOC, NOx, SO2, TSP, PM10 and PM2.5 are each below their respective reporting threshold of 0.05 lb/hr as listed in N.J.A.C. 7:27-22. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

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Emission Unit: U600 Emergency Generators

Operating Scenario: OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Summary of Applicable Federal Regulations: 40 CFR Part 60 Subpart A 40 CFR Part 60 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	Sulfur Content in Fuel <= 15 ppmw (0.0015% by weight). [N.J.A.C. 7:27- 9.2(b)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	None.
4	Fuel stored in New Jersey that met the applicable maximum sulfur content standard of Tables 1A or 1B of N.J.A.C. 7:27-9.2 at the time it was stored in New Jersey may be used in New Jersey after the operative date of the applicable standard in Table 1B. [N.J.A.C. 7:27- 9.2(b)]	None.	None.	None.
5	Generator fuel limited to # 2 fuel oil or diesel fuel. [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
6	<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> <p>1. During the performance of normal testing and maintenance procedures, as recommended in writing by the manufacturer and/or as required in writing by a Federal or State law or regulation,</p> <p>2. When there is power outage or the primary source of mechanical or thermal energy fails because of an emergency, or when the power disruption resulted from construction, repair, or maintenance activity (CRM) at the facility. Operation of the emergency generator under construction, repair, or maintenance activity is limited to 30 days in any calendar year; or</p> <p>3. When there is a voltage reduction issued by PJM and posted on the PJM internet website (www.pjm.com) under the "emergency procedures" menu. [N.J.A.C. 7:27-19.1]</p>	<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; hours of operation during power disruption resulted from construction, repair and maintenance activity (CRM) at the facility; 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).</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 and maintenance) – (The monthly total operating time due to power disruption resulted from construction, repair, or maintenance activity not counting operation during the performance of normal testing and maintenance procedures). [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. Record the following information:</p> <p>1. Once per month, the total operating time from the generator's hour meter, the fuel usage (gallons per month), and the monthly hours of operation for emergency use and during power disruption from CRM. Document if the emergency use was due to internal or external loss of primary source of energy, or due to a fire or flood. If internal loss at the facility, document the emergency and/or CRM that occurred, the damages to the primary source of energy and the amount of time needed for repairs.</p> <p>2. For each time the emergency generator is specifically operated for testing or maintenance:</p> <ul style="list-style-type: none"> i. The reason for its operation; ii. The date(s) of operation and the start up and shut down time; iii. The total operating time for testing or maintenance based on the generator's hour meter; and iv. The name of the operator; and <p>3. If a voltage reduction is the reason for the use of the emergency generator, a copy of the voltage reduction notification from PJM or other documentation of the voltage reduction.</p> <p>The owner or operator of shall maintain the above records for at least 5 years after the record was made and shall make the records readily available to the Department or the EPA. [N.J.A.C. 7:27-22.16(o)] and [N.J.A.C. 7:27-19.11]</p>	None.

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Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	The Emergency Generator may be operated at other locations (within the State of New Jersey) only in the event of an emergency, as defined at N.J.A.C. 7:27-19.1. [N.J.A.C. 7:27-22.16(a)]	Monitored by hour/time monitor upon occurrence of event. [N.J.A.C. 7:27-22.16(o)]	<p>Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. 1. For each time the emergency generator is operated at a location other than the facility for which it is originally permitted in the event of an emergency, the Permittee of the emergency generator shall record the following: i) Document the location (name of facility with address) where the emergency generator is operated; ii) Document the emergency that occurred and describe whether the emergency was due to internal or external loss of primary source of energy at the location; iii) If emergency is due to internal loss at the location, document the damages to the primary source of energy and the amount of time needed for repairs; iv) Document the date(s) of operation and the start up and shut down time on each date; v) Document the total operating time at the location based on the generator's hour meter and the total amount of fuel and fuel type used for the duration of the emergency; vi) The name and contact information of the operator of the emergency generator at the location.</p> <p>2. If a voltage reduction is the reason for the use of the emergency generator, a copy of the voltage reduction notification from PJM or other documentation of the voltage reduction.</p> <p>The Permittee of the emergency generator shall have the above records on site within 30 days of the occurrence of the emergency event, maintain the record for a period of no less than 5 years after the record was made, and shall make the records readily available to the Department or the EPA upon request. [N.J.A.C. 7:27-22.16(o)]</p>	Submit notification: Upon occurrence of event the Permittee of the emergency generator must submit the Recordkeeping Requirements to the Regional Enforcement Office within 30 days of the occurrence of the emergency event. [N.J.A.C. 7:27-22.16(o)]

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
8	<p>This emergency generator shall not be used:</p> <p>1. For normal testing and maintenance on days when the Department forecasts air quality anywhere in New Jersey to be "unhealthy for sensitive groups," "unhealthy," or "very unhealthy" as defined in the EPA's Air Quality Index at http://airnow.gov/, as supplemented or amended and incorporated herein by reference, unless required in writing by a Federal or State law or regulation. Procedures for determining the air quality forecasts for New Jersey are available at the Department's air quality permitting web site at http://www.state.nj.us/dep/aqpp/aqforecast; and</p> <p>2. As a source of energy or power after the primary energy or power source has become operable again after emergency or after power disruption resulted from construction, repair, or maintenance activity. Operation of the emergency generator during construction, repair, or maintenance activity shall be limited to no more than 30 days of operation per calendar year. If the primary energy or power source is under the control of the owner or operator of the emergency generator, the owner or operator shall make a reasonable, timely effort to repair the primary energy or power source. [N.J.A.C. 7:27-19.2(d)]</p>	None.	None.	None.
9	NOx (Total) <= 2.29 tons/yr. Annual emission limit based on the permitted hours per year of operation. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
10	VOC (Total) <= 0.0985 tons/yr. Annual emission limit based on the permitted hours per year of operation. [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
11	Ammonia <= 0.0483 tons/yr Annual emission limit based on the permitted hours per year of operation. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
12	Methane <= 0.00974 tons/yr. Annual emission limit based on the permitted hours per year of operation. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
13	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.
14	All requests, reports, applications, submittals, and other communications to the Administrator pursuant to Part 60 shall be submitted in duplicate to the Regional Office of US Environmental Protection Agency. Submit information to: Director, Division of Enforcement & Compliance Assistance, US EPA, Region 2, 290 Broadway, New York, NY 10007-1866. (NSPS Subpart A) [40 CFR 60.4(a)]	None.	None.	Submit a report: As per the approved schedule to EPA Region 2 as required by 40 CFR 60. [40 CFR 60.4(a)]
15	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)]

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Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
16	The owner or operator shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility, any malfunction of air pollution control equipment or any periods during which continuous monitoring system or monitoring device is inoperative. (NSPS Subpart A) [40 CFR 60.7(b)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The records should be kept in a permanent form suitable for inspections. [40 CFR 60.7(b)]	Submit an Excess Emissions and Monitoring Systems Performance Report (EEMPR): Semi-annually beginning on the 30th day of the 6th month following initial performance tests. The report shall contain the information required in 40 CFR 60.7(b) and be postmarked by the 30th day following the end of each six-month period. The report shall be submitted to the EPA Region 2 Administrator and the appropriate Regional Enforcement Office of NJDEP and be in the format specified at 40 CFR Part 60.7(c) and 40 CFR Part 60.7(d). [40 CFR 60.7(c)]
17	The owner or operator shall maintain a file, suitable for inspection, of all monitoring measurements as indicated in Recordkeeping Requirement column. (NSPS Subpart A) [40 CFR 60.7(f)]	None.	Other: The file shall include all measurements (including continuous monitoring system, monitoring device, and performance testing measurements), all continuous monitoring system performance evaluations, all continuous monitoring system or monitoring device calibration checks, all adjustments/maintenance performed on these systems or devices, and all other information required by 40 CFR Part 60 recorded in a permanent form suitable for inspection. The file shall be retained for at least two years following the dates of the record, except as prescribed in 40 CFR 60.7(f)(1) through (3). Sources subject to 40 CFR 70, are required to retain records of all required monitoring data and support information for a period of at least 5 years from the date of the monitoring sample, measurement, report, or application, per 40 CFR 70.6(a)(3)(ii)(B). [40 CFR 60.7(f)].	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
18	At all times, including periods of start-up, shutdown, and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, opacity observations, review of operation and maintenance procedures, and inspection of the source. (NSPS Subpart A) [40 CFR 60.11(d)]	None.	None.	None.
19	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.
20	Upon modifications, emission rates for an affected facility shall be expressed as kg/hr of any pollutant discharged into the atmosphere for which a standard applies.(NSPS Subpart A) [40 CFR 60.14(b)]	None.	None.	None.
21	The provisions set forth under an applicable subparts of 40 CFR Part 60 supersede conflicting provisions listed under Modification in 40 CFR Part 60.14. (NSPS Subpart A) [40 CFR 60.14(f)]	None.	None.	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
22	Compliance with all applicable standards must be achieved within 180 days of completion of any physical or operational change subject to the control measures specified in 40 CFR Part 60.14(a).(NSPS Subpart A) [40 CFR 60.14(g)]	None.	None.	None.
23	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)]
24	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.
25	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 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
26	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.
27	The owner or operator that must comply with the emission standards specified in NSPS IIII must operate and maintain the stationary CI internal combustion engine and control device, except as permitted under 40 CFR 60.4211(g), according to the manufacturer's emission-related written instructions. In addition, owners and operators may only change emission-related settings that are permitted by the manufacturer. The owner or operator must also meet the requirements of 40 CFR parts 89, 94 and/or 1068, as applicable (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.

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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). [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 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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Facility Specific Requirements

Emission Unit: U600 Emergency Generators

Operating Scenario: OS1 Emergency Generator 1, OS2 Emergency Generator 2

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 5.99 lb/hr Particulate emission limit from the combustion of fuel based on the rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 9.99 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing the maximum heat input rate. [N.J.A.C. 7:27-22.16(o)].	None.
3	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 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.
4	VOC (Total) <= 2.43 lb/hr based on manufacturer's emission factor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	NOx (Total) <= 23.5 lb/hr based on manufacturer's emission factor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Maximum emission rates of CO, SO ₂ , TSP, PM-10 and PM-2.5 are each below their respective reporting threshold of 0.05 lb/hr as listed in N.J.A.C. 7:27-22, Appendix. [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
7	Ammonia \leq 0.483 lb/hr based on emission factor from EPA's 2004 Final Draft Report on Estimating Ammonia Emissions from Anthropogenic Nonagricultural Sources. . [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Methane \leq 0.0974 lb/hr based on AP-42 emission factor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	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 ≤ 6.4 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. [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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Emission Unit: U1101 2,000 Gallon Aboveground Gasoline Storage Tank and Dispensing Station

Operating Scenario: OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Summary of Applicable Federal Regulations: 40 CFR Part 63 Subpart A 40 CFR Part 63 Subpart CCCCCC [40 CFR Federal Rules Summary]	None.	None.	None.
2	Above ground fuel storage tank(s) exposed to the sun's rays must be painted white, except that this provision shall not apply to words and logograms applied to the external surface of the storage tank for purposes of identification provided such symbols do not cover more than 20 percent of the external surface area of the tank's sides and top or more than 200 square feet (18.6 square meters), whichever is less. [N.J.A.C. 7:27-16.2(b)1i]	Monitored by visual determination twice a year, based on an instantaneous determination. The Permittee shall visually inspect the exterior condition of the tank(s) every 6 months. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system twice a year. The Permittee shall record in either a log book or in readily accessible computer files, exterior paint condition of each tank every 6 months. [N.J.A.C. 7:27-22.16(o)]	Repair equipment: Upon occurrence of event. The permittee shall paint the exterior of the tank white if the visual inspection indicates that 30% or greater of the exterior conditions needs to be repainted. [N.J.A.C. 7:27-16.16(o)]
3	The permittee shall maintain records specifying each VOC stored and the vapor pressure of each VOC at standard conditions. [N.J.A.C. 7:27-16.2(s)]	None.	Other: The permittee shall maintain tank records specifying each VOC stored and the vapor pressure of each VOC at standard conditions. Storage tank records for each VOC shall consist of fuel delivery receipts. [N.J.A.C. 7:27-22.16(o)].	None.
4	The transfer of gasoline into a receiving vessel shall be made through a submerged fill pipe. If the receiving vessel is a stationary storage tank (either above ground or underground), the submerged fill pipe shall be permanently affixed to the tank. [N.J.A.C. 7:27-16.3(c)1i]	None.	None.	None.
5	The transfer of gasoline from any delivery vessel into any stationary storage tank shall only occur if the storage tank meets the requirements of N.J.A.C. 7:27-16.2. [N.J.A.C. 7:27-16.3(d)]	None.	None.	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
6	The tank shall be equipped with a Phase I vapor recovery system that reduces the total applicable VOC emissions into the outdoor atmosphere by no less than 98% of the concentration of applicable VOC by volume in the air-vapor mixture displaced during the transfer of gasoline. [N.J.A.C. 7:27-16.3(d)1]	None.	None.	None.
7	The tank shall be equipped with a pressure/vacuum relief valve on each atmospheric vent. [N.J.A.C. 7:27-16.3(d)2]	None.	None.	None.
8	The tank shall be equipped with a CARB-certified Phase I Enhanced Vapor Recovery system pressure/vacuum relief vent valve. [N.J.A.C. 7:27-16.3(d)3]	None.	None.	None.
9	The tank shall be equipped with a CARB-certified Phase I enhanced vapor recovery (EVR) system, including a dual point vapor balance system, the components of which shall have been approved in one or more CARB-certified Phase I EVR System executive orders in effect at the time of installation, but the components need not all be approved in the same executive order. A Phase I vapor recovery system installed before December 23, 2017, shall comply with this paragraph on or before December 23, 2024. However, a Phase I VRS that is using a single point vapor balance system (coaxial) installed before December 23, 2017, is not required to install a dual point vapor balance system or rotatable adapters and does not need to comply with EVR requirements. [N.J.A.C. 7:27-16.3(d)4]	None.	None.	None.
10	During the transfer of gasoline into any gasoline-laden vehicular fuel tank, any person refueling a vehicle shall prevent overfilling and spillage and shall not allow the transfer of gasoline to continue after the nozzle automatic shut-off point. [N.J.A.C. 7:27-16.3(g)1]	None.	None.	None.

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

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

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

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
21	The permittee shall maintain a record of the monthly throughput of gasoline. [N.J.A.C. 7:27-16.3(t)1]	None.	None.	None.
22	VOC (Total) <= 0.3 tons/yr based on annual throughput limit. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
23	Total Throughput <= 18,200 gallons of gasoline for any 12 consecutive months period. [N.J.A.C. 7:27-22.16(a)]	Total Throughput: Monitored by material feed/flow monitoring each month during operation. Permittee shall monitor monthly gasoline throughput by inspecting fuel flow totalizer on each pump once daily. The Permittee shall sum the monthly throughput and the previous eleven (11) months to obtain the annual throughput. [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. Permittee shall record the monthly gasoline throughput rates. All records must be maintained on site for a minimum of 5 years and made readily accessible to the Department upon request. [N.J.A.C. 7:27-22.16(o)]	None.
24	Total Throughput < 10,000 gallons in any month. [N.J.A.C. 7:27-22.16(a)]	Total Throughput: Monitored by material feed/flow monitoring continuously. [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. Monthly throughput shall be calculated by summing the volume of gasoline loaded into, or dispensed from, all gasoline storage tanks at each GDF during the current day, plus the total volume of gasoline loaded into, or dispensed from, all gasoline storage tanks at each GDF during the previous 364 days, and then dividing that sum by 12. [40 CFR 63.11132] and. [40 CFR 63.11111(e)]	None.

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Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
25	No owner or operator subject to the provisions of MACT Subpart A in 40 CFR 63 shall build, erect, install, or use any article, machine, equipment, or process to conceal an emission that would otherwise constitute noncompliance with a relevant standard. Such concealment includes, but is not limited to: (1) The use of diluents to achieve compliance with a relevant standard based on the concentration of a pollutant in the effluent discharged to the atmosphere; (2) The use of gaseous diluents to achieve compliance with a relevant standard for visible emissions. (MACT Subpart A) [40 CFR 63.4(b)]	None.	None.	None.
26	The owner or operator of an affected source before a title V permit has been issued, and each time a notification of compliance status is required, shall submit to the Administrator a notification of compliance status. The notification shall list all the information as specified in 40 CFR 63.9(h)(2)(i) and be signed by responsible official. (MACT Subpart A) [40 CFR 63.9(h)(2)(i)]	None.	Recordkeeping by other recordkeeping method (provide description) upon occurrence of event. Notification records shall be maintained for at least 5 years following the date of each record. At minimum, the most recent two years of data shall be retained on site. The remaining 3 years of data may be retained off site. Such files may be maintained on microfilm, on a computer, on a computer floppy disks, on magnetic tape disks, or on microfiche. [40 CFR 63.10(b)(1)]	Submit notification: As per the approved schedule. The notification shall be sent before the close of business on the 60th day following the completion of the relevant compliance demonstration. [40 CFR 63.9(h)(2)(ii)]

BOP180001

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
27	After a title V permit has been issued, the owner or operator shall comply with all requirements for compliance status reports contained in the source's title V permit, including reports required under 40 CFR 63. After a title V permit has been issued to the owner or operator of an affected source, and each time a notification of compliance status is required under this part, the owner or operator of such source shall submit the notification of compliance status to the appropriate permitting authority following completion of the relevant compliance demonstration activity specified in the relevant standard. (MACT Subpart A) [40 CFR 63.9(h)(3)]	None.	Recordkeeping by other recordkeeping method (provide description) upon occurrence of event. Notification records shall be maintained for at least 5 years following the date of each record. At minimum, the most recent two years of data shall be retained on site. The remaining 3 years of data may be retained off site. Such files may be maintained on microfilm, on a computer, on a computer floppy disks, on magnetic tape disks, or on microfiche. [40 CFR 63.10(b)(1)]	Submit notification: As per the approved schedule. The notification shall be sent before the close of business on the 60th day following the completion of the relevant compliance demonstration to NJDEP. [40 CFR 63.9(h)(3)]
28	The permittee must, at all times, 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. Determination of whether such operation 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, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source. (MACT Subpart CCCCCC) [40 CFR 63.11115(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
29	<p>The permittee 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) [40 CFR 63.11116(a)]</p>	None.	None.	None.
30	<p>The permittee shall keep records as specified in 40 CFR 63.11125(d)(1) and 40 CFR 63.11125(d)(2) as specified below.</p> <p>(1) Records of the occurrence and duration of each malfunction of operation (ie., process equipment) or the air pollution control and monitoring equipment.</p> <p>(2) Records of actions taken during periods of malfunction to minimize emissions in accordance with 40 CFR 63.11115(a), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation. (MACT Subpart CCCCCC) [40 CFR 63.11125(d)]</p>	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system at the approved frequency. You are not required to submit notifications or reports as specified in 40 CFR 63.11125, 40 CFR 63.11126, or subpart A of this 40 CFR Part 63, but the permittee must have records available within 24 hours of a request by the Administrator to document gasoline throughput. [40 CFR 63.11116(b)]	None.
31	The permittee shall comply with the General Provisions as shown in Table 3 to Subpart CCCCCC of 40 CFR 63 that apply to Gasoline Dispensing Facilities. (MACT Subpart CCCCCC) [40 CFR 63.11130]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Profile (General)

Facility Name (AIMS): Parsippany Troy Hills WWTF

Facility ID (AIMS): 26209

Street PARSIPPANY TROY HILLS SEWAGE T P
Address: 1139 EDWARDS RD
PARSIPPANY, NJ 07054

Mailing PARSIPPANY TROY HILLS SEWAGE T P
Address: 1001 PARSIPPANY BLVD
PARSIPPANY, NJ 07054

State Plane Coordinates:

X-Coordinate: 2,088,755

Y-Coordinate: 733,858

Units: Feet

Datum: NAD27

Source Org.: Other/Unknown

Source Type: Other/Unknown

County: Morris

Location Route 46 to Exit for New Road. Follow New
Description: Road approximately 1/2 mile to intersection
with Edwards Road. Turn left (south) onto
Edwards Road. Plant is at the end of the road
on the left hand side.

Industry:

Primary SIC: 4952

Secondary SIC:

NAICS: 221320

New Jersey Department of Environmental Protection
Facility Profile (General)

Contact Type: Air Permit Information Contact

Organization: Parsippany - Troy Hills Township

Org. Type: Public

Name: Pamela Krijger

NJ EIN: 22600219000

Title: Compliance Coordinator

Phone: (973) 428-7593 x

Mailing Address: 1001 Parsippany Boulevard

Fax: (973) 882-0332 x

Parsippany, NJ 07054

Other: () - x

Type:

Email: PKrijger@Parsippany.net

Contact Type: Consultant

Organization: All4 LLC

Org. Type: LLC

Name: Brent Shick

NJ EIN:

Title: Managing Consultant

Phone: (610) 422-1142 x

Mailing Address: 2393 Kimberton Road

Fax: () - x

Kimberton, PA 19442

Other: () - x

Type:

Email: bshick@all4inc.com

Contact Type: Fees/Billing Contact

Organization: Parsippany - Troy Hills Township

Org. Type: Public

Name: Frederick Carr

NJ EIN: 22600219000

Title: Business Administrator

Phone: (973) 263-4391 x

Mailing Address: 1001 Parsippany Boulevard

Fax: (973) 882-0332 x

Parsippany, NJ 07054

Other: () - x

Type:

Email: FCarr@Parsippany.net

New Jersey Department of Environmental Protection
Facility Profile (General)

Contact Type: Operator

Organization: Parsippany - Troy Hills Township

Org. Type: Public

Name: Parsippany - Troy Hills Sewer Utility

NJ EIN:

Title:

Phone: (973) 428-7593 x

Mailing Address: 1001 Parsippany Boulevard

Fax: (973) 882-0332 x

Parsippany, NJ 07054

Other: () - x

Type:

Email:

Contact Type: Owner (Current Primary)

Organization: Parsippany - Troy Hills Township

Org. Type: Public

Name: Parsippany - Troy Hills Sewer Utility

NJ EIN:

Title:

Phone: (973) 428-7568 x

Mailing Address: 1001 Parsippany Boulevard

Fax: (973) 882-0332 x

Parsippany, NJ 07054

Other: () - x

Type:

Email: PKrijger@Parsippany.net

Contact Type: Responsible Official

Organization: Parsippany - Troy Hills Township

Org. Type: Public

Name: Frederick Carr

NJ EIN: 22600219000

Title: Business Administrator

Phone: (973) 263-4391 x

Mailing Address: 1001 Parsippany Boulevard

Fax: (973) 882-0332 x

Parsippany, NJ 07054

Other: () - x

Type:

Email: FCarr@Parsippany.net

PARSIPPANY TROY HILLS TOWNSHIP WASTEWATER TRE (26209)
BOP180001

Date: 12/06/2022

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	Cleaning Solvents/Pumps/Spills	Facility Wide	0.130	0.400	0.030	0.380	0.090	0.020	0.000	0.00000000	0.000

PARSIPPANY TROY HILLS TOWNSHIP WASTEWATER TRE (26209)
BOP180001

Date: 12/6/2022

New Jersey Department of Environmental Protection
Insignificant Source Emissions

IS NJID	Source/Group Description	Equipment Type	Location Description	Estimate of Emissions (tpy)								
				VOC (Total)	NOx	CO	SO	TSP	PM-10	Pb	HAPS (Total)	Other (Total)
IS3	Small Natural Gas Combustion Sources (each <1 MMBTU/hr max. heat input)	Fuel Combustion Equipment (Other)	Various - See Equipment Location Plan	0.020	0.440	0.350	0.004	0.040	0.040	0.000	0.00000000	0.035
IS16	Six Insignificant Storage Tanks (Non-Applicable VOC (<0.02 psia) Storage Tanks <= 10,000 gallons)	Storage Vessel	Various - See Equipment Location Plan	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.00000000	0.000
IS30	Wastewater Treatment Plant Sources (wastewater concentration < 100 ppb by wt. any TXS, < 3,500 ppb by wt. of total VOC)	Storage Vessel	Facility Wide	2.570	0.000	0.000	0.000	0.000	0.000	0.000	0.00000000	98.300
Total				2.590	0.440	0.350	0.004	0.040	0.040	0.000	0.00000000	98.300

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

Equip. NJID	Facility's Designation	Equipment Description	Equipment Type	Certificate Number	Install Date	Grand- Fathered	Last Mod. (Since 1968)	Equip. Set ID
E1	Conveyors	5 Sludge Handling Conveyors	Manufacturing and Materials Handling Equipment	BOP040001	4/1/1975	No	4/15/1996	
E3	Belt Press 1	belt filter press 1	Manufacturing and Materials Handling Equipment	BOP040001	1/1/1985	No		
E4	Belt Press 2	belt filter press 2	Manufacturing and Materials Handling Equipment	BOP040001	1/1/1989	No		
E5	Blend Tank 1	sludge blending tank 1	Storage Vessel	BOP040001	1/1/1975	No		
E6	Blend Tank 2	sludge blending tank 2	Storage Vessel	BOP040001	1/1/1975	No		
E7	Generator 1	9.99 MMBTU/hr (HHV) Emerg. Gen. (1000 kW)	Emergency Generator		10/1/2019			
E8	Generator 2	9.99 MMBTU/hr (HHV) Emerg. Gen. (1000 kW)	Emergency Generator		10/1/2019			
E42	Gravabelt	WAS Gravabelt Thickener #1	Other Equipment	NA	12/31/1988	No		
E43	Prim. Vessel	Primary Vessel	Manufacturing and Materials Handling Equipment	NA	12/31/1964	Yes		
E44	Sec. Vessel	Secondary Vessel	Manufacturing and Materials Handling Equipment	NA	12/31/1964	Yes		
E45	GBT #2	WAS Gravabelt Thickener #2	Other Equipment	NA	3/31/2011	No		
E50	DG-Q	Direct Gas Heater, Quonset Hut	Fuel Combustion Equipment (Other)	BOP110001	12/14/2010	No		

BOP180001

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

Equip. NJID	Facility's Designation	Equipment Description	Equipment Type	Certificate Number	Install Date	Grand- Fathered	Last Mod. (Since 1968)	Equip. Set ID
E1101	Gas Storage	2,000 gallon unleaded gasoline tank	Storage Vessel	GEN000001	12/1/1992	No		
E1202	Conveyor6	Bypass Conveyor	Manufacturing and Materials Handling Equipment	BOP040001	4/1/1975	No	8/1/2005	
E1203	CakeReceiver	Cake Receiving Container	Manufacturing and Materials Handling Equipment	BOP040001	12/1/2005	No		

26209 PARSIPPANY TROY HILLS TOWNSHIP WASTEWATER TRE BOP180001 E3 (Manufacturing and Materials Handling Equipment)

Make:	
Manufacturer:	Komline-Sanderson
Model:	Kompress GRS-S 2.0
Type of Manufacturing and Materials Handling Equipment:	Belt filter press
Capacity:	1.75E+00
Units:	other units
Description (if other):	Dry tons per hour
Have you attached a diagram showing the location and/or the configuration of this equipment?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	

26209 PARSIPPANY TROY HILLS TOWNSHIP WASTEWATER TRE BOP180001 E4 (Manufacturing and Materials Handling Equipment)

Make:	
Manufacturer:	Konline-Sanderson
Model:	Kompress GRS-SE-2
Type of Manufacturing and Materials Handling Equipment:	Belt filter press
Capacity:	1.75E+00
Units:	other units
Description (if other):	Dry tons per year
Have you attached a diagram showing the location and/or the configuration of this equipment?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	

26209 PARSIPPANY TROY HILLS TOWNSHIP WASTEWATER TRE BOP180001 E1 (Manufacturing and Materials Handling Equipment)

Make:	<input type="text"/>
Manufacturer:	<input type="text"/>
Model:	<input type="text"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="sludge conveyors"/>
Capacity:	<input type="text" value="1.75E+00"/>
Units:	<input type="text" value="other units"/>
Description (if other):	<input type="text" value="dry tons per hour"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="No"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="No"/>
Comments:	<input type="text" value="5 conveyors combined into E1"/>

26209 PARSIPPANY TROY HILLS TOWNSHIP WASTEWATER TRE BOP180001 E5 (Storage Vessel)
Print Date: 11/9/2022

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

Both Solids and Liquids

Storage Vessel Type:

Tank

Design Capacity:

92,000

Units:

gallons

Ground Location:

Above Ground

Is the Shell of the Equipment

Yes

Exposed to Sunlight?

Shell Color:

Gray (Light)

Description (if other):

Shell Condition:

Paint Condition:

Good

Shell Construction:

Is the Shell Insulated?

No

Type of Insulation:

Insulation Thickness (in):

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

Shape of Storage Vessel:

Rectangular

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

12.00

Length (ft):

32.00

Width (ft):

32.00

Diameter (ft):

Other Dimension

Description:

Value:

Units:

Fill Method:

Other

Description (if other):

pump

Maximum Design Fill Rate:

200.00

Units:

gal/min

Does the storage vessel have
a roof or an open top?

Open Top

Roof Type:

Roof Height (From Roof
Bottom

to Roof Top) (ft):

Roof Construction:

Primary Seal Type:

Secondary Seal Type:

Total Number of Seals:

Roof Support:

Does the storage vessel
have a Vapor Return Loop?

Does the storage vessel

26209 PARSIPPANY TROY HILLS TOWNSHIP WASTEWATER TRE BOP180001 E5 (Storage Vessel)

Print Date: 11/9/2022

Does the storage vessel
have a Conservation Vent?

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

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

Comments:

Poured concrete tank w/sloped bottom. Tank receives sludge from primary settling tanks and from certain outside sources directly. Sludge is stored and continuously mixed. Triplex pumps withdraw sludge from the tank and pump it to the belt filter presses. Throughput is constrained by the capacity of the belt filter presses and the triplex pumps.

26209 PARSIPPANY TROY HILLS TOWNSHIP WASTEWATER TRE BOP180001 E6 (Storage Vessel)
Print Date: 11/9/2022

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

Both Solids and Liquids

Storage Vessel Type:

Tank

Design Capacity:

92,000

Units:

gallons

Ground Location:

Above Ground

Is the Shell of the Equipment

Yes

Exposed to Sunlight?

Shell Color:

Gray (Light)

Description (if other):

Shell Condition:

Paint Condition:

Good

Shell Construction:

Is the Shell Insulated?

No

Type of Insulation:

Insulation Thickness (in):

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

Shape of Storage Vessel:

Rectangular

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

12.00

Length (ft):

32.00

Width (ft):

32.00

Diameter (ft):

Other Dimension

Description:

Value:

Units:

Fill Method:

Other

Description (if other):

pump

Maximum Design Fill Rate:

200.00

Units:

gal/min

Does the storage vessel have
a roof or an open top?

Open Top

Roof Type:

Roof Height (From Roof
Bottom

to Roof Top) (ft):

Roof Construction:

Primary Seal Type:

Secondary Seal Type:

Total Number of Seals:

Roof Support:

Does the storage vessel
have a Vapor Return Loop?

Does the storage vessel

26209 PARSIPPANY TROY HILLS TOWNSHIP WASTEWATER TRE BOP180001 E6 (Storage Vessel)

Print Date: 11/9/2022

Does the storage vessel
have a Conservation Vent?

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

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

Comments:

Poured concrete tank w/sloped bottom. Tank receives sludge from primary settling tanks and from certain outside sources directly. Sludge is stored and continuously mixed. Triplex pumps withdraw sludge from the tank and pumped to the belt filter presses. Throughput is constrained by the capacity of the belt filter presses and the triplex pumps.

26209 PARSIPPANY TROY HILLS TOWNSHIP WASTEWATER TRE BOP180001 E7 (Emergency Generator)
Print Date: 11/9/2022

Make:	<input type="text" value="MTU"/>		
Manufacturer:	<input type="text" value="MTU (2019)"/>		
Model:	<input type="text" value="MTU 16V2000 DS1000 (2019) Model Year"/>		
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	<input type="text" value="9.99"/>		
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 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 type="radio"/> No
Comments:	<input type="text" value="1000 kW"/> <input type="text" value="1839 HP"/> <input type="text" value="Displacement per cylinder: 2.23 L"/>		

26209 PARSIPPANY TROY HILLS TOWNSHIP WASTEWATER TRE BOP180001 E8 (Emergency Generator)
Print Date: 11/9/2022

Make:	<input type="text" value="MTU"/>		
Manufacturer:	<input type="text" value="MTU (2019)"/>		
Model:	<input type="text" value="MTU 16V2000 DS1000 (2019) Model Year"/>		
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	<input type="text" value="9.99"/>		
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 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 type="radio"/> No
Comments:	<input type="text" value="1000 kW"/> <input type="text" value="1839 HP"/> <input type="text" value="Displacement per cylinder: 2.23 L"/>		

26209 PARSIPPANY TROY HILLS TOWNSHIP WASTEWATER TRE BOP180001 E42 (Other Equipment)
Print Date: 11/9/2022

Make:	Gravabelt
Manufacturer:	Komline-Sanderson
Model:	GSC 2.0x4
Equipment Type:	Waste activated sludge/waste nitrified sludge gravity sludge concentrator
Capacity:	24,000.00
Units:	gal/hr
Description:	

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

☒ Yes
☐ No

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

☒ Yes
☐ No

Comments:

26209 PARSIPPANY TROY HILLS TOWNSHIP WASTEWATER TRE BOP180001 E43 (Manufacturing and Materials Handling Equipment)

Make:	<input type="text"/>
Manufacturer:	<input type="text"/>
Model:	<input type="text"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="Sludge Handling Equipment"/>
Capacity:	<input type="text" value="1.38E+04"/>
Units:	<input type="text" value="other units"/>
Description (if other):	<input type="text" value="gal/hr"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="Yes"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="Yes"/>
Comments:	

26209 PARSIPPANY TROY HILLS TOWNSHIP WASTEWATER TRE BOP180001 E44 (Manufacturing and Materials Handling Equipment)

Make:	<input type="text"/>
Manufacturer:	<input type="text"/>
Model:	<input type="text"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="Sludge Handling Equipment"/>
Capacity:	<input type="text" value="1.38E+04"/>
Units:	<input type="text" value="other units"/>
Description (if other):	<input type="text" value="gal/hr"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="Yes"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="Yes"/>
Comments:	

26209 PARSIPPANY TROY HILLS TOWNSHIP WASTEWATER TRE BOP180001 E45 (Other Equipment)
Print Date: 11/9/2022

Make:	Gravabelt	
Manufacturer:	Komline-Sanderson	
Model:	GBC-2	
Equipment Type:	Waste activated sludge/waste nitrified sludge gravity belt sludge concentrator	
Capacity:	27,000.00	
Units:	gal/hr	
Description:		
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:	GBT #2	

26209 PARSIPPANY TROY HILLS TOWNSHIP WASTEWATER TRE BOP180001 E50 (Fuel Combustion Equipment (Other))
Print Date: 11/9/2022

Make:	Direct Gas Makeup Air Unit
Manufacturer:	Greenheck
Model:	DG-120-H30
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	1.20
Type of Heat Exchange:	Direct
Equipment Type Description:	Ventilation air supply with direct gas natural gas heater, for quonset hut

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

☒ Yes
☐ No

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

☒ Yes
☐ No

Comments:

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

26209 PARSIPPANY TROY HILLS TOWNSHIP WASTEWATER TRE BOP180001 E1101 (Storage Vessel)
Print Date: 11/9/2022

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

Liquids Only

Storage Vessel Type:

Tank

Design Capacity:

2,000

Units:

gallons

Ground Location:

Above Ground

Is the Shell of the Equipment

Yes

Exposed to Sunlight?

Shell Color:

Other

Description (if other):

Steel tank encased in concrete vault

Shell Condition:

Paint Condition:

Good

Shell Construction:

Welded

Is the Shell Insulated?

Yes

Type of Insulation:

Concrete

Insulation Thickness (in):

0.3

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

54.00000

Shape of Storage Vessel:

Rectangular

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

4.50

Length (ft):

10.25

Width (ft):

7.00

Diameter (ft):

Other Dimension

Description:

Value:

Units:

Fill Method:

Submerged

Description (if other):

Maximum Design Fill Rate:

100.00

Units:

gal/min

Does the storage vessel have a roof or an open top?

Roof

Roof Type:

Horizontal fixed roof tank

Roof Height (From Roof Bottom

to Roof Top) (ft):

Roof Construction:

Primary Seal Type:

Secondary Seal Type:

Total Number of Seals:

Roof Support:

Does the storage vessel have a Vapor Return Loop?

Yes

Does the storage vessel

26209 PARSIPPANY TROY HILLS TOWNSHIP WASTEWATER TRE BOP180001 E1101 (Storage Vessel)

Print Date: 11/9/2022

Does the storage vessel
have a Conservation Vent?

Yes ▼

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

Yes ▼

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

Yes ▼

Comments:

THIS IS A RECTANGULAR TANK,
ENCASED IN CONCRETE - DIAMETER AND
ROOF INFORMATION DOES NOT APPLY
TO THIS SOURCE. ALSO, SHELL
CONDITION IS GOOD; NO RUST -
CONCRETE SHELL.
Gas Storage - 2,000 gallon unleaded
gasoline tank with Stage II. Note from permit
writer: Stage II decommissioned in 2006. Single
point coaxial Stage I vapor recovery system
present.

26209 PARSIPPANY TROY HILLS TOWNSHIP WASTEWATER TRE BOP180001 E1202 (Manufacturing and Materials Handling Equipment)

Make:	
Manufacturer:	
Model:	
Type of Manufacturing and Materials Handling Equipment:	sludge conveyors
Capacity:	1.75E+00
Units:	other units
Description (if other):	dry tons per hour
Have you attached a diagram showing the location and/or the configuration of this equipment?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	Bypass Conveyor - Conveyor6

26209 PARSIPPANY TROY HILLS TOWNSHIP WASTEWATER TRE BOP180001 E1203 (Manufacturing and Materials Handling Equipment)

Make:	
Manufacturer:	Rolloff Cake Receiving Container
Model:	
Type of Manufacturing and Materials Handling Equipment:	Solids
Capacity:	4.00E+01
Units:	other units
Description (if other):	Cubic Yards
Have you attached a diagram showing the location and/or the configuration of this equipment?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	CakeReceiver - Cake Receiving Container

PARSIPPANY TROY HILLS TOWNSHIP WASTEWATER TRE (26209)

Date: 12/6/2022

BOP180001

**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.		
PT3	Roof Vent 2	Belt filter press 2	Round	24	25	60	70.0	50.0	100.0	10,000.0	10,000.0	10,000.0	Up	
PT4	blend tank 1	sludge blending tank 1	Surface	433	12	50	70.0	50.0	100.0	20.0	0.0	31.0	Up	
PT9	Roof Vent 3	Sludge conveyors 1, 2, 3, 4, & 5	Round	24	25	60	70.0	50.0	100.0	10,000.0	10,000.0	10,000.0	Up	
PT10	Roof Vent 1	Belt filter press 1	Round	24	25	60	70.0	50.0	100.0	10,000.0	10,000.0	10,000.0	Up	
PT11	Gas Storage	2,000 Gallon Gasoline Storage Tank	Round	2	15	125	70.0	4.0	98.0	13.4	0.0	13.4	Up	
PT13	blend tank 2	sludge blending tank 2	Surface	433	12	50	70.0	50.0	100.0	20.0	0.0	31.0	Up	
PT20	Container	Cake Rec'v Container	Surface	188	6	340	70.0	0.0	100.0	6.0	0.0	12.0	Up	
PT21	EGen 1	Emerg. Gen. E7 Stack	Round	15	18	390	899.1	851.9	941.0	5,912.6	3,734.9	9,718.0	Up	
PT22	EGen 2	Emerg. Gen. E8 Stack	Round	15	18	291	899.1	851.9	941.0	5,912.6	3,734.9	9,718.0	Up	
PT42	Gravabelt	WAS Gravabelt Thickener	Round	36	30	105	60.0	50.0	100.0	22,000.0	20,400.0	22,400.0	Up	
PT43	Prim. Vessel	Primary Vessel	Round	36	11	326	60.0	10.0	100.0	15.0	0.0	31.0	Up	
PT44	Sec. Vessel	Secondary Vessel	Round	36	9	338	60.0	10.0	100.0	15.0	0.0	31.0	Up	
PT50	DG-Q1	Quonset hut direct gas heater Vent 1	Square	36	12	290	70.0	50.0	100.0	5,200.0	5,000.0	5,500.0	Horizontal	
PT51	DG-Q2	Quonset hut direct gas heater Vent 2	Square	36	12	310	70.0	50.0	100.0	5,200.0	5,000.0	5,500.0	Horizontal	

PARSIPPANY TROY HILLS TOWNSHIP WASTEWATER TRE (26209)

Date: 12/6/2022

BOP180001

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

U 1 Sludge Proc. Sludge Processing Operation (Sludge Blending, Sludge Handling Sources, Conveyors, Belt Filter Presses and Cake Receiving Container)

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	Conveyors	Sludge Conveyors	Normal - Steady State	E1		PT9	5-01-007-99	0.0	8,760.0		10,000.0	10,000.0	50.0	100.0
OS2	Belt Press 1	Belt Filter Press 1	Normal - Steady State	E3		PT10	5-01-007-91	0.0	8,760.0		10,000.0	10,000.0	50.0	100.0
OS3	Belt Press 2	Belt Filter Press 2	Normal - Steady State	E4		PT3	5-01-007-91	0.0	8,760.0		10,000.0	10,000.0	50.0	100.0
OS4	Container	Cake Receiving Container	Normal - Steady State	E1203		PT20	5-01-007-99	0.0	8,760.0		0.0	12.0	50.0	100.0
OS5	Blend Tank 1	Sludge Blending Tank 1	Normal - Steady State	E5		PT4	5-01-007-69	0.0	8,760.0		0.0	31.0	50.0	100.0
OS6	Blend Tank 2	Sludge Blending Tank 2	Normal - Steady State	E6		PT13	5-01-007-69	0.0	8,760.0		0.0	31.0	50.0	100.0
OS9	GBT # 1	WAS Gravabelt Thickener #1	Normal - Steady State	E42		PT42	5-01-007-71	0.0	8,760.0	A	20,400.0	22,400.0	50.0	100.0
OS10	P. Vessel	101,750 Gallons - Primary Vessel	Normal - Steady State	E43		PT43	5-01-007-99	0.0	8,760.0	A	0.0	31.0	10.0	100.0
OS11	S. Vessel	80,000 Gallons - Secondary Vessel	Normal - Steady State	E44		PT44	5-01-007-99	0.0	8,760.0	A	0.0	31.0	10.0	100.0
OS12	GBT # 2	WAS Gravabelt Thickener #2	Normal - Steady State	E45		PT42	5-01-007-71	0.0	8,760.0		20,400.0	22,400.0	50.0	100.0

PARSIPPANY TROY HILLS TOWNSHIP WASTEWATER TRE (26209)

Date: 12/6/2022

BOP180001

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

U 50 Heater DG-Q 1.2 MMBTU/hr - Direct Gas Heater - Quonset Hut

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	DG-Q	Direct Gas Heater	Normal - Steady State	E50		PT50 PT51	1-05-002-06	0.0	8,760.0	A	10,000.0	11,000.0	50.0	100.0

U 600 Diesel EGs Emergency Generators

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 1	Emergency Generator 1	Normal - Steady State	E7		PT21	2-02-001-02	0.0	100.0		3,734.9	9,718.0	851.9	941.0
OS2	Generator 2	Emergency Generator 2	Normal - Steady State	E8		PT22	2-02-001-02	0.0	100.0		3,734.9	9,718.0	851.9	941.0

PARSIPPANY TROY HILLS TOWNSHIP WASTEWATER TRE (26209)
BOP180001

Date: 12/6/2022

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

U 1101 Gas Storage 2,000 Gallon Aboveground Gasoline Storage Tank and Dispensing Station

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	GasolineTank	Unleaded Gasoline Storage Tank with 2,000 Gallons Storage Capacity	Normal - Steady State	E1101		PT11		0.0	8,760.0		6.0	13.4	4.0	98.0