State of New Jersey

PHILIP D. MURPHY
Governor

TAHESHA L. WAY
Lt. Governor

DEPARTMENT OF ENVIRONMENTAL PROTECTION

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

SHAWN M. LATOURETTE
Commissioner

# Air Pollution Control Operating Permit
# Renewal

**Permit Activity Number: BOP190001** **Program Interest Number: 19031**

| Mailing Address | Plant Location |
|---|---|
| Jennifer Solewski<br>Vice President, Business & Tech Development<br>BAYSHORE RECYCLING<br>1041 NJ-36, Suite 200<br>Atlantic Highlands, NJ 07716 | BAYSHORE RECYCLING CORP<br>75 Crows Mill Rd<br>Keasbey NJ, 08832<br>Middlesex County |
| | |

**Initial Operating Permit Approval Date:** **July 14, 2015**

**Operating Permit Approval Date:** **DRAFT**

**Operating Permit Expiration Date:** **July 13, 2020 (Operating under Application Shield)**

## AUTHORITY AND APPLICABILITY

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

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

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

## PERMIT SHIELD

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

## COMPLIANCE SCHEDULES

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

## COMPLIANCE CERTIFICATIONS AND DEVIATION REPORTS

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

**ACCESSING PERMITS**

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

**HELPLINE**

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

**RENEWING YOUR OPERATING PERMIT AND APPLICATION SHIELD**

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

**COMPLIANCE ASSURANCE MONITORING**

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

**ADMINISTRATIVE HEARING REQUEST**

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

If you have any questions regarding this permit approval, please call Thaddeus Soley at (609) 940-5705.

Approved by:

_____
Sunila Agrawal

Enclosure

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

**Facility Name: BAYSHORE RECYCLING CORP**
**Program Interest Number: 19031**
**Permit Activity Number: BOP190001**

## TABLE OF CONTENTS

## Section A

## Facility Name: BAYSHORE RECYCLING CORP
## Program Interest Number: 19031
## Permit Activity Number: BOP190001

## POLLUTANT EMISSIONS SUMMARY

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

| Facility's Potential Emissions from all Significant Source Operations (tons per year) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Source Categories | VOC (total) | $NO_x$ | CO | $SO_2$ | TSP (total) | $PM_{10}$ (total) | $PM_{2.5}$ (total) | Pb | HAPs* (total) | $CO_2e$[2] |
| Emission Units Summary | 5.3 | 31.37 | 20.45 | 31.55 | 32.17 | 21.04 | 20.6 | N/A | 3.19 | |
| Batch Process Summary | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| Group Summary | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| Total Emissions | 5.3 | 31.37 | 20.45 | 31.55 | 32.17 | 21.04 | 20.6 | N/A | 3.19 | 20,370 |

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

| Emissions from all Insignificant Source Operations and Non-Source Fugitive Emissions (tons per year) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Source Categories | VOC (total) | $NO_x$ | CO | $SO_2$ | TSP (total) | $PM_{10}$ (total) | $PM_{2.5}$ (total) | Pb | HAPs (total) |
| Insignificant Source Operations | 0.18 | 3.52 | 1.8 | 1.48 | 0.01 | 0.02 | N/A | N/A | N/A |
| Non-Source Fugitive Emissions | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

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

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

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

## Section A

## Facility Name: BAYSHORE RECYCLING CORP
## Program Interest Number: 19031
## Permit Activity Number: BOP190001

## POLLUTANT EMISSIONS SUMMARY

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

| HAP | TPY |
|---|---|
| Benzene | 0.572 |
| Ethylbenzene | 0.266 |
| Toluene | 0.484 |
| Xylene | 0.234 |
| Mercury | 0.0411 |
| Selenium | 0.0292 |
| Acenaphthalene | 0.3 |
| Benzo(a)anthracene | 0.01 |
| Benzo(b)fluorene | 0.01 |
| Benzo(k)fluorene | 0.01 |
| Chrysene | 0.01 |
| Dibenz(a,h)anthracene | 0.01 |
| Fluoranthene | 0.3 |
| Fluorene | 0.3 |
| Indeno(1,2,3,-c,-d)pyrene | 0.01 |
| Phenanthrene | 0.3 |
| Pyrene | 0.3 |

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

| Other Air Contaminant | TPY |
|---|---|
| N/A | N/A |
| | |
| | |
| | |
| | |
| | |

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

## Section B

## Facility Name: BAYSHORE RECYCLING CORP
## Program Interest Number: 19031
## Permit Activity Number: BOP190001

## 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 an affirmative defense, consistent with General Provision #10 below, 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.

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. The permittee may not assert an affirmative defense to penalty liability for non-compliance with a provision or condition of the operating permit that is based on any federally delegated regulation, including but not limited to NSPS, NESHAP, or MACT. An affirmative defense to penalty liability for non-compliance with a provision or condition of the operating permit may be asserted by a permittee if:

    a. The provision or condition of the operating permit is based solely on State or local law; and

    b. The affirmative defense is asserted and established as required by N.J.S.A. 26:2C-19.1 through 19.5.

11. In the event of a challenge to any part of this operating permit, all other parts of the permit shall continue to be valid. [N.J.A.C. 7:27-22.16(f)]

12. Each owner and each operator of any facility, source operation, or activity to which this permit applies is responsible for ensuring compliance with all requirements of N.J.A.C. 7:27-22. If the owner and operator are separate persons, or if there is more than one owner or operator, each owner and each operator is jointly and severally liable for any fees due under N.J.A.C. 7:27-22, and for any penalties for violation of N.J.A.C. 7:27-22. [N.J.A.C. 7:27-22.3]

13. The permittee shall ensure that no air contaminant is emitted from any significant source operation at a rate, calculated as the potential to emit, that exceeds the applicable threshold for reporting emissions set forth in the Appendix to N.J.A.C. 7:27-22 or 7:27-17.9(a), unless emission of the air contaminant is authorized by this operating permit. [N.J.A.C. 7:27-22.3(c)]

14. Consistent with the provisions of N.J.A.C. 7:27-22.3(e), the permittee shall ensure that all requirements of this operating permit are met. In the event that there are multiple emission limitations, monitoring, recordkeeping, and/or reporting requirements for a given source operation, the facility must comply with all requirements, including the most stringent.

15. Consistent with the provisions of N.J.A.C. 7:27-22.3(s), Except as otherwise provided in this subchapter, the submittal of any information or application by a permittee including, but not limited to, an application or notice for any change to the operating permit, including any administrative amendment, any minor or significant modification, renewal, a notice of a seven-day notice change, a notice of past or anticipated noncompliance, does not stay any operating permit condition, nor relieve a permittee from the obligation to obtain other necessary permits and to comply with all applicable Federal, State, and local requirements.

16. Applicable requirements derived from an existing or terminated consent decree with EPA will not be changed without advance consultation by the Department with EPA. N.J.A.C. 7:27-22.3(uu).

17. Unless specifically exempted from permitting, temporary mobile equipment for short-term activities may be periodically used at major facilities, on site for up to 90 days if the requirements listed below, (a) through (h) are satisfied.

    a. The permittee will ensure that the temporary mobile equipment will not be installed permanently or used permanently on site.

b. The permittee will ensure that the temporary mobile equipment will not circumvent any State or Federal rules and regulations, even for a short period of time, and the subject equipment will comply with all applicable performance standards.

c. The permittee cannot use temporary mobile equipment unless the owner or operator of the subject equipment has obtained and maintains an approved Air Pollution Control Permit, issued pursuant to N.J.A.C. 7:27-8 or 22, prior to bringing the temporary mobile equipment to operate at the major facility.

d. The permittee is responsible for ensuring the temporary mobile equipment's compliance with the terms and conditions specified in its approved Air Pollution Control Permit when the temporary mobile equipment operates on the property of the permittee.

e. The permittee will ensure that temporary mobile equipment utilized for short-term activities will not operate on site for more than a total of 90 days during any calendar year.

f. The permittee will keep on site a list of temporary mobile equipment being used at the facility with the start date, end date, and record of the emissions from all such equipment (amount and type of each air contaminant) no later than 30 days after the temporary mobile equipment completed its job in accordance with N.J.A.C. 7:27-22.19(i)3.

g. Emissions from the temporary mobile equipment must be included in the emission netting analysis required of the permittee by N.J.A.C. 7:27-18.7. This information is maintained on site by the permittee and provided to the Department upon request in accordance with existing applicable requirements in the FC Section of its Title V permit.

h. Where short-term activities (employing temporary mobile equipment) will reoccur on at least an annual basis, the permittee is required to include such activities (and the associated equipment) within one year of the first use, in its Title V permit through the appropriate modification procedures.

18. Consistent with the provisions of N.J.A.C. 7:27-22.9(c), the permittee shall use monitoring of operating parameters, where required by the compliance plan, as a surrogate for direct emissions testing or monitoring, to demonstrate compliance with applicable requirements.

19. The permittee is responsible for submitting timely and administratively complete operating permit applications:

Administrative Amendments [N.J.A.C. 7:27-22.20(c)];
Seven-Day Notice changes [N.J.A.C. 7:27-22.22(e)];
Minor Modifications [N.J.A.C. 7:27-22.23(e)];
Significant Modifications [N.J.A.C. 7:27-22.24(e)]; and
Renewals [N.J.A.C. 7:27-22.30(b).

20. The operating permit renewal application consists of a RADIUS application and the application attachment available at the Department's website https://dep.nj.gov/boss/applications-and-forms/ (Attachment to the RADIUS Operating Permit Renewal Application). Both the RADIUS application and the Application Attachment, along with any other supporting documents must be submitted using the Department's Portal at: https://njdeponline.com/. The application is considered timely if it is received at least 12 months before the expiration date of the operating permit. To be deemed administratively complete, the renewal application shall include all information required by the application form for the renewal and the information required pursuant to N.J.A.C. 7:27-22.30(d). However, consistent with N.J.A.C. 7:27-22.30(c), the permittee is encouraged to submit the renewal application at least 15 months prior to expiration of the operating permit, so that any deficiencies can be identified and addressed to ensure that the application is administratively complete by the renewal deadline. Only renewal applications which are timely and administratively complete are eligible for an application shield.

21. For all source emissions testing performed at the facility, the phrase "worst case conditions without creating an unsafe condition" used in the enclosed compliance plan is consistent with EPA's National Stack

Testing Guidance, dated April 27, 2009, where all source emission testing performed at the facility shall be under the representative (normal) conditions that:

a. 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

b. Are likely to most challenge the emissions control measures of the facility with regard to meeting the applicable emission standards, but without creating an unsafe condition.

22. Consistent with EPA's National Stack Testing Guidance and Technical Manual 1004, a facility may not stop an ongoing stack test because it would have failed the test unless the facility also ceases operation of the equipment in question to correct the issue. Stopping an ongoing stack test in these instances will be considered credible evidence of emissions non-compliance.

23. Each permittee shall maintain records of all source emissions testing or monitoring performed at the facility and required by the operating permit in accordance with N.J.A.C. 7:27-22.19. Records shall be maintained, for at least five years from the date of each sample, measurement, or report. Each permittee shall maintain all other records required by this operating permit for a period of five years from the date each record is made. At a minimum, source emission testing or monitoring records shall contain the information specified at N.J.A.C. 7:27-22.19(b). [N.J.A.C. 7:27-22.19(a) and N.J.A.C. 7:27-22.19(b)]

24. A Permittee may seek the approval of the Department for a delay in testing required pursuant to this permit by submitting a written request to the appropriate Regional Enforcement Office in accordance with N.J.A.C. 7:27-22.18(k). A Permittee may also seek advanced approval for a longer period for submittal of a source emissions test report required by the permit by submitting a request to the Department's Regional Enforcement Office in accordance with N.J.A.C. 7:27-22.19. [N.J.A.C. 7:27-22.18(k) and N.J.A.C. 7:27-22.19]

25. Any emission limit values in an operating permit shall be interpreted to be followed by inherent trailing zeros (0) in the decimal portion of the limit to three significant figures (e.g. a printed limit of "1 lb/hr" means a limit of "1.00 lb/hr") except for concentration limits less than 10 parts per million (ppm). For such concentration limits, the emission limit shall be interpreted to be followed by inherent trailing zeros (0) in the decimal portion of the limit to two significant figures (e.g. a printed limit of "1 ppm" means a limit of "1.0 ppm").

26. Testing every five 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: BAYSHORE RECYCLING CORP
## Program Interest Number: 19031
## Permit Activity Number: BOP190001

# STATE-ONLY APPLICABLE REQUIREMENTS

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

**STATE-ONLY APPLICABLE REQUIREMENTS**

The following applicable requirements are not federally enforceable:

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

## Section D

## Facility Name: BAYSHORE RECYCLING CORP
## Program Interest Number: 19031
## Permit Activity Number: BOP190001

# FACILITY SPECIFIC REQUIREMENTS AND INVENTORIES

### FACILITY SPECIFIC REQUIREMENTS PAGE INDEX

| | | | |
|---|---|---|---|
| U25 | BSM12 | LTTD rotary kiln | 64 |
| U32 | CO1 | Boiler | 88 |

**BAYSHORE RECYCLING CORP (19031)**
**BOP190001**

Date: 6/19/2025

# New Jersey Department of Environmental Protection
# Reason for Application

## Permit Being Modified

**Permit Class:** BOP **Number:** 240001

**Description of Modifications:** This RADIUS file covers the 5-Year Operating Permit Renewal Application for Bayshore Recycling Corp. (Facility ID #19031, BOP 160001). During this Subject Period, there was one (1) Significant Modification made to the Operating Permit (BOP130001). The Significant Modification was submitted in November 2016 and was approved by the Department in October 2018. There was one (1) Netting Analysis submitted to the Department for this Significant Modification during the subject period. There were no Seven-Day Notice Changes submitted to the Department during the subject period. There was one (1) stack test and periodic RATA tests completed during this subject period, associated with U25, the LTTD rotary kiln.

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

**Subject Item:** **FC**

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

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

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

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

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

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

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

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

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

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

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

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

**Subject Item:** **IS1 Insignificant Source Diesel Engines for Equipment**

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 1 | Federal Rules Summary:<br><br>MACT Subpart A: General Provisions<br>MACT Subpart ZZZZ: Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines [40 CFR Federal Rules Summary] | None. | None. | None. |
| 2 | No owner or operator subject to the provisions of 40 CFR 63 must operate any affected source in violation of the requirements of 40 CFR 63. No owner or operator subject to the provisions of 40 CFR 63 shall fail to keep records, notify, report, or revise reports as required under 40 CFR 63. [40 CFR 63.4(a)] | None. | None. | None. |
| 3 | For equipment subject to MACT, no owner or operator subject to the provisions of MACT Subpart A in 40 CFR 63 shall build, erect, install, or use any article, machine, equipment, or process to conceal an emission that would otherwise constitute noncompliance with a relevant standard. Such concealment includes, but is not limited to: (1) The use of diluents to achieve compliance with a relevant standard based on the concentration of a pollutant in the effluent discharged to the atmosphere; and (2) the use of gaseous diluents to achieve compliance with a relevant standard for visible emissions. [40 CFR 63.4(b)] | None. | None. | None. |

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

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 4 | On or after May 3, 2013, the owner or operator of the non-emergency, non-black start CI RICE <= 300 HP constructed or reconstructed before June 12, 2006 shall hange oil and filter every 1,000 hours of operation or within one year plus thirty days of the previous change, whichever comes first, as prescribed in Table 2d, item 1a to Subpart ZZZZ of 40 CFR 63. [40 CFR 63.6603(a)] | Other: The owner or operator shall change oil and filter every 1000 hours of operation or within one year plus thirty days of the previous change, whichever comes first. The owner or operator must monitor continuously at all times that the stationary RICE is operating, per 40 CFR 63.6635. The owner or operator must develop and follow a maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions, in accordance with Table 6 item 9 to Subpart ZZZZ of 40 CFR 63.[40 CFR 63.6640(a)]. | Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The owner or operator must keep records of the oil and filter change. Each record must be readily accessible for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.6660(c) and 40 CFR 63.10(b)(1). [40 CFR 63.6655(e)(3)] | None. |
| 5 | On or after May 3, 2013, the owner or operator of the non-emergency, non-black start CI RICE <= 300 HP constructed or reconstructed before June 12, 2006 may utilize an oil analysis program as allowed in 40 CFR 63.6603(a). The oil analysis must be performed every 1,000 hours of operation or within one year plus thirty days of the last analysis, whichever comes first. The analysis program must at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 days of receiving the results of the analysis or before continuing to use the engine, whichever is later. [40 CFR 63.6625(i)] | Monitored by fuel sampling (e.g. oil) at the approved frequency. The owner or operator must at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content every 1000 hours of operation or within one year plus thirty days of the previous analysis, which ever comes first. [40 CFR 63.6625(i)] | Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine. Each record must be readily accessible for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.6660(c) and 40 CFR 63.10(b)(1). [40 CFR 63.6625(i)] | None. |

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

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 6 | On or after May 3, 2013, the owner or operator of the non-emergency, non-black start CI RICE <= 300 HP constructed or reconstructed before June 12, 2006 shall inspect air cleaner every 1,000 hours of operation or within one year plus thirty days of the previous inspection, whichever comes first; and inspect all hoses and belts every 500 hours of operation or within one year plus thirty days of the previous inspection, whichever comes first, and replace as necessary, as prescribed in Table 2d, item 1b and 1c to Subpart ZZZZ of 40 CFR 63. [40 CFR 63.6603(a)] | Other: The owner or operator shall inspect air cleaner every 1000 hours or within one year plus thirty days of the previous inspection, whichever comes first and inspect all hoses and belts every 500 hours of operation or within one year plus thirty days of the previous inspection, whichever comes first. The owner or operator must monitor continuously at all times that the stationary RICE is operating, per 40 CFR 63.6635. The owner or operator must develop and follow a maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions, in accordance with Table 6 item 9 to Subpart ZZZZ of 40 CFR 63.[40 CFR 63.6640(a)]. | Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The owner or operator must keep records of the maintenance procedures and air cleaner, belt and hoses replacements events. Each record must be readily accessible for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.6660(c) and 40 CFR 63.10(b)(1). [40 CFR 63.6655(e)(3)] | None. |
| 7 | On or after May 3, 2013, the engine must be in compliance with all applicable emission limitations and operating limitations in Subpart ZZZZ of 40 CFR 63 at all times. [40 CFR 63.6605(a)] | None. | None. | None. |
| 8 | On or after May 3, 2013, at all times the owner or operate must operate and maintain a RICE including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. [40 CFR 63.6605(b)] | None. | None. | None. |

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

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 9 | On or after May 3, 2013, the owner or operator of the non-emergency, non-black start CI RICE <= 300 HP constructed or reconstructed before June 12, 2006 must operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or the owner or operator must develop a maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions. [40 CFR 63.6625(e)] | Other: Monitored according to the manufacturer's emission-related written instructions or the maintenance plan developed by the owner or operator. [40 CFR 63.6640(a)]. | Other: The owner or operator must keep records of the maintenance procedures. Each record must be readily accessible for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.6660(c) and 40 CFR 63.10(b)(1). [40 CFR 63.6655(e)]. | None. |
| 10 | On or after May 3, 2013, the owner or operator must minimize the existing engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes. [40 CFR 63.6625(h)] | Other: The owner or operator must develop and follow a maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions, in accordance with Table 6 item 9 to Subpart ZZZZ of 40 CFR 63. [40 CFR 63.6640(a)]. | Other: The owner or operator must keep records of the maintenance procedures and replacements events. Each record must be readily accessible for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.6660(c) and 40 CFR 63.10(b)(1). [40 CFR 63.6655(e)]. | None. |
| 11 | On or after May 3, 2013, the owner or operator shall comply with the General Provisions as shown in Table 8 to Subpart ZZZZ of 40 CFR 63 that apply to an existing non-emergency, non-black start CI RICE <= 300 HP constructed or reconstructed before June 12, 2006 and located at an area source of HAP emissions. [40 CFR 63.6665] | None. | None. | None. |

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

**Subject Item:** **GR1 Multiple Emission Units: U1, U2, U3, U4, U6, U7, U8, U9, U10, U11, and U12**

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 1 | This Group 1 (GR1) compliance plan is for the following emission units:<br><br>U1 Transfer station, U2 Magnetic separator, U3 Trommel, U4 Shredder, U6 Sorting line conveyor, U7 Electric wood grinder, U8 Electric screener 1, U9 Electric screener 2, U10 Electric screener 3, U11 Electric destoner, and U12 Electric magnetic separator. [N.J.A.C. 7:27-22] | None. | None. | None. |
| 2 | These emission units include operation of equipment located in Transfer Station and Material Recovery Facility Building in such a manner that processing capacity of waste material is not greater than 1000 tons per day. Equipment included are : Magnetic Separator, Trommel Screen, Shredder with Engine, Electric Wood Grinder, Sorting line conveyor, three electric Screener, Electric destoner and Elecrtic Magnetic Separator. [N.J.A.C. 7:27-22.16(e)] | Other: Monitor amount of waste material processed daily.[N.J.A.C. 7:27-22.16(o)]. | Recordkeeping by manual logging of parameter or storing data in a computer data system daily. [N.J.A.C. 7:27-22.16(o)] | None. |
| 3 | The particulate filters shall be in operation at all times that the recycle/sorting line, conveying system , wood grinder, screeners, destoner, magnetic separator are being loaded or unloaded except during routine maintenance of the air handling system. There shall be no more than one air handling system out of six (CD2 through CD7) and associated particulate filters shut down during operations. The shut down of the air handling system and/or associated particulate filters for routine maintenance shall not exceed three operational days. [N.J.A.C. 7:27-22.16(a)] | Monitored by visual determination once per shift during operation. [N.J.A.C. 7:27-22.16(o)] | Recordkeeping by manual logging of parameter or storing data in a computer data system once per shift during operation. [N.J.A.C. 7:27-22.16(o)] | None. |

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

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 4 | Pressure Drop >= 0.5 and Pressure Drop <= 1.5 inches w.c. for Filters housed in Transfer Station. [N.J.A.C. 7:27-22.16(e)] | Pressure Drop: Monitored by pressure drop instrument each month during operation. [N.J.A.C. 7:27-22.16(o)] | Pressure Drop: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. Also, the date when each filter is replaced shall be recorded and kept for 5 years. [N.J.A.C. 7:27-22.16(o)] | None. |
| 5 | Particulate Emissions: The overall particulate removal efficiency >= 99% [N.J.A.C. 7:27-22.16(e)] | Other: Monitor filter efficiency, once initially.[N.J.A.C. 7:27-22.16(o)]. | Other: Maintain record of filter efficiency per manufacturer's specifications.[N.J.A.C. 7:27-22.16(o)]. | None. |

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

**Emission Unit:** **U1 Transfer Station**
**Operating Scenario:** **OS Summary**

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 1 | TSP <= 0.28 tons/yr. [N.J.A.C. 7:27-22.16(e)] | None. | None. | None. |
| 2 | No Visible Emissions, exclusive of condensed water vapor, except for no more than 3 minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-22.16(a)] | Monitored by visual determination each month during operation. Conduct visual opacity inspections during daylight hours to identify if the stack has visible emissions, other than condensed water vapor. Select an observation position enabling clear view of emission point(s), minimum 15 feet away without sunlight shining directly into the eyes. Observe for a minimum duration of 30 minutes. Clock observation with two stopwatches starting the 1st watch at the commencement of the 30-minute observation period and starting and stopping the 2nd watch every time visible emissions are first seen and when they cease, and record the observation. If visible emissions are observed for more than 3 minutes in the 30-consecutive minutes:<br>(1) Verify the equipment and/or control device causing visible emissions is operating according to manufacturer's specifications. If it is not operating properly, take corrective action immediately to eliminate the excess emissions. (2) If the opacity problem is not corrected within 24 hours, perform a check via a certified opacity reader, in accordance with N.J.A.C. 7:27B-2. Conduct such test each day until the opacity problem is successfully corrected. [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. Record and retain the following:<br>(1) Date and time of inspection;<br>(2) Emission Point number;<br>(3) Operational status of equipment:<br>(4) Observed results and conclusions:<br>(5) Description of corrective action taken if needed;<br>(6) Date and time opacity problem was solved, if applicable;<br>(7) N.J.A.C. 7:27B-2 results if conducted; and<br>(8) Name of person(s) conducting inspection. [N.J.A.C. 7:27-22.16(o)] | None. |
| 3 | See the GR1 compliance plan for additional requirement for this emission unit. [N.J.A.C. 7:27-22.16(a)] | None. | None. | None. |

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

**Emission Unit:** **U1 Transfer Station**
**Operating Scenario:** **OS1 Transfer Station Floor**

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 1 | TSP <= 0.0621 lb/hr. [N.J.A.C. 7:27-22.16(a)] | None. | None. | None. |

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

**Emission Unit:** **U2 Magnetic Separator**
**Operating Scenario:** **OS Summary**

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 1 | Air contaminant emissions are less than the reporting threshold [N.J.A.C. 7:27-22.16(e)] | None. | None. | None. |
| 2 | See the GR1 compliance plan for additional requirement for this emission unit. [N.J.A.C. 7:27-22.16(a)] | None. | None. | None. |

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

**Emission Unit:** **U3 Trommel**
**Operating Scenario:** **OS Summary**

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 1 | Air contaminant emissions are less than the reporting threshold [N.J.A.C. 7:27-22.16(e)] | None. | None. | None. |
| 2 | See the GR1 compliance plan for additional requirement for this emission unit. [N.J.A.C. 7:27-22.16(a)] | None. | None. | None. |

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

**Emission Unit:** **U4 Shredder**
**Operating Scenario:** **OS Summary**

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 1 | The engine operating the Shredder is run by an electric motor. [N.J.A.C. 7:27-22.16(a)] | Monitored by documentation of construction once initially. [N.J.A.C. 7:27-22.16(o)] | Other: Keep record / documentation.[N.J.A.C. 7:27-22.16(o)]. | None. |
| 2 | Air contaminant emissions are less than the reporting threshold [N.J.A.C. 7:27-22.16(e)] | None. | None. | None. |
| 3 | See the GR1 compliance plan for additional requirement for this emission unit. [N.J.A.C. 7:27-22.16(a)] | None. | None. | None. |

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

**Emission Unit:** **U5 E8-2 Portable Screener**
**Operating Scenario:** **OS Summary**

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 1 | No Visible Emissions, exclusive of condensed water vapor, except for no more than 3 minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-22.16(a)] | Monitored by visual determination each month during operation. Conduct visual opacity inspections during daylight hours to identify if the processing equipment has visible emissions, other than condensed water vapor. [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. Record and retain the following:<br>(1) Date and time of inspection;<br>(2) Operational status of equipment:<br>(3) Observed results and conclusions:<br>(4) Description of corrective action taken if needed;<br>(5) Date and time opacity problem was solved, if applicable; and<br>(6) Name of person(s) conducting inspection. [N.J.A.C. 7:27-22.16(o)] | Other (provide description): Upon occurrence of event If visible emissions are observed, verify the equipment and/or control device causing visible emissions is operating according to manufacturer's specifications. The visible emissions must be eliminated or the equipment shall be shut down until the problem is identified and corrective action taken. [N.J.A.C. 7:27-22.16(o)] |
| 2 | TSP <= 1.9 tons/yr based on AP-42 emission factors, based on the allowable hourly emission and the hours of operation. [N.J.A.C. 7:27-22.16(a)] | TSP: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | Other: Keep calculation records.[N.J.A.C. 7:27-22.16(o)]. | None. |
| 3 | PM-10 (Total) <= 0.66 tons/yr based on AP-42 emission factors, based on the allowable hourly emission and the hours of operation. [N.J.A.C. 7:27-22.16(a)] | PM-10 (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | Other: Keep calculation records.[N.J.A.C. 7:27-22.16(o)]. | None. |
| 4 | PM-2.5 (Total) <= 0.66 tons/yr based on AP-42 emission factors, based on the allowable hourly emission and the hours of operation. [N.J.A.C. 7:27-22.16(a)] | PM-2.5 (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | Other: Keep calculation records.[N.J.A.C. 7:27-22.16(o)]. | None. |
| 5 | Hours of Operation <= 3,000 hr/yr. [N.J.A.C. 7:27-22.16(a)] | Hours of Operation: Monitored by hour/time monitor continuously, based on a consecutive 12 month period (rolling 1 month basis). Monitor hours of operation by a non-resettable hour meter. [N.J.A.C. 7:27-22.16(o)] | Other: Keep records of cumulative operating hours monthly. Record the difference between the cumulative hours for the month and the cumulative hours for the month 12 months before.[N.J.A.C. 7:27-22.16(o)]. | None. |

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

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 6 | Water spray equipment shall be operated for dust management purposes on significant equipment at points where dry aggregate creates visible dust emissions. If the water flow from the spray equipment ceases and is needed; crushing, screening, and conveying shall also cease until water is supplied for proper dust management. [N.J.A.C. 7:27-22.16(a)] | Monitored by visual determination continuously while operating the equipment. [N.J.A.C. 7:27-22.16(o)] | Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The records shall show that all the necessary water spray equipment was inspected and needed repairs have been done. Also record each occurrence of a malfunction. [N.J.A.C. 7:27-22.16(o)] | None. |

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

**Emission Unit:** **U5 E8-2 Portable Screener**
**Operating Scenario:** **OS1 E8-2 Portable Screener**

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 1 | TSP <= 1.25 lb/hr based on AP-42 emission factors. [N.J.A.C. 7:27-22.16(a)] | TSP: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | Other: Keep record of calculations.[N.J.A.C. 7:27-22.16(o)]. | None. |
| 2 | PM-10 (Total) <= 0.44 lb/hr based on AP-42 emission factors. [N.J.A.C. 7:27-22.16(a)] | PM-10 (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | Other: Keep record of calculations.[N.J.A.C. 7:27-22.16(o)]. | None. |
| 3 | PM-2.5 (Total) <= 0.44 lb/hr based on AP-42 emission factors. [N.J.A.C. 7:27-22.16(a)] | PM-2.5 (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | Other: Keep record of calculations.[N.J.A.C. 7:27-22.16(o)]. | None. |

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

**Emission Unit:** **U6 Sorting Line Conveyor**
**Operating Scenario:** **OS Summary**

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 1 | TSP <= 0.569 tons/yr. [N.J.A.C. 7:27-22.16(e)] | None. | None. | None. |
| 2 | PM-10 (Total) <= 0.219 tons/yr. [N.J.A.C. 7:27-22.16(e)] | None. | None. | None. |
| 3 | No Visible Emissions, exclusive of condensed water vapor, except for no more than 3 minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-22.16(e)] | Monitored by visual determination each month during operation. Conduct visual opacity inspections during daylight hours to identify if the stack has visible emissions, other than condensed water vapor. Select an observation position enabling clear view of emission point(s), minimum 15 feet away without sunlight shining directly into the eyes. Observe for a minimum duration of 30 minutes. Clock observation with two stopwatches starting the 1st watch at the commencement of the 30-minute observation period and starting and stopping the 2nd watch every time visible emissions are first seen and when they cease, and record the observation. If visible emissions are observed for more than 3 minutes in the 30-consecutive minutes:<br>(1) Verify the equipment and/or control device causing visible emissions is operating according to manufacturer's specifications. If it is not operating properly, take corrective action immediately to eliminate the excess emissions. (2) If the opacity problem is not corrected within 24 hours, perform a check via a certified opacity reader, in accordance with N.J.A.C. 7:27B-2. Conduct such test each day until the opacity problem is successfully corrected. [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. Record and retain the following:<br>(1) Date and time of inspection;<br>(2) Emission Point number;<br>(3) Operational status of equipment:<br>(4) Observed results and conclusions:<br>(5) Description of corrective action taken if needed;<br>(6) Date and time opacity problem was solved, if applicable;<br>(7) N.J.A.C. 7:27B-2 results if conducted; and<br>(8) Name of person(s) conducting inspection. [N.J.A.C. 7:27-22.16(o)] | None. |
| 4 | See the GR1 compliance plan for additional requirement for this emission unit. [N.J.A.C. 7:27-22.16(a)] | None. | None. | None. |

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

**Emission Unit:** **U6 Sorting Line Conveyor**
**Operating Scenario:** **OS1 Sorting Line Conveyor**

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 1 | TSP <= 0.13 lb/hr. [N.J.A.C. 7:27-22.16(e)] | None. | None. | None. |
| 2 | PM-10 (Total) <= 0.05 lb/hr. [N.J.A.C. 7:27-22.16(e)] | None. | None. | None. |

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

**Emission Unit:** **U7 Electric Wood Grinder**
**Operating Scenario:** **OS Summary**

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 1 | Air contaminant emissions are less than the reporting threshold. [N.J.A.C. 7:27-22.16(e)] | None. | None. | None. |
| 2 | See the GR1 compliance plan for additional requirement for this emission unit. [N.J.A.C. 7:27-22.16(a)] | None. | None. | None. |

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

**Emission Unit:** **U8 Electric Screener 1**
**Operating Scenario:** **OS Summary**

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 1 | Air contaminant emissions are less than the reporting threshold [N.J.A.C. 7:27-22.16(e)] | None. | None. | None. |
| 2 | See the GR1 compliance plan for additional requirement for this emission unit. [N.J.A.C. 7:27-22.16(a)] | None. | None. | None. |

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

**Emission Unit:** **U9 Electric Screener 2**
**Operating Scenario:** **OS Summary**

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 1 | Air contaminant emissions are less than the reporting threshold [N.J.A.C. 7:27-22.16(e)] | None. | None. | None. |
| 2 | See the GR1 compliance plan for additional requirement for this emission unit. [N.J.A.C. 7:27-22.16(a)] | None. | None. | None. |

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

**Emission Unit:** **U10 Electric Screener 3**
**Operating Scenario:** **OS Summary**

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 1 | Air contaminant emissions are less than the reporting threshold [N.J.A.C. 7:27-22.16(e)] | None. | None. | None. |
| 2 | See the GR1 compliance plan for additional requirement for this emission unit. [N.J.A.C. 7:27-22.16(a)] | None. | None. | None. |

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

**Emission Unit:** **U11 Electric destoner**
**Operating Scenario:** **OS Summary**

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 1 | Air contaminant emissions are less than the reporting threshold [N.J.A.C. 7:27-22.16(e)] | None. | None. | None. |
| 2 | See the GR1 compliance plan for additional requirement for this emission unit. [N.J.A.C. 7:27-22.16(a)] | None. | None. | None. |

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

**Emission Unit:** **U12 Electric magnetic separator**
**Operating Scenario:** **OS Summary**

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 1 | Air contaminant emissions are less than the reporting threshold [N.J.A.C. 7:27-22.16(e)] | None. | None. | None. |
| 2 | See the GR1 compliance plan for additional requirement for this emission unit. [N.J.A.C. 7:27-22.16(a)] | None. | None. | None. |

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

**Emission Unit:** **U13 Class B Facility equipment**
**Operating Scenario:** **OS Summary**

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 1 | This Emission Unit (U13) includes operation of 15 equipment: 5 crushers, 5 conveyors and 5 screeners under OS1 through OS14. The processing capacity of any equipment for material handling shall not exceed permitted daily inflow capacity of 7500 tons per day. [N.J.A.C. 7:27-22.16(a)] | Other: The method for monitoring is to record the manifests from all receipts on daily basis.[N.J.A.C. 7:27-22.16(o)]. | 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. |
| 2 | Some operations performed under this Emision Unit are operated by diesel powered engines. Since those Engines have fuel input capacity (in terms of thermal content of diesel) is less than 1 MM BTU/hr of Gross Heat Input (GHI), the combustion emisions from such Engines are included in Insignificant Sources. The permittee shall keep records of hours run in such machines during the calendar year. [N.J.A.C. 7:27-22.16(a)] | Other: Monitor hours of operation. Manually record the start time and end time of diesel powered engines while operating the equipment.[N.J.A.C. 7:27-22.16(o)]. | Other: Keep records of engine operating hours monthly.[N.J.A.C. 7:27-22.16(o)]. | None. |
| 3 | TSP <= 8.61 tons/yr. [N.J.A.C. 7:27-22.16(e)] | None. | None. | None. |
| 4 | PM-10 (Total) <= 3.76 tons/yr. [N.J.A.C. 7:27-22.16(e)] | None. | None. | None. |
| 5 | PM-2.5 (Total) <= 3.76 tons/yr. [N.J.A.C. 7:27-22.16(a)] | None. | None. | None. |
| 6 | Hours of Operation <= 2,600 hr/yr. [N.J.A.C. 7:27-22.16(a)] | Hours of Operation: Monitored by hour/time monitor continuously, based on a consecutive 12 month period (rolling 1 month basis). Monitor hours of operation by a non-resettable hour meter. [N.J.A.C. 7:27-22.16(o)] | Other: Keep records of cumulative operating hours monthly. Record the difference between the cumulative hours for the month and the cumulative hours for the month 12 months before.[N.J.A.C. 7:27-22.16(o)]. | None. |

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

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 7 | No Visible Emissions, exclusive of condensed water vapor, except for no more than 3 minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-22.16(e)] | Monitored by visual determination each month during operation. Conduct visual opacity inspections during daylight hours to identify if the stack has visible emissions, other than condensed water vapor. Select an observation position enabling clear view of emission point(s), minimum 15 feet away without sunlight shining directly into the eyes. Observe for a minimum duration of 30 minutes. Clock observation with two stopwatches starting the 1st watch at the commencement of the 30-minute observation period and starting and stopping the 2nd watch every time visible emissions are first seen and when they cease, and record the observation. If visible emissions are observed for more than 3 minutes in the 30-consecutive minutes:<br>(1) Verify the equipment and/or control device causing visible emissions is operating according to manufacturer's specifications. If it is not operating properly, take corrective action immediately to eliminate the excess emissions. (2) If the opacity problem is not corrected within 24 hours, perform a check via a certified opacity reader, in accordance with N.J.A.C. 7:27B-2. Conduct such test each day until the opacity problem is successfully corrected. [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. Record and retain the following:<br>(1) Date and time of inspection;<br>(2) Emission Point number;<br>(3) Operational status of equipment:<br>(4) Observed results and conclusions:<br>(5) Description of corrective action taken if needed;<br>(6) Date and time opacity problem was solved, if applicable;<br>(7) N.J.A.C. 7:27B-2 results if conducted; and<br>(8) Name of person(s) conducting inspection. [N.J.A.C. 7:27-22.16(o)] | None. |
| 8 | Water spray equipment shall be operated for dust management purposes on significant equipment at points where dry aggregate creates visible dust emissions. If the water flow from the spray equipment ceases and is needed; crushing, screening, and conveying shall also cease until water is supplied for proper dust management. [N.J.A.C. 7:27-22.16(a)] | Monitored by visual determination continuously while operating the equipment. [N.J.A.C. 7:27-22.16(o)] | Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The records shall show that all the necessary water spray equipment was inspected and needed repairs have been done. Also record each occurrence of a malfunction. [N.J.A.C. 7:27-22.16(o)] | None. |

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

**Emission Unit:** **U13 Class B Facility equipment**
**Operating Scenario:** **OS1 Mobile screener 1**

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 1 | TSP <= 1.25 lb/hr. [N.J.A.C. 7:27-22.16(e)] | TSP: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | None. | None. |
| 2 | PM-10 (Total) <= 0.44 lb/hr. [N.J.A.C. 7:27-22.16(e)] | PM-10 (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | None. | None. |
| 3 | PM-2.5 (Total) <= 0.44 lb/hr. [N.J.A.C. 7:27-22.16(a)] | PM-2.5 (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | None. | None. |

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

**Emission Unit:** **U13 Class B Facility equipment**
**Operating Scenario:** **OS2 Stationary electric crusher 1**

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 1 | TSP <= 0.24 lb/hr. [N.J.A.C. 7:27-22.16(e)] | TSP: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | None. | None. |
| 2 | PM-10 (Total) <= 0.09 lb/hr. [N.J.A.C. 7:27-22.16(e)] | PM-10 (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | None. | None. |
| 3 | PM-2.5 (Total) <= 0.09 lb/hr. [N.J.A.C. 7:27-22.16(a)] | PM-2.5 (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | None. | None. |

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

**Emission Unit:** **U13 Class B Facility equipment**
**Operating Scenario:** **OS3 Mobile crusher with conveyor 1**

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 1 | TSP <= 0.12 lb/hr. [N.J.A.C. 7:27-22.16(e)] | TSP: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | None. | None. |

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

**Emission Unit:** **U13 Class B Facility equipment**
**Operating Scenario:** **OS4 Stationary electric crusher 2, OS14 Stationary electric crusher 3**

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 1 | TSP <= 0.43 lb/hr. [N.J.A.C. 7:27-22.16(e)] | TSP: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | None. | None. |
| 2 | PM-10 (Total) <= 0.19 lb/hr. [N.J.A.C. 7:27-22.16(e)] | PM-10 (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | None. | None. |
| 3 | PM-2.5 (Total) <= 0.19 lb/hr. [N.J.A.C. 7:27-22.16(a)] | PM-2.5 (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | None. | None. |

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

**Emission Unit:** **U13 Class B Facility equipment**
**Operating Scenario:** **OS5 Stationary electric screener 1**

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 1 | TSP <= 2 lb/hr. [N.J.A.C. 7:27-22.16(e)] | TSP: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | None. | None. |
| 2 | PM-10 (Total) <= 0.7 lb/hr. [N.J.A.C. 7:27-22.16(e)] | PM-10 (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | None. | None. |
| 3 | PM-2.5 (Total) <= 0.7 lb/hr. [N.J.A.C. 7:27-22.16(a)] | PM-2.5 (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | None. | None. |

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

**Emission Unit:** **U13 Class B Facility equipment**
**Operating Scenario:** **OS6 Mobile crusher 1**

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 1 | TSP <= 0.22 lb/hr. [N.J.A.C. 7:27-22.16(e)] | TSP: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | None. | None. |
| 2 | PM-10 (Total) <= 0.1 lb/hr. [N.J.A.C. 7:27-22.16(e)] | PM-10 (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | None. | None. |
| 3 | PM-2.5 (Total) <= 0.1 lb/hr. [N.J.A.C. 7:27-22.16(a)] | PM-2.5 (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | None. | None. |

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

**Emission Unit:** **U13 Class B Facility equipment**
**Operating Scenario:** **OS7 Mobile screener 2**

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 1 | TSP <= 1.25 lb/hr. [N.J.A.C. 7:27-22.16(e)] | TSP: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | None. | None. |
| 2 | PM-10 (Total) <= 0.44 lb/hr. [N.J.A.C. 7:27-22.16(e)] | PM-10 (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | None. | None. |
| 3 | PM-2.5 (Total) <= 0.44 lb/hr. [N.J.A.C. 7:27-22.16(a)] | PM-2.5 (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | None. | None. |

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

**Emission Unit:** **U13 Class B Facility equipment**
**Operating Scenario:** **OS8 Mobile screener 3**

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 1 | TSP <= 1.25 lb/hr. [N.J.A.C. 7:27-22.16(e)] | TSP: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | None. | None. |
| 2 | PM-10 (Total) <= 0.44 lb/hr. [N.J.A.C. 7:27-22.16(e)] | PM-10 (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | None. | None. |
| 3 | PM-2.5 (Total) <= 0.44 lb/hr. [N.J.A.C. 7:27-22.16(a)] | PM-2.5 (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | None. | None. |

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

**Emission Unit:** **U13 Class B Facility equipment**
**Operating Scenario:** **OS9 Mobile screener 4**

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 1 | TSP <= 1.25 lb/hr. [N.J.A.C. 7:27-22.16(e)] | TSP: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | None. | None. |
| 2 | PM-10 (Total) <= 1.25 lb/hr. [N.J.A.C. 7:27-22.16(e)] | PM-10 (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | None. | None. |
| 3 | PM-2.5 (Total) <= 1.25 lb/hr. [N.J.A.C. 7:27-22.16(a)] | PM-2.5 (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | None. | None. |

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

**Emission Unit:** **U13 Class B Facility equipment**
**Operating Scenario:** **OS10 Mobile conveyor 2**

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 1 | TSP <= 0.15 lb/hr. [N.J.A.C. 7:27-22.16(e)] | TSP: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | None. | None. |
| 2 | PM-10 (Total) <= 0.06 lb/hr. [N.J.A.C. 7:27-22.16(e)] | PM-10 (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | None. | None. |
| 3 | PM-2.5 (Total) <= 0.06 lb/hr. [N.J.A.C. 7:27-22.16(a)] | PM-2.5 (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | None. | None. |

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

**Emission Unit:** **U13 Class B Facility equipment**
**Operating Scenario:** **OS11 Mobile conveyor 3**

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 1 | TSP <= 0.15 lb/hr. [N.J.A.C. 7:27-22.16(e)] | TSP: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | None. | None. |
| 2 | PM-10 (Total) <= 0.06 lb/hr. [N.J.A.C. 7:27-22.16(e)] | PM-10 (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | None. | None. |
| 3 | PM-2.5 (Total) <= 0.06 lb/hr. [N.J.A.C. 7:27-22.16(a)] | PM-2.5 (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | None. | None. |

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

**Emission Unit:** **U13 Class B Facility equipment**
**Operating Scenario:** **OS12 Mobile conveyor 4**

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 1 | TSP <= 0.15 lb/hr. [N.J.A.C. 7:27-22.16(e)] | TSP: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | None. | None. |
| 2 | PM-10 (Total) <= 0.06 lb/hr. [N.J.A.C. 7:27-22.16(e)] | PM-10 (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | None. | None. |
| 3 | PM-2.5 (Total) <= 0.06 lb/hr. [N.J.A.C. 7:27-22.16(a)] | PM-2.5 (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | None. | None. |

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

**Emission Unit:** **U13 Class B Facility equipment**
**Operating Scenario:** **OS13 Mobile conveyor 5**

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 1 | TSP <= 0.15 lb/hr. [N.J.A.C. 7:27-22.16(e)] | TSP: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | None. | None. |
| 2 | PM-10 (Total) <= 0.06 lb/hr. [N.J.A.C. 7:27-22.16(e)] | PM-10 (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | None. | None. |
| 3 | PM-2.5 (Total) <= 0.06 lb/hr. [N.J.A.C. 7:27-22.16(a)] | PM-2.5 (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | None. | None. |

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

**Emission Unit:** **U14 TS 80 Portable Stacker**
**Operating Scenario:** **OS Summary**

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 1 | TSP <= 0.22 tons/yr based on AP-42 emission factors, based on the allowable hourly emission and the hours of operation. [N.J.A.C. 7:27-22.16(a)] | TSP: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | Other: Keep calculation records.[N.J.A.C. 7:27-22.16(o)]. | None. |
| 2 | PM-10 (Total) <= 0.02 tons/yr based on AP-42 emission factors, based on the allowable hourly emission and the hours of operation. [N.J.A.C. 7:27-22.16(a)] | PM-10 (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | Other: Keep calculation records.[N.J.A.C. 7:27-22.16(o)]. | None. |
| 3 | PM-2.5 (Total) <= 0.02 tons/yr based on AP-42 emission factors, based on the allowable hourly emission and the hours of operation. [N.J.A.C. 7:27-22.16(a)] | PM-2.5 (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | Other: Keep calculation records.[N.J.A.C. 7:27-22.16(o)]. | None. |
| 4 | Hours of Operation <= 3,000 hr/yr. [N.J.A.C. 7:27-22.16(a)] | Hours of Operation: Monitored by hour/time monitor continuously, based on a consecutive 12 month period (rolling 1 month basis). Monitor hours of operation by a non-resettable hour meter. [N.J.A.C. 7:27-22.16(o)] | Other: Keep records of cumulative operating hours monthly. Record the difference between the cumulative hours for the month and the cumulative hours for the month 12 months before.[N.J.A.C. 7:27-22.16(o)]. | None. |
| 5 | No Visible Emissions, exclusive of condensed water vapor, except for no more than 3 minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-22.16(a)] | Monitored by visual determination each month during operation. Conduct visual opacity inspections during daylight hours to identify if the processing equipment has visible emissions, other than condensed water vapor. [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. Record and retain the following:<br>(1) Date and time of inspection;<br>(2) Operational status of equipment:<br>(3) Observed results and conclusions:<br>(4) Description of corrective action taken if needed;<br>(5) Date and time opacity problem was solved, if applicable; and<br>(6) Name of person(s) conducting inspection. [N.J.A.C. 7:27-22.16(o)] | Other (provide description): Upon occurrence of event If visible emissions are observed, verify the equipment and/or control device causing visible emissions is operating according to manufacturer's specifications. The visible emissions must be eliminated or the equipment shall be shut down until the problem is identified and corrective action taken. [N.J.A.C. 7:27-22.16(o)] |

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

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 6 | Water spray equipment shall be operated for dust management purposes on significant equipment at points where dry aggregate creates visible dust emissions. If the water flow from the spray equipment ceases and is needed; crushing, screening, and conveying shall also cease until water is supplied for proper dust management. [N.J.A.C. 7:27-22.16(a)] | Monitored by visual determination continuously while operating the equipment. [N.J.A.C. 7:27-22.16(o)] | Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The records shall show that all the necessary water spray equipment was inspected and needed repairs have been done. Also record each occurrence of a malfunction. [N.J.A.C. 7:27-22.16(o)] | None. |

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

**Emission Unit:** **U14 TS 80 Portable Stacker**
**Operating Scenario:** **OS1 TS 80 Stacker Conveyor**

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 1 | TSP <= 0.15 lb/hr based on AP-42 emission factors. [N.J.A.C. 7:27-22.16(a)] | TSP: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | Other: Keep record of calculations.[N.J.A.C. 7:27-22.16(o)]. | None. |

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

**Emission Unit:** **U15 QJ 340 Portable Crusher**
**Operating Scenario:** **OS Summary**

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 1 | VOC (Total) <= 0.09 tons/yr based on AP-42 emission factors, based on the allowable hourly emission and the hours of operation. [N.J.A.C. 7:27-22.16(a)] | VOC (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | Other: Keep calculation records.[N.J.A.C. 7:27-22.16(o)]. | None. |
| 2 | NOx (Total) <= 4.1 tons/yr based on AP-42 emission factors, based on the allowable hourly emission and the hours of operation. [N.J.A.C. 7:27-22.16(a)] | NOx (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | Other: Keep calculation records.[N.J.A.C. 7:27-22.16(o)]. | None. |
| 3 | CO <= 1.95 tons/yr based on AP-42 emission factors, based on the allowable hourly emission and the hours of operation. [N.J.A.C. 7:27-22.16(a)] | CO: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | Other: Keep calculation records.[N.J.A.C. 7:27-22.16(o)]. | None. |
| 4 | TSP <= 0.33 tons/yr based on AP-42 emission factors, based on the allowable hourly emission and the hours of operation. [N.J.A.C. 7:27-22.16(a)] | TSP: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | Other: Keep calculation records.[N.J.A.C. 7:27-22.16(o)]. | None. |
| 5 | PM-10 (Total) <= 0.02 tons/yr based on AP-42 emission factors, based on the allowable hourly emission and the hours of operation. [N.J.A.C. 7:27-22.16(a)] | PM-10 (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | Other: Keep calculation records.[N.J.A.C. 7:27-22.16(o)]. | None. |
| 6 | PM-2.5 (Total) <= 0.02 tons/yr based on AP-42 emission factors, based on the allowable hourly emission and the hours of operation. [N.J.A.C. 7:27-22.16(a)] | PM-2.5 (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | Other: Keep calculation records.[N.J.A.C. 7:27-22.16(o)]. | None. |
| 7 | Hours of Operation <= 3,000 hr/yr. [N.J.A.C. 7:27-22.16(a)] | Hours of Operation: Monitored by hour/time monitor continuously, based on a consecutive 12 month period (rolling 1 month basis). Monitor hours of operation by a non-resettable hour meter. [N.J.A.C. 7:27-22.16(o)] | Other: Keep records of cumulative operating hours monthly. Record the difference between the cumulative hours for the month and the cumulative hours for the month 12 months before.[N.J.A.C. 7:27-22.16(o)]. | None. |

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

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 8 | No Visible Emissions, exclusive of condensed water vapor, except for no more than 3 minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-22.16(a)] | Monitored by visual determination each month during operation. Conduct visual opacity inspections during daylight hours to identify if the processing equipment has visible emissions, other than condensed water vapor. [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. Record and retain the following:<br>(1) Date and time of inspection;<br>(2) Operational status of equipment:<br>(3) Observed results and conclusions:<br>(4) Description of corrective action taken if needed;<br>(5) Date and time opacity problem was solved, if applicable; and<br>(6) Name of person(s) conducting inspection. [N.J.A.C. 7:27-22.16(o)] | Other (provide description): Upon occurrence of event If visible emissions are observed, verify the equipment and/or control device causing visible emissions is operating according to manufacturer's specifications. The visible emissions must be eliminated or the equipment shall be shut down until the problem is identified and corrective action taken. [N.J.A.C. 7:27-22.16(o)] |
| 9 | Water spray equipment shall be operated for dust management purposes on significant equipment at points where dry aggregate creates visible dust emissions. If the water flow from the spray equipment ceases and is needed; crushing, screening, and conveying shall also cease until water is supplied for proper dust management. [N.J.A.C. 7:27-22.16(a)] | Monitored by visual determination continuously while operating the equipment. [N.J.A.C. 7:27-22.16(o)] | Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The records shall show that all the necessary water spray equipment was inspected and needed repairs have been done. Also record each occurrence of a malfunction. [N.J.A.C. 7:27-22.16(o)] | None. |

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

**Emission Unit:** **U15 QJ 340 Portable Crusher**
**Operating Scenario:** **OS1 E47 QJ340 Conveyors**

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 1 | VOC (Total) <= 0.09 lb/hr based on AP-42 emission factors. [N.J.A.C. 7:27-22.16(a)] | VOC (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | Other: Keep record of calculations.[N.J.A.C. 7:27-22.16(o)]. | None. |
| 2 | NOx (Total) <= 2.75 lb/hr based on AP-42 emission factors. [N.J.A.C. 7:27-22.16(a)] | NOx (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | Other: Keep record of calculations.[N.J.A.C. 7:27-22.16(o)]. | None. |
| 3 | CO <= 1.3 lb/hr based on AP-42 emission factors. [N.J.A.C. 7:27-22.16(a)] | CO: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | Other: Keep record of calculations.[N.J.A.C. 7:27-22.16(o)]. | None. |
| 4 | TSP <= 0.22 lb/hr based on AP-42 emission factors. [N.J.A.C. 7:27-22.16(a)] | TSP: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | Other: Keep record of calculations.[N.J.A.C. 7:27-22.16(o)]. | None. |

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

**Emission Unit:** **U16 Portable Crusher**
**Operating Scenario:** **OS Summary**

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 1 | CO <= 1.95 tons/yr based on AP-42 emission factors, based on the allowable hourly emission and the hours of operation. [N.J.A.C. 7:27-22.16(a)] | CO: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | Other: Keep calculation records.[N.J.A.C. 7:27-22.16(o)]. | None. |
| 2 | NOx (Total) <= 4.1 tons/yr based on AP-42 emission factors, based on the allowable hourly emission and the hours of operation. [N.J.A.C. 7:27-22.16(a)] | NOx (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | Other: Keep calculation records.[N.J.A.C. 7:27-22.16(o)]. | None. |
| 3 | VOC (Total) <= 0.09 tons/yr based on AP-42 emission factors, based on the allowable hourly emission and the hours of operation. [N.J.A.C. 7:27-22.16(a)] | VOC (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | Other: Keep calculation records.[N.J.A.C. 7:27-22.16(o)]. | None. |
| 4 | PM-10 (Total) <= 0.15 tons/yr based on AP-42 emission factors, based on the allowable hourly emission and the hours of operation. [N.J.A.C. 7:27-22.16(a)] | PM-10 (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | Other: Keep calculation records.[N.J.A.C. 7:27-22.16(o)]. | None. |
| 5 | TSP <= 0.33 tons/yr based on AP-42 emission factors, based on the allowable hourly emission and the hours of operation. [N.J.A.C. 7:27-22.16(a)] | TSP: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | Other: Keep calculation records.[N.J.A.C. 7:27-22.16(o)]. | None. |
| 6 | Hours of Operation <= 3,000 hr/yr. [N.J.A.C. 7:27-22.16(a)] | Hours of Operation: Monitored by hour/time monitor continuously, based on a consecutive 12 month period (rolling 1 month basis). Monitor hours of operation by a non-resettable hour meter. [N.J.A.C. 7:27-22.16(o)] | Other: Keep records of cumulative operating hours monthly. Record the difference between the cumulative hours for the month and the cumulative hours for the month 12 months before.[N.J.A.C. 7:27-22.16(o)]. | None. |
| 7 | PM-2.5 (Total) <= 0.15 tons/yr based on AP-42 emission factors, based on the allowable hourly emission and the hours of operation. [N.J.A.C. 7:27-22.16(a)] | PM-2.5 (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | Other: Keep calculation records.[N.J.A.C. 7:27-22.16(o)]. | None. |

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

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 8 | No Visible Emissions, exclusive of condensed water vapor, except for no more than 3 minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-22.16(a)] | Monitored by visual determination each month during operation. Conduct visual opacity inspections during daylight hours to identify if the processing equipment has visible emissions, other than condensed water vapor. [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. Record and retain the following:<br>(1) Date and time of inspection;<br>(2) Operational status of equipment:<br>(3) Observed results and conclusions:<br>(4) Description of corrective action taken if needed;<br>(5) Date and time opacity problem was solved, if applicable; and<br>(6) Name of person(s) conducting inspection. [N.J.A.C. 7:27-22.16(o)] | Other (provide description): Upon occurrence of event If visible emissions are observed, verify the equipment and/or control device causing visible emissions is operating according to manufacturer's specifications. The visible emissions must be eliminated or the equipment shall be shut down until the problem is identified and corrective action taken. [N.J.A.C. 7:27-22.16(o)] |
| 9 | Water spray equipment shall be operated for dust management purposes on significant equipment at points where dry aggregate creates visible dust emissions. If the water flow from the spray equipment ceases and is needed; crushing, screening, and conveying shall also cease until water is supplied for proper dust management. [N.J.A.C. 7:27-22.16(a)] | Monitored by visual determination continuously while operating the equipment. [N.J.A.C. 7:27-22.16(o)] | Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The records shall show that all the necessary water spray equipment was inspected and needed repairs have been done. Also record each occurrence of a malfunction. [N.J.A.C. 7:27-22.16(o)] | None. |

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

**Emission Unit:** **U16 Portable Crusher**
**Operating Scenario:** **OS1 Portable Rock Crusher**

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 1 | VOC (Total) <= 0.09 lb/hr based on AP-42 emission factors. [N.J.A.C. 7:27-22.16(a)] | VOC (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | Other: Keep record of calculations.[N.J.A.C. 7:27-22.16(o)]. | None. |
| 2 | NOx (Total) <= 2.75 lb/hr based on AP-42 emission factors. [N.J.A.C. 7:27-22.16(a)] | NOx (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | Other: Keep record of calculations.[N.J.A.C. 7:27-22.16(o)]. | None. |
| 3 | CO <= 1.3 lb/hr based on AP-42 emission factors. [N.J.A.C. 7:27-22.16(a)] | CO: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | Other: Keep record of calculations.[N.J.A.C. 7:27-22.16(o)]. | None. |
| 4 | TSP <= 0.22 lb/hr based on AP-42 emission factors. [N.J.A.C. 7:27-22.16(a)] | TSP: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | Other: Keep record of calculations.[N.J.A.C. 7:27-22.16(o)]. | None. |
| 5 | PM-10 (Total) <= 0.1 lb/hr based on AP-42 emission factors. [N.J.A.C. 7:27-22.16(a)] | PM-10 (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | PM-10 (Total): Recordkeeping by calculations.[N.J.A.C. 7:27-22.16(o)]. | None. |
| 6 | PM-2.5 (Total) <= 0.1 lb/hr based on AP-42 emission factors. [N.J.A.C. 7:27-22.16(a)] | PM-2.5 (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | PM-2.5 (Total): Recordkeeping by calculations.[N.J.A.C. 7:27-22.16(o)]. | None. |

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

**Emission Unit:** **U17 E8-1 Portable Screener**
**Operating Scenario:** **OS Summary**

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 1 | TSP <= 1.9 tons/yr based on AP-42 emission factors, based on the allowable hourly emission and the hours of operation. [N.J.A.C. 7:27-22.16(a)] | TSP: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | Other: Keep calculation records.[N.J.A.C. 7:27-22.16(o)]. | None. |
| 2 | PM-10 (Total) <= 0.66 tons/yr based on AP-42 emission factors, based on the allowable hourly emission and the hours of operation. [N.J.A.C. 7:27-22.16(a)] | PM-10 (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | Other: Keep calculation records.[N.J.A.C. 7:27-22.16(o)]. | None. |
| 3 | PM-2.5 (Total) <= 0.66 tons/yr based on AP-42 emission factors, based on the allowable hourly emission and the hours of operation. [N.J.A.C. 7:27-22.16(a)] | PM-2.5 (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | Other: Keep calculation records.[N.J.A.C. 7:27-22.16(o)]. | None. |
| 4 | Hours of Operation <= 3,000 hr/yr. [N.J.A.C. 7:27-22.16(a)] | Hours of Operation: Monitored by hour/time monitor continuously, based on a consecutive 12 month period (rolling 1 month basis). Monitor hours of operation by a non-resettable hour meter. [N.J.A.C. 7:27-22.16(o)] | Other: Keep records of cumulative operating hours monthly. Record the difference between the cumulative hours for the month and the cumulative hours for the month 12 months before.[N.J.A.C. 7:27-22.16(o)]. | None. |
| 5 | No Visible Emissions, exclusive of condensed water vapor, except for no more than 3 minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-22.16(a)] | Monitored by visual determination each month during operation. Conduct visual opacity inspections during daylight hours to identify if the processing equipment has visible emissions, other than condensed water vapor. [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. Record and retain the following:<br>(1) Date and time of inspection;<br>(2) Operational status of equipment:<br>(3) Observed results and conclusions:<br>(4) Description of corrective action taken if needed;<br>(5) Date and time opacity problem was solved, if applicable; and<br>(6) Name of person(s) conducting inspection. [N.J.A.C. 7:27-22.16(o)] | Other (provide description): Upon occurrence of event If visible emissions are observed, verify the equipment and/or control device causing visible emissions is operating according to manufacturer's specifications. The visible emissions must be eliminated or the equipment shall be shut down until the problem is identified and corrective action taken. [N.J.A.C. 7:27-22.16(o)] |

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

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 6 | Water spray equipment shall be operated for dust management purposes on significant equipment at points where dry aggregate creates visible dust emissions. If the water flow from the spray equipment ceases and is needed; crushing, screening, and conveying shall also cease until water is supplied for proper dust management. [N.J.A.C. 7:27-22.16(a)] | Monitored by visual determination continuously while operating the equipment. [N.J.A.C. 7:27-22.16(o)] | Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The records shall show that all the necessary water spray equipment was inspected and needed repairs have been done. Also record each occurrence of a malfunction. [N.J.A.C. 7:27-22.16(o)] | None. |

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

**Emission Unit:** **U17 E8-1 Portable Screener**
**Operating Scenario:** **OS1 Portable Screener**

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 1 | TSP <= 1.25 lb/hr based on AP-42 emission factors. [N.J.A.C. 7:27-22.16(a)] | TSP: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | Other: Keep record of calculations.[N.J.A.C. 7:27-22.16(o)]. | None. |
| 2 | PM-10 (Total) <= 0.44 lb/hr based on AP-42 emission factors. [N.J.A.C. 7:27-22.16(a)] | PM-10 (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | Other: Keep record of calculations.[N.J.A.C. 7:27-22.16(o)]. | None. |
| 3 | PM-2.5 (Total) <= 0.44 lb/hr based on AP-42 emission factors. [N.J.A.C. 7:27-22.16(a)] | PM-2.5 (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | Other: Keep record of calculations.[N.J.A.C. 7:27-22.16(o)]. | None. |

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

**Emission Unit:** **U18 Portable Screener**
**Operating Scenario:** **OS Summary**

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 1 | TSP <= 1.9 tons/yr based on AP-42 emission factors, based on the allowable hourly emission and the hours of operation. [N.J.A.C. 7:27-22.16(a)] | TSP: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | Other: Keep calculation records.[N.J.A.C. 7:27-22.16(o)]. | None. |
| 2 | PM-10 (Total) <= 0.66 tons/yr based on AP-42 emission factors, based on the allowable hourly emission and the hours of operation. [N.J.A.C. 7:27-22.16(a)] | PM-10 (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | Other: Keep calculation records.[N.J.A.C. 7:27-22.16(o)]. | None. |
| 3 | PM-2.5 (Total) <= 0.66 tons/yr based on AP-42 emission factors, based on the allowable hourly emission and the hours of operation. [N.J.A.C. 7:27-22.16(a)] | PM-2.5 (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | Other: Keep calculation records.[N.J.A.C. 7:27-22.16(o)]. | None. |
| 4 | Hours of Operation <= 3,000 hr/yr. [N.J.A.C. 7:27-22.16(a)] | Hours of Operation: Monitored by hour/time monitor continuously, based on a consecutive 12 month period (rolling 1 month basis). Monitor hours of operation by a non-resettable hour meter. [N.J.A.C. 7:27-22.16(o)] | Other: Keep records of cumulative operating hours monthly. Record the difference between the cumulative hours for the month and the cumulative hours for the month 12 months before.[N.J.A.C. 7:27-22.16(o)]. | None. |
| 5 | No Visible Emissions, exclusive of condensed water vapor, except for no more than 3 minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-22.16(a)] | Monitored by visual determination each month during operation. Conduct visual opacity inspections during daylight hours to identify if the processing equipment has visible emissions, other than condensed water vapor. [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. Record and retain the following:<br>(1) Date and time of inspection;<br>(2) Operational status of equipment:<br>(3) Observed results and conclusions:<br>(4) Description of corrective action taken if needed;<br>(5) Date and time opacity problem was solved, if applicable; and<br>(6) Name of person(s) conducting inspection. [N.J.A.C. 7:27-22.16(o)] | Other (provide description): Upon occurrence of event If visible emissions are observed, verify the equipment and/or control device causing visible emissions is operating according to manufacturer's specifications. The visible emissions must be eliminated or the equipment shall be shut down until the problem is identified and corrective action taken. [N.J.A.C. 7:27-22.16(o)] |

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

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 6 | Water spray equipment shall be operated for dust management purposes on significant equipment at points where dry aggregate creates visible dust emissions. If the water flow from the spray equipment ceases and is needed; crushing, screening, and conveying shall also cease until water is supplied for proper dust management. [N.J.A.C. 7:27-22.16(a)] | Monitored by visual determination continuously while operating the equipment. [N.J.A.C. 7:27-22.16(o)] | Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The records shall show that all the necessary water spray equipment was inspected and needed repairs have been done. Also record each occurrence of a malfunction. [N.J.A.C. 7:27-22.16(o)] | None. |

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

**Emission Unit:** **U18 Portable Screener**
**Operating Scenario:** **OS1 Portable Screener**

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 1 | TSP <= 1.25 lb/hr based on AP-42 emission factors. [N.J.A.C. 7:27-22.16(a)] | TSP: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | Other: Keep record of calculations.[N.J.A.C. 7:27-22.16(o)]. | None. |
| 2 | PM-10 (Total) <= 0.44 lb/hr based on AP-42 emission factors. [N.J.A.C. 7:27-22.16(a)] | PM-10 (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | Other: Keep record of calculations.[N.J.A.C. 7:27-22.16(o)]. | None. |
| 3 | PM-2.5 (Total) <= 0.44 lb/hr based on AP-42 emission factors. [N.J.A.C. 7:27-22.16(a)] | PM-2.5 (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | Other: Keep record of calculations.[N.J.A.C. 7:27-22.16(o)]. | None. |

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

**Emission Unit:** **U19 McCloskey Portable Screener**
**Operating Scenario:** **OS Summary**

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 1 | VOC (Total) <= 0.09 tons/yr based on AP-42 emission factors, based on the allowable hourly emission and 3000 hours per year. [N.J.A.C. 7:27-22.16(a)] | VOC (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | Other: Keep calculation records.[N.J.A.C. 7:27-22.16(o)]. | None. |
| 2 | NOx (Total) <= 2 tons/yr based on AP-42 emission factors, based on the allowable hourly emission and 3000 hours per year. [N.J.A.C. 7:27-22.16(a)] | NOx (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | Other: Keep calculation records.[N.J.A.C. 7:27-22.16(o)]. | None. |
| 3 | CO <= 0.53 tons/yr based on AP-42 emission factors, based on the allowable hourly emission and 3000 hours per year. [N.J.A.C. 7:27-22.16(a)] | CO: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | Other: Keep calculation records.[N.J.A.C. 7:27-22.16(o)]. | None. |
| 4 | TSP <= 1.9 tons/yr based on AP-42 emission factors, based on the allowable hourly emission and 3000 hours per year. [N.J.A.C. 7:27-22.16(a)] | TSP: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | Other: Keep calculation records.[N.J.A.C. 7:27-22.16(o)]. | None. |
| 5 | PM-10 (Total) <= 0.66 tons/yr based on AP-42 emission factors, based on the allowable hourly emission and 3000 hours per year. [N.J.A.C. 7:27-22.16(a)] | PM-10 (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | Other: Keep calculation records.[N.J.A.C. 7:27-22.16(o)]. | None. |
| 6 | PM-2.5 (Total) <= 0.66 tons/yr based on AP-42 emission factors, based on the allowable hourly emission and 3000 hours per year. [N.J.A.C. 7:27-22.16(a)] | PM-2.5 (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | Other: Keep calculation records.[N.J.A.C. 7:27-22.16(o)]. | None. |
| 7 | Hours of Operation <= 3,000 hr/yr in any 12-consecutive month period. [N.J.A.C. 7:27-22.16(a)] | Hours of Operation: Monitored by hour/time monitor continuously, based on a consecutive 12 month period (rolling 1 month basis). Monitor hours of operation by a non-resettable hour meter. [N.J.A.C. 7:27-22.16(o)] | Other: Keep records of cumulative operating hours monthly. Record the difference between the cumulative hours for the month and the cumulative hours for the month 12 months before.[N.J.A.C. 7:27-22.16(o)]. | None. |

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

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 8 | No Visible Emissions, exclusive of condensed water vapor, except for no more than 3 minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-22.16(a)] | Monitored by visual determination each month during operation. Conduct visual opacity inspections during daylight hours to identify if the processing equipment has visible emissions, other than condensed water vapor. [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. Record and retain the following:<br>(1) Date and time of inspection;<br>(2) Operational status of equipment:<br>(3) Observed results and conclusions:<br>(4) Description of corrective action taken if needed;<br>(5) Date and time opacity problem was solved, if applicable; and<br>(6) Name of person(s) conducting inspection. [N.J.A.C. 7:27-22.16(o)] | Other (provide description): Upon occurrence of event If visible emissions are observed, verify the equipment and/or control device causing visible emissions is operating according to manufacturer's specifications. The visible emissions must be eliminated or the equipment shall be shut down until the problem is identified and corrective action taken. [N.J.A.C. 7:27-22.16(o)] |
| 9 | Water spray equipment shall be operated for dust management purposes on significant equipment at points where dry aggregate creates visible dust emissions. If the water flow from the spray equipment ceases and is needed; crushing, screening, and conveying shall also cease until water is supplied for proper dust management. [N.J.A.C. 7:27-22.16(a)] | Monitored by visual determination continuously while operating the equipment. [N.J.A.C. 7:27-22.16(o)] | Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The records shall show that all the necessary water spray equipment was inspected and needed repairs have been done. Also record each occurrence of a malfunction. [N.J.A.C. 7:27-22.16(o)] | None. |

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

**Emission Unit:** **U19 McCloskey Portable Screener**
**Operating Scenario:** **OS1 E52 Portable Screener**

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 1 | VOC (Total) <= 0.09 lb/hr based on AP-42 emission factors. [N.J.A.C. 7:27-22.16(a)] | VOC (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | Other: Keep record of calculations.[N.J.A.C. 7:27-22.16(o)]. | None. |
| 2 | NOx (Total) <= 1.29 lb/hr based on AP-42 emission factors. [N.J.A.C. 7:27-22.16(a)] | NOx (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | Other: Keep record of calculations.[N.J.A.C. 7:27-22.16(o)]. | None. |
| 3 | CO <= 0.35 lb/hr based on AP-42 emission factors. [N.J.A.C. 7:27-22.16(a)] | CO: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | Other: Keep record of calculations.[N.J.A.C. 7:27-22.16(o)]. | None. |
| 4 | TSP <= 1.25 lb/hr based on AP-42 emission factors. [N.J.A.C. 7:27-22.16(a)] | TSP: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | Other: Keep record of calculations.[N.J.A.C. 7:27-22.16(o)]. | None. |
| 5 | PM-10 (Total) <= 0.44 lb/hr based on AP-42 emission factors. [N.J.A.C. 7:27-22.16(a)] | PM-10 (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | Other: Keep record of calculations.[N.J.A.C. 7:27-22.16(o)]. | None. |
| 6 | PM-2.5 (Total) <= 0.44 lb/hr based on AP-42 emission factors. [N.J.A.C. 7:27-22.16(a)] | PM-2.5 (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | Other: Keep record of calculations.[N.J.A.C. 7:27-22.16(o)]. | None. |

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

**Emission Unit:** **U20 Baler1**
**Operating Scenario:** **OS Summary**

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 1 | Air contaminant emissions are less than the reporting threshold based on AP-42 emission factors. [N.J.A.C. 7:27-22.16(a)] | Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | Other: Keep calculation records.[N.J.A.C. 7:27-22.16(o)]. | None. |
| 2 | Hours of Operation <= 8,760 hr/yr. [N.J.A.C. 7:27-22.16(a)] | None. | None. | None. |
| 3 | Total Production Rate <= 30,000 lb/hr. [N.J.A.C. 7:27-22.16(a)] | Total Production Rate: Monitored by material feed/flow monitoring each hour during operation. [N.J.A.C. 7:27-22.16(o)] | Total Production Rate: Recordkeeping by data acquisition system (DAS) / electronic data storage each hour during operation. [N.J.A.C. 7:27-22.16(o)] | None. |

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

**Emission Unit:** **U21 Baler2**
**Operating Scenario:** **OS Summary**

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 1 | Air contaminant emissions are less than the reporting threshold based on AP-42 emission factors. [N.J.A.C. 7:27-22.16(a)] | Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | Other: Keep calculation records.[N.J.A.C. 7:27-22.16(o)]. | None. |
| 2 | Hours of Operation <= 8,760 hr/yr. [N.J.A.C. 7:27-22.16(a)] | None. | None. | None. |
| 3 | Total Production Rate <= 15 tons/hr. [N.J.A.C. 7:27-22.16(a)] | Total Production Rate: Monitored by material feed/flow monitoring each hour during operation. [N.J.A.C. 7:27-22.16(o)] | Total Production Rate: Recordkeeping by data acquisition system (DAS) / electronic data storage each hour during operation. [N.J.A.C. 7:27-22.16(o)] | None. |

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

**Emission Unit:** **U22 Sorting Line**
**Operating Scenario:** **OS Summary**

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 1 | Air contaminant emissions are less than the reporting threshold based on AP-42 emission factors. [N.J.A.C. 7:27-22.16(a)] | Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | Other: Keep calculation records.[N.J.A.C. 7:27-22.16(o)]. | None. |
| 2 | Hours of Operation <= 8,760 hr/yr. [N.J.A.C. 7:27-22.16(a)] | None. | None. | None. |
| 3 | Total Production Rate <= 15 tons/hr. [N.J.A.C. 7:27-22.16(a)] | Total Production Rate: Monitored by material feed/flow monitoring each hour during operation. [N.J.A.C. 7:27-22.16(o)] | Total Production Rate: Recordkeeping by data acquisition system (DAS) / electronic data storage each hour during operation. [N.J.A.C. 7:27-22.16(o)] | None. |

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

**Emission Unit:** **U25 LTTD rotary kiln**
**Operating Scenario:** **OS Summary**

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

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 1 | STACK TESTING SUMMARY:<br>The permittee shall conduct a stack test no later than every five years (see General Provisions) from the completion date of the initial stack test using an approved protocol to demonstrate compliance with emission limits for VOC, NOx, CO, SO2, TSP, PM-10, THC and Mercury as specified in the compliance plan for OS2, and for VOC, NOx, SO2, TSP, PM-10, mercury, acenaphthalene, benzo(a)anthracene, chrysene, dibenz(a,h)anthracene, fluoranthene, fluorene, indeno(1,2,3,-c,-d)pyrene, phenanthrene, and pyrene as specified in the compliance plan for OS3.<br><br>Testing must be conducted at worst-case permitted operating conditions with regard to meeting the applicable emission standards, but without creating an unsafe condition.<br><br>The permittee may propose, in the stack test protocol, to use CEMS data to satisfy the stack testing requirements, for O2 and/or CO, with EMS approval. In order for EMS to approve using CEMS data at the time of the stack test, the CEMS must be certified and be in compliance with all daily, quarterly and annual quality assurance requirements. The CEMS shall monitor and record emissions in units identical to those required by the applicable stack testing conditions of this permit. CEMS data, if allowed by this permit, shall be taken at the same worst case conditions as described above.<br>[N.J.A.C. 7:27-22.16(a)] | Other: Monitoring as required under the applicable operating scenario(s). [N.J.A.C. 7:27-22.16(o)]. | Other: Recordkeeping as required under the applicable operating scenario(s). [N.J.A.C. 7:27-22.16(o)]. | Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. Submit a stack test protocol to the Emission Measurement Section (EMS) at Mail Code: 09-01, PO Box 420, Trenton, NJ 08625 no later than 12 months prior to the completion of the five year period since the last stack test.<br><br>The protocol and test report must be prepared and submitted on a CD using the Electronic Reporting Tool (ERT), unless another format is approved by EMS. The ERT program can be downloaded at: http://www.epa.gov/chief. Within 30 days of protocol approval or no less than 60 days prior to the testing deadline, whichever is later, the permittee must contact EMS at 609-984-3443 to schedule a mutually acceptable test date.<br><br>A full stack test report must be submitted to EMS and a certified summary test report must be submitted to the Regional Enforcement Office within 45 days after performing the stack test pursuant to N.J.A.C. 7:27-22.19(d). The test results must be certified by a licensed professional engineer or certified industrial hygienist. [N.J.A.C. 7:27-22.18(e)] and<br>. [N.J.A.C. 7:27-22.18(h)] |

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

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 2 | The permittee shall submit a stack test protocol to the Department for review and approval. The testing shall be conducted while processing petroleum contaminated soil at a minimum Thermal Oxidizer (TO) temperature of 1500 F, and soil contaminated with coal tars at a minimum Thermal Oxidizer (TO) temperature of 1720 F.<br><br>The procedures and frequency for sampling and analyzing the petroleum contaminated soil for Lead, Arsenic, Mercury, and total petroleum contents shall be incorporated into the stack test protocol. The method for determining the maximum Lead, Arsenic, and Mercury feed rate shall also be included. The format for comparing the feed rates of lead, arsenic, and mercury to the stack emission rates shall also be included.<br><br>The permittee shall conduct two sets of stack tests: one while processing petroleum contaminated soil and the other with coal tar contaminated soil in accordance with the approved protocol from EMS. [N.J.A.C. 7:27-22.16(e)] | Monitored by stack emission testing prior to permit expiration date. [N.J.A.C. 7:27-22.16(o)] | Recordkeeping by stack test results prior to permit expiration date. [N.J.A.C. 7:27-22.16(o)] | Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. [N.J.A.C. 7:27-22.16(o)] |
| 3 | VOC (Total) <= 4.86 tons/yr. [N.J.A.C. 7:27-22.16(e)] | None. | None. | None. |
| 4 | NOx (Total) <= 19.64 tons/yr. [N.J.A.C. 7:27-22.16(e)] | None. | None. | None. |
| 5 | CO <= 13.44 tons/yr. [N.J.A.C. 7:27-22.16(e)] | None. | None. | None. |
| 6 | SO2 <= 31.32 tons/yr. [N.J.A.C. 7:27-22.16(e)] | None. | None. | None. |
| 7 | TSP <= 14 tons/yr. [N.J.A.C. 7:27-22.16(e)] | None. | None. | None. |
| 8 | PM-10 (Total) <= 14 tons/yr. [N.J.A.C. 7:27-22.16(e)] | None. | None. | None. |
| 9 | PM-2.5 (Total) <= 14 tons/yr. [N.J.A.C. 7:27-22.16(a)] | None. | None. | None. |

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

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 10 | Benzene <= 0.572 tons/yr. [N.J.A.C. 7:27-22.16(e)] | None. | None. | None. |
| 11 | Ethylbenzene <= 0.266 tons/yr. [N.J.A.C. 7:27-22.16(e)] | None. | None. | None. |
| 12 | Toluene <= 0.484 tons/yr. [N.J.A.C. 7:27-22.16(e)] | None. | None. | None. |
| 13 | Mercury Emissions <= 0.0411 tons/yr. [N.J.A.C. 7:27-22.16(e)] | None. | None. | None. |
| 14 | Xylene <= 0.234 tons/yr. [N.J.A.C. 7:27-22.16(e)] | None. | None. | None. |
| 15 | Selenium Emissions <= 0.0292 tons/yr. [N.J.A.C. 7:27-22.16(e)] | None. | None. | None. |
| 16 | Acenaphthalene <= 0.3 tons per year. [N.J.A.C. 7:27-22.16(e)] | None. | None. | None. |
| 17 | Benzo(a)anthracene <= 0.01 tons per year. [N.J.A.C. 7:27-22.16(e)] | None. | None. | None. |
| 18 | Benzo(b)fluorene <= 0.01 tons per year. [N.J.A.C. 7:27-22.16(e)] | None. | None. | None. |
| 19 | Benzo(k)fluorene <= 0.01 tons per year. [N.J.A.C. 7:27-22.16(e)] | None. | None. | None. |
| 20 | Dibenz(a,h)anthracene <= 0.01 tons per year. [N.J.A.C. 7:27-22.16(e)] | None. | None. | None. |
| 21 | Chrysene <= 0.01 tons per year. [N.J.A.C. 7:27-22.16(e)] | None. | None. | None. |
| 22 | Fluoranthene <= 0.3 tons per year. [N.J.A.C. 7:27-22.16(e)] | None. | None. | None. |
| 23 | Fluorene <= 0.3 tons per year. [N.J.A.C. 7:27-22.16(e)] | None. | None. | None. |
| 24 | Indeno(1,2,3,-c,-d)pyrene <= 0.01 tons per year. [N.J.A.C. 7:27-22.16(e)] | None. | None. | None. |
| 25 | Phenanthrene <= 0.3 tons per year. [N.J.A.C. 7:27-22.16(e)] | None. | None. | None. |
| 26 | Pyrene <= 0.3 tons per year. [N.J.A.C. 7:27-22.16(e)] | None. | None. | None. |

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

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 27 | Hours of Operation <= 4,240 hr/yr for the LTTD system, while treating petroleum contaminated soil and coal tar/MGP contaminated soil. [N.J.A.C. 7:27-22.16(e)] | Hours of Operation: Monitored by hour/time monitor continuously, based on a consecutive 12 month period (rolling 1 month basis). The system shall be equipped with a non-resettable hour meter to ensure compliance. [N.J.A.C. 7:27-22.16(o)] | Hours of Operation: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. Keep reords of operating hours (the total hours for the month, and the total hours for the month plus the total hours for the previous eleven months). [N.J.A.C. 7:27-22.16(o)] | None. |
| 28 | No Visible Emissions, exclusive of condensed water vapor, except for no more than 3 minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-22.16(a)] | Monitored by visual determination each week during operation. Conduct visual opacity inspections during daylight hours to identify if the stack has visible emissions, other than condensed water vapor. Select an observation position enabling clear view of emission point(s), minimum 15 feet away without sunlight shining directly into the eyes. Observe for a minimum duration of 30 minutes. Clock observation with two stopwatches starting the 1st watch at the commencement of the 30-minute observation period and starting and stopping the 2nd watch every time visible emissions are first seen and when they cease, and record the observation. If visible emissions are observed for more than 3 minutes in the 30-consecutive minutes:<br>(1) Verify the equipment and/or control device causing visible emissions is operating according to manufacturer's specifications. If it is not operating properly, take corrective action immediately to eliminate the excess emissions. (2) If the opacity problem is not corrected within 24 hours, perform a check via a certified opacity reader, in accordance with N.J.A.C. 7:27B-2. Conduct such test each day until the opacity problem is successfully corrected. [N.J.A.C. 7:27-22.16(o)] | Recordkeeping by manual logging of parameter or storing data in a computer data system each week during operation. Record and retain the following:<br>(1) Date and time of inspection;<br>(2) Emission Point number;<br>(3) Operational status of equipment:<br>(4) Observed results and conclusions:<br>(5) Description of corrective action taken if needed;<br>(6) Date and time opacity problem was solved, if applicable;<br>(7) N.J.A.C. 7:27B-2 results if conducted; and<br>(8) Name of person(s) conducting inspection. [N.J.A.C. 7:27-22.16(o)] | None. |

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

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 29 | There shall be no fugitive emissions from the LTTD system, and its air pollution control system. If any fugitive emissions are seen, the feed to the rotary kiln shall cease immediately, and shall not resume until the cause of the emission has been corrected. [N.J.A.C. 7:27-22.16(e)] | Monitored by visual determination each hour during operation, based on an instantaneous determination. Plant personnel shall be instructed to notify the plant supervisor for any occurrence of fugitive emissions. [N.J.A.C. 7:27-22.16(o)] | Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. Any time fugitive emissions are seen; the location, date, time, time the feed ceased, the cause, and how the problem was corrected shall all be recorded. Records are to be kept for 5 years. [N.J.A.C. 7:27-22.16(o)] | None. |
| 30 | Prior to coal tar contaminated soils being processed in the LTTD, the concentration of all contaminants referenced here under the monitoring column shall be known:<br><br>Monitoring shall be consistent with one of the two following options:<br>1. The Remedial Action Workplan or Remedial Investigation , and its associated sampling and analytical results, approved by the Department, or<br>2. Sample and analyze every 500 cubic yards for total VOC, total petroleum hydrocarbons, total polychlorinated biphenyls, total polyaromatic hydrocarbons, and heavy metals (arsenic, beryllium, cadmium, chromium, lead, mercury, nickel). This sample shall be taken by compositing five discrete samples from 100 cubic yards.<br>3. Sample and analyze every 1000 cubic yards for sulfur. This sample shall be taken by compositing ten discrete samples from separate 100 cubic yard volumes. [N.J.A.C. 7:27-22.16(e)] | Monitored by the Department approved testing method per delivery or the following test methods:<br><br>1. Total Petroleum Hydrocarbons, USEPA Method 8015 or NJDEP's most recent method. It should be noted that NJDEP's EPH method is not applicable to gasoline contaminated soil.<br><br>2. Total polycyclic aromatic hydrocarbons (PAH) and individual PAH is determined by USEPA SW846 Method 8270.<br><br>3. Total polychlorinated biphenyls (PCB) as determined by USEPA SW846 Method 8082.<br><br>4. Total volatile organic compounds (VOC) and individual VOC as determined by USEPA SW846 Method 8260.<br><br>5. Aresnic, beryllium, cadmium, chromium, nickel, and lead by USEPA Method 6000 series.<br><br>6. Mercury USEPA method 7471.<br><br>7. Sulfur ASTM D4329, ASTM D129, ASTM D6439, USEPA Method 6010 or USEPA Method 6020. [N.J.A.C. 7:27-22.16(o)] | Recordkeeping by manual logging of parameter or storing data in a computer data system per delivery. Records are to be kept for 5 years. [N.J.A.C. 7:27-22.16(o)] | None. |

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

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 31 | The following information shall be recorded for each shipment of petroleum contaminated soil received by the permittee:<br>1. The substances that comprises the contamination<br>2. Volume of soil received<br>3. Source of the contamination<br>4. Contamination levels<br>5. Name and location of the generator<br>6. The areas of the generators property from where the soil was excavated<br>7. All test results from analysis conducted on the soil including those not specifically required by this permit and certificate.<br>[N.J.A.C. 7:27-22.16(e)] | None. | Recordkeeping by manual logging of parameter or storing data in a computer data system per delivery. Records are to be maintained on site for 5 years and made available to the Department upon request.<br>[N.J.A.C. 7:27-22.16(o)] | None. |

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

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 32 | Prior to the petroleum contaminated soil being delivered to the permittee for processing, it shall be sampled and analyzed for total petroleum hydrocarbons (TPH) volatile organic compounds (VOC), and the presence of free petroleum product.<br><br>Sampling shall be consistent with one of the two following options:<br>1. The Remedial Action Workplan or Remedial Investigation, and its associated sampling and analytical results, approved by the Department, or<br><br>2. Sampling collection shall be done as follows:<br>a. Every 400 cubic yards (CY) of contaminated soil from each generator shall be sampled and analyzed for TPH in the following manner:<br>i. A representative sample from every 80 CY of contaminated soil shall be taken and these five samples shall be composited and analyzed.<br>ii. When the volume of soil is less than 400 CY, a representative sample of every 80 CY, or fraction thereof, shall be taken and these samples shall be composited and analyzed.<br>b. Every 800 CY of contaminated soil shall be sampled and analyzed for VOC, arsenic, cadmium, chromium, lead, mercury, nickel, and free petroleum product in the following manner:<br>i. A representative sample from every 100 CY of contaminated soil shall be taken and these samples shall be composited and analyzed.<br>ii. When the volume of soil is less than 800 CY, a representative sample of every 100 CY, or fraction thereof, shall be taken and these samples shall be composited and analyzed. [N.J.A.C. 7:27-22.16(a)] | Monitored by grab sampling at the approved frequency. The sampling procedure (USEPA Method 8015 or NJDEP's EPH method) shall be used to analyze the soils for total petroleum hydrocarbon content. It should be noted that the NJDEP's EPH method method is not applicable to gasoline contaminated soils. [N.J.A.C. 7:27-22.16(o)] | Recordkeeping by manual logging of parameter or storing data in a computer data system per delivery. Records shall be maintained on-site for 5 years and made available to the Department upon request. [N.J.A.C. 7:27-22.16(o)] | None. |

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

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 33 | No hazardous waste as defined by N.J.A.C. 7:26G-5 shall be processed in the LTTD. [N.J.A.C. 7:27-22.16(e)] | Other: Monitored by product sampling per delivery. Each delivery is sampled as per the prior applicable requirements specified in this section.[N.J.A.C. 7:27-22.16(o)]. | Recordkeeping by manual logging of parameter or storing data in a computer data system per delivery. Extensive sampling, and recordkeeping is required by prior applicable requirements of this approval. [N.J.A.C. 7:27-22.16(o)] | None. |
| 34 | Residential projects involving petroleum contaminated soils in the amount of 21 cubic yards (30 tons) or less, a TPH analysis completed using USEPA Method 8015 or NJDEP EPH method (it should be noted that NJDEP Method EPH is not applicable to gasoline contaminated soils), along with a Home Owners Certification signed by either the home owner or the contractor representing the homeowner. A Residential project is defined as soils stemming from any of the following:<br>a. A one or two family dwelling<br>b. An apartment or housing unit consisting of up to six units, one of which is occupied by the owner. [N.J.A.C. 7:27-22.16(a)] | Monitored by grab sampling per delivery , or based upon the Homeowners Certification. [N.J.A.C. 7:27-22.16(o)] | Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. Records are to be kept for 5 years. [N.J.A.C. 7:27-22.16(o)] | None. |

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

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 35 | The permittee will implement Best Management Practices for dust control. A Department approved Dust Management Plan shall address all permit requirements related to dust fugitive emissions and:<br>1. procedures for visual inspections of material handling and process equipment<br>2. Dust Management procedures<br>3. Corrective actions<br>4. a checklist of sources and areas to be checked daily for visible emissions and accumulation of dusty materials in areas to be checked daily for visible emissions and accumulations of dusty materials in open areas (other than storage piles).<br><br>The personnel involved in the implementation of the Dust Management Plan must be trained on the contents of the plan. The personnel must be provided with the checklist of all items to be inspected, inspection procedures, and corrective actions for expected malfunctions. The Plan will be kept on site, current and made available to Department personnel upon request. The personnel shall follow the Plan regarding visual inspections of material handling and process equipment, dust management procedures, and corrective actions when visible emissions or accumulation of dusty materials are observed. If the permittee fails to follow the Dust Management Plan, this will be a violation of this permit. [N.J.A.C. 7:27-22.16(e)] | Other: Follow the procedures on the checklist daily.[N.J.A.C. 7:27-22.16(o)]. | Recordkeeping by manual logging of parameter or storing data in a computer data system once per calendar day during operation. The parameters recorded shall include the completed inspection checklist, and corrective actions taken if any. The checklist shall include the date, time, name, and position of the person completing the checklist and be signed by that person. [N.J.A.C. 7:27-22.16(o)] | Other (provide description): Upon occurrence of event If the NJDEP cites a violation for visible emissions and determines that the Dust Management Plan is inadequate for prevention and response to visible emissions, the permittee shall revise the appropriate portions of the Dust Management Plan that deal with the area(s) of the facility where the violation occured within 7 days of the date of the citation. Within 7 calendar days of the citation, the Dust Management Plan revisions shall be implemented and submitted to the Department for review and approval. The Department may modify the Dust Management Plan, and the modifications shall be implemented by the permittee within 7 days of the NJDEPs notification. In addition, the Dust Management Plan shall be submitted to the Central Regional Enforcement Office for review and approval. [N.J.A.C. 7:27-22.16(o)] |

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

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 36 | In the event of an excursion from the operating requirements listed in this compliance plan or any part of the Thermal Desorption System, or air pollution control system, feed to the LTTD rotary kiln inlet shall cease immediately. Resumption of the feed shall not begin until the cause of the excursion has been identified and corrected. [N.J.A.C. 7:27-22.16(e)] | Monitored by visual determination once per shift during operation. [N.J.A.C. 7:27-22.16(o)] | Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. [N.J.A.C. 7:27-22.16(o)] | Submit a report: Upon occurrence of event. The Central Regional Enforcement Office shall be notified if the cause of the excursion is not corrected within 24 hours. [N.J.A.C. 7:27-22.16(o)] |
| 37 | CO <= 100 ppmvd corrected to 7% O2 concentration in the flue gas for CD9. [N.J.A.C. 7:27-22.16(e)] | CO: Monitored by continuous emission monitoring system continuously. The permittee shall install, calibrate, and maintain the monitors in accordance with the manufacturer's specifications. The monitors shall be ranged such that the allowable value is approximately mid-scale of the full range current/voltage output. [N.J.A.C. 7:27-22.16(o)] | CO: Recordkeeping by data acquisition system (DAS) / electronic data storage continuously. [N.J.A.C. 7:27-22.16(o)] | Submit an Excess Emissions and Monitoring Systems Performance Report (EEMPR): Every quarter (three months) beginning on the first of the month of the first full quarter following the effective date of the approved permit. Quarters shall begin on January 1, April 1, July 1, and October 1 of each year electronically through the NJDEP online EEMPR web portal for review and approval. [N.J.A.C. 7:27-22.16(o)] |
| 38 | Temperature >= 1,500 degrees F at the outlet of the thermal oxidizer when processing petroleum contaminated soils for CD9. [N.J.A.C. 7:27-22.16(a)] | Temperature: Monitored by temperature instrument continuously. The permittee shall install, calibrate, and maintain the monitors in accordance with the manufacturer's specifications. The monitors shall be ranged such that the allowable value is approximately mid-scale of the full range current/voltage output. [N.J.A.C. 7:27-22.16(o)] | Temperature: Recordkeeping by data acquisition system (DAS) / electronic data storage continuously. [N.J.A.C. 7:27-22.16(o)] | None. |
| 39 | Temperature >= 1,720 degrees F at the outlet of the thermal oxidizer when processing soils contaminated with PAHs/Coal tars/MGP in the LTTD for CD9. [N.J.A.C. 7:27-22.16(e)] | Temperature: Monitored by temperature instrument continuously. The permittee shall install, calibrate, and maintain the monitors in accordance with the manufacturer's specifications. The monitors shall be ranged such that the allowable value is approximately mid-scale of the full range current/voltage output. [N.J.A.C. 7:27-22.16(o)] | Temperature: Recordkeeping by data acquisition system (DAS) / electronic data storage continuously. [N.J.A.C. 7:27-22.16(o)] | None. |

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

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 40 | Temperature >= 250 and Temperature <= 450 degrees F for CD10 (at outlet). [N.J.A.C. 7:27-22.16(a)] | Temperature: Monitored by continuous emission monitoring system continuously, based on a 1 hour block average. The permittee shall install, calibrate, and maintain the monitors in accordance with the manufacturer's specifications. The monitors shall be ranged such that the allowable value is approximately mid-scale of the full range current/voltage output. [N.J.A.C. 7:27-22.16(o)] | Temperature: Recordkeeping by data acquisition system (DAS) / electronic data storage continuously. Maintain records for 5 years. [N.J.A.C. 7:27-22.16(o)] | None. |
| 41 | VOC Control Efficiency >= 99.8 % for CD9. The afterburner shall operate at a minimum control efficiency of no less than 99.8% or less than 50 ppmvd as methane @ 7% O2 for VOC when processing petroleum contaminated soils and no less than 99.985% or less than 25 ppmvd as methane @ 7% O2 for polycyclic aromatic hydrocarbons when processing coal tar contaminated soils. [N.J.A.C. 7:27-22.16(e)] | VOC Control Efficiency: Monitored by stack emission testing once initially and prior to permit expiration date. [N.J.A.C. 7:27-22.16(o)] | VOC Control Efficiency: Recordkeeping by stack test results once initially and prior to permit expiration date. [N.J.A.C. 7:27-22.16(o)] | Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. [N.J.A.C. 7:27-22.16(o)] |
| 42 | Residence Time >= 1 seconds for CD9. The flue gases in the afterburner shall have a minimum residence time of 1.0 seconds at 1500 degrees F. [N.J.A.C. 7:27-22.16(e)] | Residence Time: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)] | Other: Intial calculations provided along with the Preconstruction Permit approval.[N.J.A.C. 7:27-22.16(o)]. | None. |
| 43 | The oxygen concentration at the exit of the afterburner shall not be less than three percent by volume for CD9. Oxygen >= 3 % by volume. [N.J.A.C. 7:27-22.16(e)] | Oxygen: Monitored by continuous emission monitoring system continuously, based on a 1 hour rolling average (rolling 1 minute basis). [N.J.A.C. 7:27-22.16(o)] | Oxygen: Recordkeeping by data acquisition system (DAS) / electronic data storage continuously Maintain records on site for 5 years. [N.J.A.C. 7:27-22.16(o)] | Submit an Excess Emissions and Monitoring Systems Performance Report (EEMPR): Every quarter (three months) beginning on the first of the month of the first full quarter following the effective date of the approved permit. Quarters shall begin on January 1, April 1, July 1, and October 1 of each year electronically through the NJDEP online EEMPR web portal for review and approval. [N.J.A.C. 7:27-22.16(o)] |
| 44 | Natural Gas Usage: Only natural gas shall be used as the auxillary fuel in the CD9 thermal oxidizer. [N.J.A.C. 7:27-22.16(e)] | None. | None. | None. |

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

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 45 | Differential Pressure >= 1 and Differential Pressure <= 8 inches w.c. for CD10. [N.J.A.C. 7:27-22.16(e)] | Differential Pressure: Monitored by pressure measurement device continuously, based on a 1 hour block average. The permittee shall install, calibrate, and maintain the monitors in accordance with the manufacturer's specifications. The monitors shall be ranged such that the allowable value is approximately mid-scale of the full range current/voltage output. [N.J.A.C. 7:27-22.16(o)] | Differential Pressure: Recordkeeping by data acquisition system (DAS) / electronic data storage continuously. Maintain records for 5 years. [N.J.A.C. 7:27-22.16(o)] | None. |
| 46 | The owner or operator shall develop a QA/QC plan for each CEMS required by this permit prepared in accordance with the NJDEP Technical Manual 1005 posted on the BOSS webpage at https://dep.nj.gov/boss/. [N.J.A.C. 7:27-22.16(a)] | Other: The QA/QC coordinator shall be responsible for reviewing the QA/QC plan on an annual basis. [N.J.A.C. 7:27-22.16(o)]. | Other: Maintain readily accessible records of the QA/QC plan including QA data and quarterly reports. [N.J.A.C. 7:27-22.16(o)]. | None. |
| 47 | CEMS REQUIREMENTS SUMMARY Operate Continuous Monitoring Systems (CEMS) in accordance with the NJDEP Technical Manual 1005, to demonstrate compliance as specified in the compliance plan for OS2 and OS3.<br><br>Continuous parametric monitors and continuous parametric data recorders shall be installed and operated to demonstrate compliance with monitoring parameters, for example, flue gas flow rate, temperature, etc. as specified in the compliance plan. [N.J.A.C. 7:27-22.16(a)] | Other: Monitoring as required under the applicable operating scenario(s). [N.J.A.C. 7:27-22.16(o)]. | Other: Recordkeeping as required under the applicable operating scenario(s). [N.J.A.C. 7:27-22.16(o)]. | None. |

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

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 48 | The Permittee shall request approval from the Department's Emission Measurement Section (EMS) to allow continued use of the existing CEMS when a change to the units of measurement is made to a permit limit. [N.J.A.C. 7:27-22.16(a)] | None. | Other: Maintain readily accessible records of the Permittee's written request to EMS, and the response from EMS . [N.J.A.C. 7:27-22.16(o)]. | Comply with the requirement: Upon occurrence of event submit a written request to the EMS within 30 days from the date of the approved operating permit to determine whether a full CEMS recertification is required, whether the change can follow the procedures for data recording and storage equipment upgrades found in the Department's Technical Manual 1005 Section IV.B.3(f), or if continued use of the existing CEMS is allowed. [N.J.A.C. 7:27-22] |

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

**Emission Unit:** **U25 LTTD rotary kiln**
**Operating Scenario:** **OS1 LTTD rotary kiln - startup, shutdown and idle**

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 1 | Start-up Period <= 160 hr/yr. During any start-up period, no contaminated soils shall be introduced to the LTTD rotary kiln and only natural gas shall be combusted.<br><br>Start-up is defined as "the duration in time beginning from the initial ignition of the thermal oxidizer and start of other control devices and ending upon the thermal oxidizer operating at the permitted temperature and the controls operated within their permitted limits prior to introducing contaminated soil to the Rotary Kiln". [N.J.A.C. 7:27-22.16(a)] | Start-up Period: Monitored by hour/time monitor upon occurrence of event. [N.J.A.C. 7:27-22.16(o)] | Start-up Period: Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The records shall include:<br>1. The date<br>2. The begin and ending times<br>3. Confirmation that no contaminated soils are introduced into the LTTD rotary kiln. [N.J.A.C. 7:27-22.16(o)] | None. |
| 2 | Shutdown Period <= 80 hr/yr. During any shutdown period, there shall be no contaminated soil in LTTD and only natural gas shall be used as the auxiliary fuel.<br><br>Shut-down period is defined as "the duration of time beginning after soil processing has ceased within the Rotary Kiln and ending upon cessation of fuel to the thermal oxidizer and shutdown of the other controls". [N.J.A.C. 7:27-21.16(a)] | Shutdown Period: Monitored by hour/time monitor upon occurrence of event. [N.J.A.C. 7:27-22.16(o)] | Shutdown Period: Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The records shall include:<br>1. The date<br>2. The begin and end time<br>3. Confirmation that no contaminated soils are introduced into the LTTD rotary kiln. [N.J.A.C. 7:27-21.16(o)] | None. |
| 3 | TSP <= 2.6 lb/hr. [N.J.A.C. 7:27-21.16(e)] | None. | None. | None. |
| 4 | PM-10 (Total) <= 2.6 lb/hr. [N.J.A.C. 7:27-22.16(e)] | None. | None. | None. |
| 5 | PM-2.5 (Total) <= 2.6 lb/hr. [N.J.A.C. 7:27-22.16(a)] | None. | None. | None. |
| 6 | NOx (Total) <= 5 lb/hr. [N.J.A.C. 7:27-22.16(e)] | None. | None. | None. |
| 7 | SO2 <= 2.66 lb/hr. [N.J.A.C. 7:27-22.16(e)] | None. | None. | None. |
| 8 | CO <= 12 lb/hr. [N.J.A.C. 7:27-22.16(e)] | None. | None. | None. |

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

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 9 | CO <= 200 ppmvd @ 7% O2. [N.J.A.C. 7:27-22.16(e)] | None. | None. | None. |

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

**Emission Unit:** **U25 LTTD rotary kiln**
**Operating Scenario:** **OS2 LTTD rotary kiln - normal steady state with petroleum contaminated soils**

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 1 | Total Throughput <= 50 tons/hr. The mass feed rate of soil charged to LTTD shall not exceed 50 tons per hour. [N.J.A.C. 7:27-22.16(a)] | Total Throughput: Monitored by material feed/flow monitoring each hour during operation, based on a 1 hour block average. [N.J.A.C. 7:27-22.16(o)] | Total Throughput: Recordkeeping by data acquisition system (DAS) / electronic data storage each hour during operation. [N.J.A.C. 7:27-22.16(o)] | None. |
| 2 | The maximum allowable feedrate (MAFR) in pounds per hour to the LTTD rotary kiln of the following heavy metals shall not exceed the limits specified below:<br><br>Heavy Metal MAFR Limit<br><br>THC 2000<br>Arsenic 2<br>Beryllium 0.2<br>Cadmium 10<br>Chromium 24<br>Lead 60<br>Mercury 0.085<br>Nickel 240 [N.J.A.C. 7:27-22.16(a)] | Monitored by material feed/flow monitoring each hour during operation, based on a 1 hour block average . [N.J.A.C. 7:27-22.16(o)] | Recordkeeping by data acquisition system (DAS) / electronic data storage each hour during operation. [N.J.A.C. 7:27-22.16(o)] | None. |
| 3 | VOC (Total) <= 1.49 lb/hr. [N.J.A.C. 7:27-22.16(a)] | VOC (Total): Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)] | VOC (Total): Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). [N.J.A.C. 7:27-22.16(o)] | Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. [N.J.A.C. 7:27-22.16(o)] |
| 4 | NOx (Total) <= 9.52 lb/hr. [N.J.A.C. 7:27-22.16(a)] | NOx (Total): Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)] | NOx (Total): Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). [N.J.A.C. 7:27-22.16(o)] | Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. [N.J.A.C. 7:27-22.16(o)] |
| 5 | CO <= 6 lb/hr. [N.J.A.C. 7:27-22.16(a)] | CO: Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)] | CO: Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). [N.J.A.C. 7:27-22.16(o)] | Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. [N.J.A.C. 7:27-22.16(o)] |

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

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 6 | SO2 <= 5.54 lb/hr. [N.J.A.C. 7:27-22.16(a)] | SO2: Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)] | SO2: Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). [N.J.A.C. 7:27-22.16(o)] | Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. [N.J.A.C. 7:27-22.16(o)] |
| 7 | TSP <= 4.2 lb/hr. [N.J.A.C. 7:27-22.16(a)] | TSP: Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)] | TSP: Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). [N.J.A.C. 7:27-21.16(o)] | Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. [N.J.A.C. 7:27-22.16(o)] |
| 8 | PM-10 (Total) <= 4.2 lb/hr. [N.J.A.C. 7:27-22.16(a)] | PM-10 (Total): Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)] | PM-10 (Total): Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). [N.J.A.C. 7:27-22.16(o)] | Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. [N.J.A.C. 7:27-22.16(o)] |
| 9 | PM-2.5 (Total) <= 4.2 lb/hr. [N.J.A.C. 7:27-22.16(a)] | PM-2.5 (Total): Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)] | PM-2.5 (Total): Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). [N.J.A.C. 7:27-22.16(o)] | Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. [N.J.A.C. 7:27-22.16(o)] |
| 10 | Total Non-Methane Hydrocarbons <= 50 ppmvd @ 7% O2. [N.J.A.C. 7:27-22.16(e)] | Total Non-Methane Hydrocarbons: Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)] | Total Non-Methane Hydrocarbons: Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). [N.J.A.C. 7:27-22.16(o)] | Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule (See U25, OS Summary, Stack Testing Requirements for details). [N.J.A.C. 7:27-22.16(o)] |
| 11 | Mercury Emissions <= 0.0158 lb/hr. [N.J.A.C. 7:27-22.16(a)] | Mercury Emissions: Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)] | Mercury Emissions: Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). [N.J.A.C. 7:27-22.16(o)] | Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. [N.J.A.C. 7:27-22.16(o)] |

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

**Emission Unit:** **U25 LTTD rotary kiln**
**Operating Scenario:** **OS3 LTTD rotary kiln - normal steady state with coal tar/MGP soil**

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 1 | Total Throughput <= 50 tons/hr for soil contaminated with PAH/coal tar contaminted/MGP soil. [N.J.A.C. 7:27-22.16(a)] | Total Throughput: Monitored by material feed/flow monitoring each hour during operation, based on a 1 hour block average. [N.J.A.C. 7:27-21.16(o)] | Total Throughput: Recordkeeping by data acquisition system (DAS) / electronic data storage each hour during operation. [N.J.A.C. 7:27-22.16(o)] | None. |
| 2 | Total Throughput: The maximum Allowable Feed Rate (MAFR) to the LTTD rotary kiln of the following total hydrocarbon and polycyclic aromatic hydrocarbons shall not exceed the pound per hour limits specified below:<br><br>Contaminant MAFR Limit<br><br>THC 2000<br>Acenaphthene 500<br>Acenaphthalyene 500<br>Anthracene 500<br>Benzo(a)anthracene 20<br>Benzo(a)pyrene 20<br>Benzo(b)fluoranthene 20<br>Benzo(k)fluoranthene 20<br>Benzo(g,h,i)perylene 500<br>Chrysene 20<br>Dibenzo(a,h)anthracene 20<br>Fluoranthene 500<br>Fluorene 500<br>Indeno(1,2,3 - cd)pyrene 20<br>Naphthalene 500<br>Phenanthrene 500<br>Pyrene 500<br>[N.J.A.C. 7:27-22.16(e)] | Total Throughput: Monitored by material feed/flow monitoring each hour during operation, based on a 1 hour block average. [N.J.A.C. 7:27-22.16(o)] | Total Throughput: Recordkeeping by data acquisition system (DAS) / electronic data storage each hour during operation. [N.J.A.C. 7:27-22.16(o)] | None. |

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

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 3 | Total Throughput: The Maximum Allowable Feedrate (MAFR) in pounds per hour to the LTTD of the following heavy metals shall not exceed the limits specified below:<br><br>Contaminant MAFR Limits<br><br>Arsenic 2<br>Beryllium 0.2<br>Cadmium 10<br>Chromium 24<br>Lead 60<br>Mercury 0.085<br>Nickel 240 [N.J.A.C. 7:27-22.16(e)] | Total Throughput: Monitored by calculations each hour during operation, based on a 1 hour block average . [N.J.A.C. 7:27-22.16(o)] | Total Throughput: Recordkeeping by data acquisition system (DAS) / electronic data storage each hour during operation. [N.J.A.C. 7:27-22.16(o)] | None. |
| 4 | VOC (Total) <= 0.3 lb/hr. [N.J.A.C. 7:27-22.16(a)] | VOC (Total): Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)] | VOC (Total): Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). [N.J.A.C. 7:27-22.16(o)] | Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. [N.J.A.C. 7:27-22.16(o)] |
| 5 | NOx (Total) <= 9.52 lb/hr. [N.J.A.C. 7:27-22.16(a)] | NOx (Total): Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)] | NOx (Total): Recordkeeping by stack test results daily. [N.J.A.C. 7:27-22.16(o)] | Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. [N.J.A.C. 7:27-22.16(o)] |
| 6 | CO <= 6 lb/hr. [N.J.A.C. 7:27-22.16(a)] | CO: Monitored by continuous emission monitoring system continuously, based on a 3 hour rolling average based on a 1 hour block average. In addition, when carbon monoxide CEM records greater than 50 ppmv @ 7% O2 in any 60 minute period, the carbon monoxide emission rate shall be calculated. [N.J.A.C. 7:27-22.16(o)] | CO: Recordkeeping by manual logging of parameter or storing data in a computer data system continuously. [N.J.A.C. 7:27-22.16(o)] | Submit an Excess Emissions and Monitoring Systems Performance Report (EEMPR): Every quarter (three months) beginning on the first of the month of the first full quarter following the effective date of the approved permit. Quarters shall begin on January 1, April 1, July 1, and October 1 of each year electronically through the NJDEP online EEMPR web portal for review and approval. [N.J.A.C. 7:27-22.16(o)] |
| 7 | SO2 <= 15.5 lb/hr. [N.J.A.C. 7:27-22.16(a)] | SO2: Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)] | SO2: Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). [N.J.A.C. 7:27-22.16(o)] | Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. [N.J.A.C. 7:27-22.16(o)] |

U25 LTTD rotary kiln
OS3

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

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 8 | TSP <= 9.5 lb/hr. [N.J.A.C. 7:27-22.16(a)] | TSP: Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)] | TSP: Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). [N.J.A.C. 7:27-22.16(o)] | Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. [N.J.A.C. 7:27-22.16(o)] |
| 9 | PM-10 (Total) <= 9.5 lb/hr. [N.J.A.C. 7:27-22.16(a)] | PM-10 (Total): Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)] | PM-10 (Total): Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). [N.J.A.C. 7:27-22.16(o)] | Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. [N.J.A.C. 7:27-22.16(o)] |
| 10 | PM-2.5 (Total) <= 9.5 lb/hr. [N.J.A.C. 7:27-22.16(a)] | PM-2.5 (Total): Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)] | PM-2.5 (Total): Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). [N.J.A.C. 7:27-22.16(o)] | Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. [N.J.A.C. 7:27-22.16(o)] |
| 11 | Acenaphthene <= 0.075 lb/hr. [N.J.A.C. 7:27-22.16(a)] | Acenaphthene: Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)] | Acenaphthene: Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). [N.J.A.C. 7:27-22.16(o)] | Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. [N.J.A.C. 7:27-22.16(o)] |
| 12 | Benzo(a)anthracene <= 0.075 lb/hr. [N.J.A.C. 7:27-22.16(a)] | Benzo(a)anthracene: Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)] | Benzo(a)anthracene: Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). [N.J.A.C. 7:27-22.16(o)] | Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. [N.J.A.C. 7:27-21.16(o)] |
| 13 | Chrysene <= 0.003 lb/hr. [N.J.A.C. 7:27-22.16(a)] | Chrysene: Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)] | Chrysene: Recordkeeping by stack test results once initially and prior to permit expiration date (See U25, OS Summary, Stack Testing Requirements for details). [N.J.A.C. 7:27-22.16(o)] | Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule (See U25, OS Summary, Stack Testing Requirements for details). [N.J.A.C. 7:27-22.16(o)] |
| 14 | Dibenzo(a,h)anthracene <= 0.003 lb/hr. [N.J.A.C. 7:27-22.16(a)] | Dibenzo(a,h)anthracene: Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)] | Dibenzo(a,h)anthracene: Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). [N.J.A.C. 7:27-22.16(o)] | Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. [N.J.A.C. 7:27-22.16(o)] |

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

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 15 | Fluoranthene <= 0.075 lb/hr. [N.J.A.C. 7:27-22.16(a)] | Fluoranthene: Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)] | Fluoranthene: Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). [N.J.A.C. 7:27-22.16(o)] | Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. [N.J.A.C. 7:27-22.16(o)] |
| 16 | Fluorene <= 0.075 lb/hr. [N.J.A.C. 7:27-22.16(a)] | Fluorene: Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)] | Fluorene: Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). [N.J.A.C. 7:27-22.16(o)] | Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. [N.J.A.C. 7:27-22.16(o)] |
| 17 | Indeno(1,2,3-cd)pyrene <= 0.003 lb/hr. [N.J.A.C. 7:27-22.16(a)] | Indeno(1,2,3-cd)pyrene: Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)] | Indeno(1,2,3-cd)pyrene: Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). [N.J.A.C. 7:27-22.16(o)] | Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. [N.J.A.C. 7:27-22.16(o)] |
| 18 | Mercury Emissions <= 0.0158 lb/hr. [N.J.A.C. 7:27-22.16(a)] | Mercury Emissions: Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)] | Mercury Emissions: Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). [N.J.A.C. 7:27-22.16(o)] | Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. [N.J.A.C. 7:27-22.16(o)] |
| 19 | Phenanthrene <= 0.075 lb/hr. [N.J.A.C. 7:27-22.16(a)] | Phenanthrene: Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)] | Phenanthrene: Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). [N.J.A.C. 7:27-22.16(o)] | Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. [N.J.A.C. 7:27-22.16(o)] |
| 20 | Pyrene <= 0.075 lb/hr. [N.J.A.C. 7:27-22.16(a)] | Pyrene: Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)] | Pyrene: Recordkeeping by stack test results once initially and prior to permit expiration date. [N.J.A.C. 7:27-22.16(o)] | Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. [N.J.A.C. 7:27-22.16(o)] |
| 21 | Total Non-Methane Hydrocarbons <= 25 ppm @ 7% O2. [N.J.A.C. 7:27-22.16(e)] | None. | None. | None. |

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

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 22 | Particulate Emissions: The filter bags in the baghouse shall be replaced consistent with the manufacturers specifications for CD10.<br><br>At least 2 pounds per hour of carbon shall be injected into the flue gas stream prior to the baghouse when processing MGP/Coal Tar soils for CD11. [N.J.A.C. 7:27-22.16(e)] | Particulate Emissions: Monitored by material feed/flow monitoring each hour during operation, based on a 1 hour block average. [N.J.A.C. 7:27-22.16(o)] | Particulate Emissions: Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The time and date of the replacement of bags as well as the reason for replacement shall be logged at the time of the occurrence, and the records shall be kept for 5 years. [N.J.A.C. 7:27-22.16(o)] | None. |
| 23 | Mercury Emissions: The carbon injection system (CD11) shall be equipped with a sensor and warning light. The warning light shall light when the carbon injection rate goes below 2 pounds per hour while processing MGP/Coal Tar soils. [N.J.A.C. 7:27-22.16(a)] | None. | Mercury Emissions: Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. Records are to be kept for 5 years. [N.J.A.C. 7:27-22.16(o)] | None. |

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

**Emission Unit:** **U25 LTTD rotary kiln**

**Operating Scenario:** **OS4 Soil Staging, Screening, Preprocessing and Stockpiling, OS5 Gizzly Screen Operation, OS6 Conveyor 01 - Operation - Tranfer soil from Grizzly screen to scalping screen, OS7 Vibrating Scalping Screen Operation, OS8 Soil Crusher Operation, OS9 Conveyor 02 Operation - Tranfer Soil from Scalping Screen & Crusher to Stockpile, OS10 Feed Hopper Operation, OS11 Conveyor 03 Operation - Transfer Soil from the Feed Hopper to Pan Feeder Conveyor, OS12 Conveyor 04 Operation - Pan Feeder Conveyor, Transfer Soil to Vibrating Screen, OS13 Vibrating Screen Operation, OS14 Conveyor 05 Operation - Transfer Soil To the Desorber (LTTD System) and Meter Soil Loading rate to Desorber, OS15 Operation of Pugmill, OS16 Operation of Conveyor Between LTTD System & Pugmill, OS17 Operation of Radial Stacker transfer Treated Soil from Pugmill to Treated Soil Storage Building, OS18 Collecting Conveyor, OS19 Carbon Silo for Carbon Injection System, OS20 Fines Silo**

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 1 | The emissions from these operating scenarios account for emission from soil staging, screening, pre-processing and stockpiling. [N.J.A.C. 7:27-22.16(a)] | None. | None. | |
| 2 | VOC (Total) <= 0.265 lb/hr combined total for OS4 through OS20. [N.J.A.C. 7:27-22.16(a)] | None. | None. | |
| 3 | Benzene <= 0.176 lb/hr combined total for OS4 through OS20. [N.J.A.C. 7:27-22.16(a)] | None. | None. | |
| 4 | Ethylbenzene <= 0.082 lb/hr combined total for OS4 through OS20. [N.J.A.C. 7:27-22.16(a)] | None. | None. | |
| 5 | Toluene <= 0.149 lb/hr combined total for OS4 through OS20. [N.J.A.C. 7:27-22.16(a)] | None. | None. | |
| 6 | Xylene <= 0.072 lb/hr combined total for OS4 through OS20. [N.J.A.C. 7:27-22.16(a)] | None. | None. | |
| 7 | Selenium compounds <= 0.009 lb/hr combined total for OS4 through OS20. [N.J.A.C. 7:27-22.16(a)] | None. | None. | |
| 8 | The Grizzly Screen, Extec Screen, and or Robotrac shall not process more than 150 tons per hour of contaminated soil. [N.J.A.C. 7:27-22.16(e)] | Other: Monitored by documentation of construction.[N.J.A.C. 7:27-22.16(o)]. | Other: Keep records showing that the capacity of equipment shall not exceed 150 tons/hr.[N.J.A.C. 7:27-22.16(o)]. | |

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

**Emission Unit:** **U32 Boiler**
**Operating Scenario:** **OS Summary**

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 1 | Federal Rules Summary:<br><br>NSPS Subpart A: General Provisions<br>NSPS Subpart Dc: Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units [40 CFR Federal Rules Summary] | None. | None. | None. |

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

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 2 | The permittee shall adjust the combustion process annually in accordance with the terms and conditions of N.J.A.C. 7:27-19.16 and in the same quarter of each calendar year beginning in 2008.The permittee shall:<br>1. Inspect the burner, and clean or replace any components of the burner as necessary<br>2. Inspect the flame pattern and make any adjustments to the burner necessary to optimize the flame pattern consistent with the manufacturers specifications<br>3. Inspect the system controlling the air-to-fuel ratio, and ensure that it is correctly calibrated and functioning properly<br>4. Minimize total emissions of NOx and CO consistent with the manufacturers specifications<br>5. Measure the concentration in the effluent stream of NOx, CO and O2 in ppmvd before and after the adjustment is made<br>6. Convert the emission values of the NOx, CO and O2 concentrations measured pursuant to (5) above to pounds per million BTU according to the following formula:<br>lb/MMBTU = ppmvd x MW x F dry factor x O2 correction factor/387,000,000<br>where:<br>- ppmvd is the concentration in parts per million by volume, dry basis, of NOx or CO<br>- MW is the molecular weight for NOx (46lb/lb-mole) or CO (28 lb/lb-mole)<br>- F dry factor for natural gas (8,710 dscf/MMBTU, and Residual or fuel oil (9,190 dscf/MMBTU)<br>- O2 correction factor: (20.9%)/(20.9% - O2 measured)<br>- O2 measured is percent O2 on a dry basis [N.J.A.C. 7:27-19.7] | Monitored by periodic emission monitoring annually. [N.J.A.C. 7:27-22.16(o)] | Recordkeeping by manual logging of parameter or storing data in a computer data system annually. Records shall contain the following information for each adjustment:<br>1. The date of the adjustment and the times it began and ended<br>2. The name, title, and affiliation of the person who made the adjustment<br>3. The NOx and CO concentrations in the effluent stream, in ppmvd, before and after each adjustment<br>4. The concentration of O2 (in percent dry bais) at which the CO and NOx concentrations were measured pursuant to (a)5 above<br>5. A description of any corrective action taken<br>6. Results from any subsequent test performed after taking any corrective action, including concentrations and converted emission values in pounds per million BTU<br>7. The type and amount of fuel used over the 12 months prior to the annual adjustment<br>8. Any other information which the Department or the EPA has required as a condition of approval of any permit or certificate issued for the equipment or source operation. [N.J.A.C. 7:27-19.16(b)] | Submit a report: Annually within 45 days of the adjustment beginning 2010. Reports shall be sent electronically in the format the NJDEP specifies at its website. The report shall contain the following:<br>1. The concentration of NOx and CO in the effluent stream in ppmvd, and O2 in percent dry basis, measured before and after the adjustment of the combustion process<br>2. The converted emission values in lb/MMBTU for the measurements taken before and after the adjustment of the combustion process<br>3. A description of any corrective actions taken as part of the combustion adjustment<br>4. The type and amount of fuel used over the 12 months prior to the annual adjustment. [N.J.A.C. 7:27-22.16(o)] |
| 3 | TSP <= 0.23 tons/yr. [N.J.A.C. 7:27-22.16(e)] | None. | None. | None. |
| 4 | PM-10 (Total) <= 0.23 tons/yr. [N.J.A.C. 7:27-22.16(e)] | None. | None. | None. |

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

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 5 | VOC (Total) <= 0.17 tons/yr. [N.J.A.C. 7:27-22.16(e)] | None. | None. | None. |
| 6 | NOx (Total) <= 1.53 tons/yr. [N.J.A.C. 7:27-22.16(e)] | None. | None. | None. |
| 7 | CO <= 2.58 tons/yr. [N.J.A.C. 7:27-22.16(e)] | None. | None. | None. |
| 8 | Maximum Gross Heat Input <= 14.29 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(e)] | Other: Fuel burner rated capacity.[N.J.A.C. 7:27-22.16(o)]. | Other: Keep manufacturer's specifications and name plate record.[N.J.A.C. 7:27-22.16(o)]. | None. |
| 9 | Natural Gas Usage <= 61.36 MMft^3/yr. [N.J.A.C. 7:27-22.16(e)] | Natural Gas Usage: Monitored by fuel flow/firing rate instrument continuously, based on a consecutive 12 month period (rolling 1 month basis). The permittee shall install, calibrate, and maintain the monitors in accordance with the manufacturer's specifications. The monitors shall be ranged such that the allowable value is approximately mid-scale of the full range current/voltage output. [N.J.A.C. 7:27-22.16(o)] | Natural Gas Usage: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The quantity of fuel shall be recorded monthly, the records shall include the total fuel used over the last month period. The owner or operator shall maintain the above records for at least 5 years aster 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)] | None. |
| 10 | The boiler shall be equipped with low NOx burners. [N.J.A.C. 7:27-22.16(e)] | None. | None. | None. |
| 11 | No Visible Emissions, exclusive of condensed water vapor, except for no more than 3 minutes in any consecutive 30-minute period. [N.J.A.C. 7:27- 3.2] | None. | None. | None. |
| 12 | 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, Air and Waste Management Division, U.S. Environmental Protection Agency, Federal Office Building, 26 Federal Plaza (Foley Square), New York, NY 10278. [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)] |

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

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 13 | Copies of all information submitted to EPA pursuant to 40 CFR Part 60, must also be submitted to the appropriate Regional Enforcement Office of NJDEP. [40 CFR 60.4(b)] | None. | None. | Submit a report: As per the approved schedule to the appropriate Regional Enforcement Office of NJDEP as required by 40 CFR 60. [40 CFR 60.4(b)] |
| 14 | 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. [40 CFR 60.11(d)] | None. | None. | None. |
| 15 | 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. [40 CFR 60.19] | None. | None. | None. |
| 16 | The owner or operator of an affected facility that combusts only natural gas, wood, fuels using fuel certification in 40 CFR 60.48c(f), fuels not subject to an emission standard (excluding opacity), or a mixture of these fuels shall record and maintain records of the amount of each fuel combusted during each calendar month. [40 CFR 60.48c(g)(2)] | Other: Monitor the amounts of fuel combustion in each month by fuel meter.[40 CFR 60.48c(g)(2)]. | Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [40 CFR 60.48c(g)(2)] | None. |

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

**Emission Unit:** **U32 Boiler**
**Operating Scenario:** **OS1 Boiler**

| Ref.# | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|---|---|---|---|---|
| 1 | TSP <= 0.11 lb/hr. [N.J.A.C. 7:27-22.16(e)] | None. | None. | None. |
| 2 | PM-10 (Total) <= 0.11 lb/hr. [N.J.A.C. 7:27-22.16(e)] | None. | None. | None. |
| 3 | VOC (Total) <= 0.08 lb/hr. [N.J.A.C. 7:27-22.16(e)] | None. | None. | None. |
| 4 | NOx (Total) <= 0.7 lb/hr. [N.J.A.C. 7:27-22.16(e)] | None. | None. | None. |
| 5 | CO <= 1.18 lb/hr. [N.J.A.C. 7:27-22.16(e)] | None. | None. | None. |

**BAYSHORE RECYCLING CORP (19031)**
**BOP190001**

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

**Facility Name (AIMS):** Bayshore Recycling Corp

**Facility ID (AIMS):** 19031

**Street Address:** BAYSHORE RECYCLING
75 CROWS MILL RD
KEASBEY, NJ 08832

**Mailing Address:** BAYSHORE RECYCLING
1041 NJ-36
STE 200
ATLANTIC HIGHLANDS, NJ 07716

**State Plane Coordinates:**

| | |
|---|---|
| **X-Coordinate:** | 544,390 |
| **Y-Coordinate:** | 611,440 |
| **Units:** | Feet |
| **Datum:** | NAD83 |
| **Source Org.:** | DEP-GIS |
| **Source Type:** | Approx. Addr. Match |

**County:** Middlesex

**Location Description:** Raritan River waterfront

**Industry:**

**Primary SIC:**

**Secondary SIC:**

**NAICS:**

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

**Contact Type: Air Permit Information Contact**

**Organization:** Bayshore Recycling Corp
**Org. Type:** Corporation
**Name:** Gary Sondermeyer
**NJ EIN:** 02233628570
**Title:** Vice President Operations
**Phone:** (732) 738-6000 x
**Fax:** ( ) - x
**Other:** ( ) - x
**Type:**
**Email:** GSondermeyer@BayshoreRecycling.com
**Mailing Address:** 1041 NJ-36
Suite 200
Atlantic Highlands, NJ 07716

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**Contact Type: BOP - Operating Permits**

**Organization:** Bayshore Recycling Corp
**Org. Type:** Corporation
**Name:** Jennifer Solewski
**NJ EIN:** 02233628570
**Title:** Vice President
**Phone:** (732) 738-6000 x
**Fax:** ( ) - x
**Other:** ( ) - x
**Type:**
**Email:** jsolewski@bayshorerecycling.com
**Mailing Address:** 1041 NJ-36
Suite 200
Atlantic Highlands, NJ 07716

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**Contact Type: Consultant**

**Organization:** Environmental Resources Management
**Org. Type:**
**Name:** Tom Wickstrom
**NJ EIN:**
**Title:** Partner
**Phone:** (484) 913-0453 x
**Fax:** ( ) - x
**Other:** ( ) - x
**Type:**
**Email:** tom.wickstrom@erm.com
**Mailing Address:** 75 Valley Stream
Pkwy #200
Malvern, PA 19355

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

**Contact Type:** **Fees/Billing Contact**

**Organization:** Bayshore Recycling Corp
**Name:** Joan Prochaczek
**Title:** Director of Finance
**Phone:** (732) 738-6000 x
**Fax:** ( ) - x
**Other:** ( ) - x
**Type:**
**Email:** joan@bayshorerecycling.com

**Org. Type:** Corporation
**NJ EIN:** 02233628570

**Mailing Address:** 1041 NJ-36
Suite 200
Atlantic Highlands, NJ 07716

---

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

**Organization:** Bayshore Recycling Corp
**Name:** Valerie Montecalvo
**Title:** President
**Phone:** (732) 738-6000 x
**Fax:** (732) 738-9150 x
**Other:** ( ) - x
**Type:**
**Email:** VMontecalvo@BayshoreRecycling.com

**Org. Type:** Corporation
**NJ EIN:** 02233628570

**Mailing Address:** 1041 NJ-36
Suite 200
Atlantic Highlands, NJ 07716

---

**Contact Type:** **Regulation Officer**

**Organization:** Bayshore Recycling Corp
**Name:** Jennifer Solewski
**Title:** VP Regulatory Affairs
**Phone:** (732) 738-6000 x
**Fax:** (732) 738-9150 x
**Other:** ( ) - x
**Type:**
**Email:** jsolewski@bayshorerecycling.com

**Org. Type:** Corporation
**NJ EIN:** 02233628570

**Mailing Address:** 1041 NJ-36
Suite 200
Atlantic Highlands, NJ 07716

**BAYSHORE RECYCLING CORP (19031)**
**BOP190001**

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

**Contact Type:** **Responsible Official**

**Organization:** Bayshore Recycling Corp
**Name:** Jennifer Solewski
**Title:** Vice President
**Phone:** (732) 738-6000 x
**Fax:** (732) 738-9150 x
**Other:** ( ) - x
**Type:**
**Email:** jsolewski@bayshorerecycling.com

**Org. Type:** Corporation
**NJ EIN:** 02233628570

**Mailing Address:** 1041 NJ-36
Suite 200
Atlantic Highlands, NJ 07716

**BAYSHORE RECYCLING CORP (19031)**
**BOP190001**

Date: 6/19/2025

## New Jersey Department of Environmental Protection
## Insignificant Source Emissions

| IS NJID | Source/Group Description | Equipment Type | Location Description | Estimate of Emissions (tpy) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | VOC (Total) | NOx | CO | SO | TSP | PM-10 | Pb | HAPS (Total) | Other (Total) |
| IS1 | Insignificant Source Diesel Engines for Equipment | Portable Engine | Entire Site, Portable | 0.180 | 2.250 | 1.800 | 1.480 | 0.010 | 0.020 | | | |
| IS2 | Office heating Systems | Fuel Combustion Equipment (Other) | Office Buildings | | 0.530 | | | | | | | |
| IS3 | Shop Space heaters | Fuel Combustion Equipment (Other) | Shop Buildings | | 0.740 | | | | | | | |
| Total | | | | 0.180 | 3.520 | 1.800 | 1.480 | 0.010 | 0.000 | 0.000 | 0.00000000 | 0.000 |

**BAYSHORE RECYCLING CORP (19031)** Date: 6/19/2025
**BOP190001**

# 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 | ClassB 1 | Mobil Screener - Class B | Manufacturing and Materials Handling Equipment | 18326/ PCP030001 | 8/24/2001 | No | 8/24/2001 | |
| E2 | ClassB 2 | Eagle stationary electric Crusher and conveyor - Class B | Manufacturing and Materials Handling Equipment | 18326/ PCP030001 | 8/24/2001 | No | 1/1/2003 | |
| E3 | ClassB3 | Extec mobil crusher and conveyor - Class B | Manufacturing and Materials Handling Equipment | 18326/ PCP030001 | 8/24/2001 | No | 8/24/2001 | |
| E4 | ClassB4 | Eagle stationary electric crusher - Class B | Manufacturing and Materials Handling Equipment | 18326/PCP080001 | 7/1/2008 | No | 7/1/2008 | |
| E5 | ClassB5 | Eagle stationary electric screener - Class B | Manufacturing and Materials Handling Equipment | 18326/ PCP080001 | 7/1/2008 | No | 7/1/2008 | |
| E6 | ClassB 6 | Mobil crusher - Class B | Manufacturing and Materials Handling Equipment | 18326/ PCP080001 | 7/1/2008 | No | 7/1/2008 | |
| E11 | ClassB 11 | Mobil conveyor - Class B | Manufacturing and Materials Handling Equipment | 18326/PCP080001 | 7/1/2008 | No | 7/1/2008 | |
| E12 | ClassB 12 | Mobil conveyor - Class B | Manufacturing and Materials Handling Equipment | 18326/ PCP080001 | 7/1/2008 | No | 7/1/2008 | |
| E13 | ClassB13 | Mobil conveyor - Class B | Manufacturing and Materials Handling Equipment | 18326/ PCP080001 | 7/1/2008 | No | 7/1/2008 | |

# 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 |
|---|---|---|---|---|---|---|---|---|
| E14 | MRF1 | Sorting Line Conveyor - MRF | Manufacturing and Materials Handling Equipment | 18532/ PCP090001 | 7/15/2005 | No | 7/15/2005 | |
| E15 | MRF2 | Electric Wood Grinder - MRF | Manufacturing and Materials Handling Equipment | 18532/ PCP090001 | 7/15/2005 | No | 7/15/2005 | |
| E16 | MRF3 | Electric Screener 1 - MRF | Manufacturing and Materials Handling Equipment | 18532/ PCP090001 | 7/15/2005 | No | 7/15/2005 | |
| E17 | MRF4 | Electric Screener 2 - MRF | Manufacturing and Materials Handling Equipment | 18532/ PCP090001 | 7/15/2005 | No | 7/15/2005 | |
| E18 | MRF5 | Electric Screener 3 - MRF | Manufacturing and Materials Handling Equipment | 18532/ PCP090001 | 7/15/2005 | No | 7/15/2005 | |
| E19 | MRF6 | Electric Destoner - MRF | Manufacturing and Materials Handling Equipment | 18532/ PCP090001 | 7/15/2005 | No | 7/15/2005 | |
| E20 | MRF7 | Electric Magnetic Separator - MRF | Manufacturing and Materials Handling Equipment | 18532/ PCP090001 | 7/15/2005 | No | 7/15/2005 | |
| E21 | BSM1 | Soil screening, preprocesing, & storage - BSM | Other Equipment | 18437/ PCP100001 | 2/1/2005 | No | 2/1/2005 | |
| E22 | BSM2 | Grizzly screen - BSM | Manufacturing and Materials Handling Equipment | 18437/ PCP100001 | 2/1/2005 | No | 2/1/2005 | |

# 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 |
|---|---|---|---|---|---|---|---|---|
| E23 | BSM3 | Conveyor /cross belt magnet - BSM | Manufacturing and Materials Handling Equipment | 18437/ PCP100001 | 2/1/2005 | No | 2/1/2005 | |
| E24 | BSM4 | Vibrating scalping screen - BSM | Manufacturing and Materials Handling Equipment | 18437/ PCP100001 | 2/1/2005 | No | 2/1/2005 | |
| E25 | BSM5 | Soil crusher - BSM | Manufacturing and Materials Handling Equipment | 18437/ PCP100001 | 2/1/2005 | No | 2/1/2005 | |
| E26 | BSM6 | Stacker Conveyor - BSM | Manufacturing and Materials Handling Equipment | 18437/ PCP100001 | 2/1/2005 | No | 2/1/2005 | |
| E27 | BSM7 | Feed Hopper - BSM | Manufacturing and Materials Handling Equipment | 18437/ PCP100001 | 2/1/2005 | No | 2/1/2005 | |
| E28 | BSM8 | Hopper conveyor - BSM | Manufacturing and Materials Handling Equipment | 18437/ PCP100001 | 2/1/2005 | No | 2/1/2005 | |
| E29 | BSM9 | Conveyor w/cross belt magnet - BSM | Manufacturing and Materials Handling Equipment | 18437/ PCP100001 | 2/1/2005 | No | 2/1/2005 | |
| E30 | BSM10 | Vibrating screen - BSM | Manufacturing and Materials Handling Equipment | 18437/ PCP100001 | 2/1/2005 | No | 2/1/2005 | |
| E31 | BSM11 | LTTD Weighing belt conveyor - BSM | Manufacturing and Materials Handling Equipment | 18437/ PCP100001 | 2/1/2005 | No | 2/1/2005 | |

# 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 |
|---|---|---|---|---|---|---|---|---|
| E32 | BSM12 | Low temperature thermal desorbtion rotary kiln - BSM | Fuel Combustion Equipment (Other) | 18437/ PCP100001 | 2/1/2005 | No | 2/1/2005 | |
| E33 | BSM13 | Pugmill - BSM | Manufacturing and Materials Handling Equipment | 18437/ PCP100001 | 2/1/2005 | No | 2/1/2005 | |
| E34 | BSM14 | Pugmill conveyor - BSM | Manufacturing and Materials Handling Equipment | 18437/ PCP100001 | 2/1/2005 | No | 2/1/2005 | |
| E35 | BSM15 | Radial stack converter - BSM | Manufacturing and Materials Handling Equipment | 18437/ PCP100001 | 2/1/2005 | No | 2/1/2005 | |
| E36 | BSM16 | Carbon silo - BSM | Storage Vessel | 18437/ PCP100001 | 2/1/2005 | No | 2/1/2005 | |
| E37 | BSM17 | Fines silo - BSM | Storage Vessel | 18437/ PCP100001 | 2/1/2005 | No | 2/1/2005 | |
| E38 | BSM18 | Collecting conveyor - BSM | Manufacturing and Materials Handling Equipment | 18437/ PCP100001 | 2/1/2005 | No | 2/1/2005 | |
| E39 | BSM19 | Screening equipment - BSM | Manufacturing and Materials Handling Equipment | 18437/ PCP100001 | 2/1/2005 | No | 2/1/2005 | |
| E40 | TF1 | Transfer station | Manufacturing and Materials Handling Equipment | 18532/ PCP080003 | 7/15/2005 | No | 7/15/2005 | |
| E41 | TF2 | Magnetic separator | Manufacturing and Materials Handling Equipment | 18532/ PCP080003 | 1/1/2008 | No | 1/1/2008 | |

# 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 |
|---|---|---|---|---|---|---|---|---|
| E42 | TF3 | Trommel | Manufacturing and Materials Handling Equipment | 18532/ PCP080003 | 1/1/2008 | No | 1/1/2008 | |
| E43 | TF4 | Shredder / 4.08 MMBtu/hr Diesel Engine | Manufacturing and Materials Handling Equipment | 18532/ PCP080003 | 1/1/2008 | No | 1/1/2008 | |
| E45 | CO1 | Boiler - NG | Boiler | 18667/ PCP080003 | 6/1/2008 | No | 6/1/2008 | |
| E46 | Class B 46 | TS80 Mobile Conveyor | Manufacturing and Materials Handling Equipment | none | | No | | |
| E47 | Class B 47 | QJ340 Mobile Crusher | Other Equipment | none | | No | | |
| E49 | Class B E8-1 | Extec/Sandvik QE440 screener | Other Equipment | none | | No | | |
| E50 | Class B E8-2 | Extec/Sandvik QE440 screener | Other Equipment | none | | No | | |
| E52 | Class B McC | McCloskey Screener | Other Equipment | none | | No | | |
| E53 | BRR1 | Baler1 | Other Equipment | none | | No | | |
| E54 | BRR2 | Baler2 | Other Equipment | none | | No | | |
| E55 | BRR3 | Sorting Line | Other Equipment | none | | No | | |
| E56 | ClassB 14 | Mobile screener - Class B | Manufacturing and Materials Handling Equipment | | 1/1/2024 | No | | |
| E57 | ClassB 15 | Mobile screener - Class B | Manufacturing and Materials Handling Equipment | | 1/1/2024 | No | | |

**BAYSHORE RECYCLING CORP (19031)** Date: 6/19/2025
**BOP190001**

## 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 |
|---|---|---|---|---|---|---|---|---|
| E58 | ClassB 16 | Mobile screener - Class B | Manufacturing and Materials Handling Equipment | | 9/1/2020 | No | | |
| E59 | ClassB 17 | Mobile conveyor - Class B | Manufacturing and Materials Handling Equipment | | 1/1/2024 | No | | |
| E60 | ClassB 18 | Eagle stationary electric crusher - Class B | Manufacturing and Materials Handling Equipment | | 1/1/2024 | No | | |
| E61 | ClassB 61 | Sandvik Jaw crusher | Other Equipment | | 1/1/2024 | No | | |
| E62 | ClassB 62 | Sandvik QE442 screener | Other Equipment | | 1/1/2024 | No | | |

**19031 BAYSHORE RECYCLING CORP BOP190001 E1 (Manufacturing and Materials Handling Equipment)**
**Print Date: 12/27/2024**

| | |
|---|---|
| Make: | EXTEC |
| Manufacturer: | EXTEC |
| Model: | Robo Trac |
| Type of Manufacturing and Materials Handling Equipment: | screener |
| Capacity: | 5.00E+01 |
| Units: | other units |
| Description (if other): | ton/hr |
| Have you attached a diagram showing the location and/or the configuration of this equipment? | No |
| Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application? | No |
| Comments: | |

**19031 BAYSHORE RECYCLING CORP BOP190001 E2 (Manufacturing and Materials Handling Equipment)**
**Print Date: 12/27/2024**

| | |
|---|---|
| Make: | EAGLE |
| Manufacturer: | EAGLE |
| Model: | NA |
| Type of Manufacturing and Materials Handling Equipment: | CONVEYOR |
| Capacity: | 8.00E+01 |
| Units: | other units |
| Description (if other): | TON/HR |
| Have you attached a diagram showing the location and/or the configuration of this equipment? | Yes |
| Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application? | No |
| Comments: | |

**19031 BAYSHORE RECYCLING CORP BOP190001 E3 (Manufacturing and Materials Handling Equipment)**
**Print Date: 12/27/2024**

| | |
|---|---|
| Make: | EXTEC |
| Manufacturer: | EXTEC |
| Model: | E7 |
| Type of Manufacturing and Materials Handling Equipment: | CONVEYOR |
| Capacity: | 4.00E+01 |
| Units: | other units |
| Description (if other): | TON/HR |
| Have you attached a diagram showing the location and/or the configuration of this equipment? | Yes |
| Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application? | No |
| Comments: | |

**19031 BAYSHORE RECYCLING CORP BOP190001 E4 (Manufacturing and Materials Handling Equipment)**
**Print Date: 12/27/2024**

| | |
|---|---|
| Make: | EAGLE |
| Manufacturer: | EAGLE |
| Model: | 22212 |
| Type of Manufacturing and Materials Handling Equipment: | CRUSHER |
| Capacity: | 8.00E+01 |
| Units: | other units |
| Description (if other): | TON/HR |
| Have you attached a diagram showing the location and/or the configuration of this equipment? | Yes |
| Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application? | Yes |
| Comments: | |

**19031 BAYSHORE RECYCLING CORP BOP190001 E5 (Manufacturing and Materials Handling Equipment)**
**Print Date: 12/27/2024**

| | |
|---|---|
| Make: | EAGLE |
| Manufacturer: | EAGLE |
| Model: | 22212 |
| Type of Manufacturing and Materials Handling Equipment: | SCREEN |
| Capacity: | 8.00E+01 |
| Units: | other units |
| Description (if other): | TON/HR |
| Have you attached a diagram showing the location and/or the configuration of this equipment? | Yes |
| Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application? | No |
| Comments: | |

**19031 BAYSHORE RECYCLING CORP BOP190001 E6 (Manufacturing and Materials Handling Equipment)**
**Print Date: 12/27/2024**

| | |
|---|---|
| Make: | EXTEC |
| Manufacturer: | EXTEC |
| Model: | CRUSHER |
| Type of Manufacturing and Materials Handling Equipment: | CRUSHER |
| Capacity: | 4.00E+01 |
| Units: | other units |
| Description (if other): | TON/HR |
| Have you attached a diagram showing the location and/or the configuration of this equipment? | Yes |
| Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application? | Yes |
| Comments: | |

**19031 BAYSHORE RECYCLING CORP BOP190001 E11 (Manufacturing and Materials Handling Equipment)**
**Print Date: 12/27/2024**

| | |
|---|---|
| Make: | EXTEC |
| Manufacturer: | EXTEC |
| Model: | E7 |
| Type of Manufacturing and Materials Handling Equipment: | CONVEYOR |
| Capacity: | 5.00E+01 |
| Units: | other units |
| Description (if other): | TON/HR |
| Have you attached a diagram showing the location and/or the configuration of this equipment? | Yes |
| Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application? | No |
| Comments: | |

**19031 BAYSHORE RECYCLING CORP BOP190001 E12 (Manufacturing and Materials Handling Equipment)**
**Print Date: 12/27/2024**

| | |
|---|---|
| Make: | EXTEC |
| Manufacturer: | EXTEC |
| Model: | E7 |
| Type of Manufacturing and Materials Handling Equipment: | CONVEYOR |
| Capacity: | 5.00E+01 |
| Units: | other units |
| Description (if other): | TON/HR |
| Have you attached a diagram showing the location and/or the configuration of this equipment? | Yes |
| Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application? | No |
| Comments: | |

**19031 BAYSHORE RECYCLING CORP BOP190001 E13 (Manufacturing and Materials Handling Equipment)**
**Print Date: 12/27/2024**

| | |
|---|---|
| Make: | EXTEC |
| Manufacturer: | EXTEC |
| Model: | E7 |
| Type of Manufacturing and Materials Handling Equipment: | CONVEYOR |
| Capacity: | 5.00E+01 |
| Units: | other units |
| Description (if other): | TON/HR |
| Have you attached a diagram showing the location and/or the configuration of this equipment? | Yes |
| Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application? | Yes |
| Comments: | |

**19031 BAYSHORE RECYCLING CORP BOP190001 E14 (Manufacturing and Materials Handling Equipment)**
**Print Date: 12/27/2024**

| | |
|---|---|
| Make: | Custom |
| Manufacturer: | Custom |
| Model: | Custom |
| Type of Manufacturing and Materials Handling Equipment: | Recycle/Sorting Line |
| Capacity: | 1.00E+03 |
| Units: | other units |
| Description (if other): | tons/day |
| 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: | Recycle/sorting line conveying system. |

**19031 BAYSHORE RECYCLING CORP BOP190001 E15 (Manufacturing and Materials Handling Equipment)**
**Print Date: 12/27/2024**

| | |
|---|---|
| Make: | TBD |
| Manufacturer: | |
| Model: | |
| Type of Manufacturing and Materials Handling Equipment: | Wood Grinder |
| Capacity: | 1.00E+03 |
| Units: | other units |
| Description (if other): | tons/day |
| 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: | Horizontal wood grinder powered by two (2) 250-HP motors |

**19031 BAYSHORE RECYCLING CORP BOP190001 E16 (Manufacturing and Materials Handling Equipment)**
**Print Date: 12/27/2024**

| | |
|---|---|
| Make: | FS 165 |
| Manufacturer: | Erin |
| Model: | |
| Type of Manufacturing and Materials Handling Equipment: | Screener |
| Capacity: | 1.00E+03 |
| Units: | other units |
| Description (if other): | tons/day |
| 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: | |

**19031 BAYSHORE RECYCLING CORP BOP190001 E17 (Manufacturing and Materials Handling Equipment)**
**Print Date: 12/27/2024**

| | |
|---|---|
| Make: | FS 165 |
| Manufacturer: | Erin |
| Model: | |
| Type of Manufacturing and Materials Handling Equipment: | Screener |
| Capacity: | 1.00E+03 |
| Units: | other units |
| Description (if other): | tons/day |
| 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: | |

**19031 BAYSHORE RECYCLING CORP BOP190001 E18 (Manufacturing and Materials Handling Equipment)**
**Print Date: 12/27/2024**

| | |
|---|---|
| Make: | FS 206 |
| Manufacturer: | Erin |
| Model: | |
| Type of Manufacturing and Materials Handling Equipment: | Screener |
| Capacity: | 1.00E+03 |
| Units: | other units |
| Description (if other): | tons/day |
| 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: | |

**19031 BAYSHORE RECYCLING CORP BOP190001 E19 (Manufacturing and Materials Handling Equipment)**
**Print Date: 12/27/2024**

| | |
|---|---|
| Make: | |
| Manufacturer: | GK |
| Model: | |
| Type of Manufacturing and Materials Handling Equipment: | De-stoner |
| Capacity: | 1.00E+03 |
| Units: | other units |
| Description (if other): | tons/day |
| 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: | |

**19031 BAYSHORE RECYCLING CORP BOP190001 E20 (Manufacturing and Materials Handling Equipment)**
**Print Date: 12/27/2024**

| | |
|---|---|
| Make: | Custom |
| Manufacturer: | |
| Model: | |
| Type of Manufacturing and Materials Handling Equipment: | Magnetic Separator |
| Capacity: | 1.00E+03 |
| Units: | other units |
| Description (if other): | tons/day |
| 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: | |

**19031 BAYSHORE RECYCLING CORP BOP190001 E21 (Other Equipment)**
**Print Date: 12/27/2024**

| | |
|---|---|
| Make: | |
| Manufacturer: | |
| Model: | |
| Equipment Type: | Soil Staging |
| Capacity: | 150.00 |
| Units: | tons/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: Soil is received , stockpiled, screened and pre-processed inside a building.

**19031 BAYSHORE RECYCLING CORP BOP190001 E22 (Manufacturing and Materials Handling Equipment)**
**Print Date: 12/27/2024**

| | |
|---|---|
| Make: | GENERIC GRIZZLY SCREEN |
| Manufacturer: | NOT APPLICABLE |
| Model: | NOT APPLICABLE |
| Type of Manufacturing and Materials Handling Equipment: | GRIZZLY SCREEN |
| Capacity: | 1.50E+02 |
| Units: | other units |
| Description (if other): | TONS/HOUR |
| Have you attached a diagram showing the location and/or the configuration of this equipment? | Yes |
| Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application? | No |
| Comments: | GRIZZLY DUAL SCREEN AND EACH SCREEN IS 6' WIDE BY 12' LONG. MATERIAL LESS THAN 9" DIAMETER WILL PASS THROUGH THE SCREEN. GRIZZLY SCREEN IS LOCATED INSIDE A BUILDING AND POWERED BY ELECTRICITY. |

**19031 BAYSHORE RECYCLING CORP BOP190001 E23 (Manufacturing and Materials Handling Equipment)**
**Print Date: 12/27/2024**

| | |
|---|---|
| Make: | GENERIC CONVEYOR & MAGNET |
| Manufacturer: | NOT APPLICABLE |
| Model: | NOT APPLICABLE |
| Type of Manufacturing and Materials Handling Equipment: | CONVEYOR W/CROSS BELT MAGNET |
| Capacity: | 1.50E+02 |
| Units: | other units |
| Description (if other): | TON/HOUR |
| Have you attached a diagram showing the location and/or the configuration of this equipment? | Yes |
| Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application? | No |
| Comments: | SOIL FROM THE COLLECTING CONVEYOR IS TRANSFERRED TO THE SCALPING SCREEN ON E1002 CONVEYOR 01. CONVEYOR HAS A CROSS BELT MAGNET TO REMOVE FERROUS MATERIAL FROM THE SOIL STREAM. CONVEYOR IS LOCATED INSIDE A BUILDING AND IS POWERED BY ELECTRICITY. |

**19031 BAYSHORE RECYCLING CORP BOP190001 E24 (Manufacturing and Materials Handling Equipment)**
**Print Date: 12/27/2024**

| | |
|---|---|
| Make: | GENERIC SCALPING SCREEN |
| Manufacturer: | NOT APPLICABLE |
| Model: | NOT APPLICABLE |
| Type of Manufacturing and Materials Handling Equipment: | VIBRATING SCALPING SCREEN |
| Capacity: | 1.50E+02 |
| Units: | other units |
| Description (if other): | TON/HOUR |
| Have you attached a diagram showing the location and/or the configuration of this equipment? | Yes |
| Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application? | No |
| Comments: | SOIL MATERIAL < 3" DIAMETER IS PASSED THROUGH THE SCREEN TO CRUSHER CONVEYOR. SOIL MATERIAL >3" DIAMETER IS TRANSFERRED TO THE CRUSHER. EQUIPMENT IS LOCATED IN A BUILDING AND IS POWERED BY ELECTRICITY. |

**19031 BAYSHORE RECYCLING CORP BOP190001 E25 (Manufacturing and Materials Handling Equipment)**
**Print Date: 12/27/2024**

| | |
|---|---|
| Make: | GENERIC CRUSHER |
| Manufacturer: | NOT APPLICABLE |
| Model: | NOT APPLICABLE |
| Type of Manufacturing and Materials Handling Equipment: | CRUSHER |
| Capacity: | 1.50E+01 |
| Units: | other units |
| Description (if other): | TON/HOUR |
| Have you attached a diagram showing the location and/or the configuration of this equipment? | Yes |
| Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application? | No |
| Comments: | CRUSHER IS 8' WIDE BY 22' LONG. MATERIAL GREATER THAN 3" DIAMETER FROM THE SCALPING SCREEN IS CRUSHED AND THEN TRANSFERRED TO THE CRUSHER CONVEYOR. EQUIPMENT IS LOCATED INSIDE A BUILDING AND IS POWERED BY ELECTRICITY. |

**19031 BAYSHORE RECYCLING CORP BOP190001 E26 (Manufacturing and Materials Handling Equipment)**
**Print Date: 12/27/2024**

| | |
|---|---|
| Make: | GENERIC CONVEYOR |
| Manufacturer: | NOT APPLICABLE |
| Model: | NOT APPLICABLE |
| Type of Manufacturing and Materials Handling Equipment: | CONVEYOR |
| Capacity: | 1.50E+02 |
| Units: | other units |
| Description (if other): | TON/HOUR |
| Have you attached a diagram showing the location and/or the configuration of this equipment? | Yes |
| Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application? | No |
| Comments: | THE CONVEYOR IS PARTIALLY UNDER THE SCALPING SCREEN AND CRUSHER. IT IS LOCATED INSIDE A BUILDING AND IS POWERED BY ELECTRICITY. |

**19031 BAYSHORE RECYCLING CORP BOP190001 E27 (Manufacturing and Materials Handling Equipment)**
**Print Date: 12/27/2024**

| | |
|---|---|
| Make: | GENERIC FEED HOPPER |
| Manufacturer: | NOT APPLICABLE |
| Model: | NOT APPLICABLE |
| Type of Manufacturing and Materials Handling Equipment: | FEED HOPPER |
| Capacity: | 5.00E+01 |
| Units: | other units |
| Description (if other): | TON/HOUR |
| Have you attached a diagram showing the location and/or the configuration of this equipment? | Yes |
| Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application? | No |
| Comments: | THE FEED HOPPER OPENING IS APPROXIMATELY 6' WIDE BY 12' LONG. SOIL LOADED INTO THE HOPPER IS TRANSFERRED TO THE METERING CONVEYOR. THE HOPPER IS LOCATED INSIDE A BUILDING AND IS ELECTRICAL POWERED. |

**19031 BAYSHORE RECYCLING CORP BOP190001 E28 (Manufacturing and Materials Handling Equipment)**
**Print Date: 12/27/2024**

| | |
|---|---|
| Make: | GENERIC CONVEYOR |
| Manufacturer: | NOT APPLICABLE |
| Model: | NOT APPLICABLE |
| Type of Manufacturing and Materials Handling Equipment: | CONVEYOR |
| Capacity: | 5.00E+01 |
| Units: | other units |
| Description (if other): | TON/HOUR |
| Have you attached a diagram showing the location and/or the configuration of this equipment? | Yes |
| Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application? | No |
| Comments: | THE BELT CONVEYOR IS APPROXIMATELY 3' WIDE BY 22' LONG. THE CONVEYOR IS FULLY ENCLOSED (COVER AND SKIRT) . THE CONVEYOR IS LOCATED INSIDE A BUILDING AND IS POWERED BY ELECTRICITY. |

**19031 BAYSHORE RECYCLING CORP BOP190001 E29 (Manufacturing and Materials Handling Equipment)**
**Print Date: 12/27/2024**

| | |
|---|---|
| Make: | GENERIC CONVEYOR |
| Manufacturer: | NOT APPLICABLE |
| Model: | NOT APPLICABLE |
| Type of Manufacturing and Materials Handling Equipment: | CONVEYOR |
| Capacity: | 5.00E+01 |
| Units: | other units |
| Description (if other): | TON/HOUR |
| Have you attached a diagram showing the location and/or the configuration of this equipment? | Yes |
| Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application? | No |
| Comments: | THE CONVEYOR IS FULLY ENCLOSED (COVER AND SKIRTS). THE CONVEYOR INSIDE THE BUILDING. THE CONVEYOR IS POWERED BY ELECTRICITY. |

**19031 BAYSHORE RECYCLING CORP BOP190001 E30 (Manufacturing and Materials Handling Equipment)**
**Print Date: 12/27/2024**

| | |
|---|---|
| Make: | GENERIC VIBRATING SCREEN |
| Manufacturer: | NOT APPLICABLE |
| Model: | NOT APPLICABLE |
| Type of Manufacturing and Materials Handling Equipment: | VIBRATING SCREEN |
| Capacity: | 5.00E+01 |
| Units: | other units |
| Description (if other): | TON/HOUR |
| Have you attached a diagram showing the location and/or the configuration of this equipment? | Yes |
| Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application? | No |
| Comments: | THE VIBRATING SCREEN IS APPROXIMATELY 3' WIDE BY 6' LONG AND IS PARTIALLY ENCLOSED. POWERED BY ELECTRICITY. |

**19031 BAYSHORE RECYCLING CORP BOP190001 E31 (Manufacturing and Materials Handling Equipment)**
**Print Date: 12/27/2024**

| | |
|---|---|
| Make: | GENERIC CONVEYOR |
| Manufacturer: | NOT APPLICABLE |
| Model: | NOT APPLICABLE |
| Type of Manufacturing and Materials Handling Equipment: | CONVEYOR |
| Capacity: | 5.00E+01 |
| Units: | other units |
| Description (if other): | TON/HOUR |
| Have you attached a diagram showing the location and/or the configuration of this equipment? | Yes |
| Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application? | No |
| Comments: | THE BELT CONVEYOR IS APPROXIMATELY 2' WIDE BY 54' LONG. THE CONVEYOR IS COMPLETELY ENCLOSED (COVER AND SKIRTS) AND IS POWERED BY ELECTRICITY. THE CONVEYOR HAS A WEIGHING CELL THAT PROVIDES REAL TIME SOIL LOADING RATE DATA TO THE CONTROL ROOM. THE CONVEYOR IS PARTIALLY INSIDE THE BUILDING WHILE THE END PORTION OF THE CONVEYOR IS LOCATED OUTSIDE. |

**19031 BAYSHORE RECYCLING CORP BOP190001 E32 (Fuel Combustion Equipment (Other))**
**Print Date: 12/27/2024**

| | |
|---|---|
| Make: | Tarmac |
| Manufacturer: | Tarmac |
| Model: | T328 |
| Maximum rated Gross Heat Input (MMBtu/hr-HHV): | 40.00 |
| Type of Heat Exchange: | Direct |
| Equipment Type Description: | Thermal desorption unit (rorary kiln) |

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: Desorber operated for treatment of contaminated soils.

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

**19031 BAYSHORE RECYCLING CORP BOP190001 E33 (Manufacturing and Materials Handling Equipment)**
**Print Date: 12/27/2024**

| | |
|---|---|
| Make: | GENERIC PUGMILL |
| Manufacturer: | NOT APPLICABLE |
| Model: | NOT APPLICABLE |
| Type of Manufacturing and Materials Handling Equipment: | PUGMILL |
| Capacity: | 5.00E+01 |
| Units: | other units |
| Description (if other): | TONS/HOURS |
| Have you attached a diagram showing the location and/or the configuration of this equipment? | Yes |
| Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application? | No |
| Comments: | TREATED SOIL FROM THE LTTD IS MIXED WITH WATER AND TRANSFERRED TO ROTARY STACKER. FULLY ENCLOSED AND POWERED BY ELECTRICITY. |

**19031 BAYSHORE RECYCLING CORP BOP190001 E34 (Manufacturing and Materials Handling Equipment)**
**Print Date: 12/27/2024**

| | |
|---|---|
| Make: | GENERIC CONVEYOR |
| Manufacturer: | NOT APPLICABLE |
| Model: | NOT APPLICABLE |
| Type of Manufacturing and Materials Handling Equipment: | CONVEYOR |
| Capacity: | 5.00E+01 |
| Units: | other units |
| Description (if other): | TON/HOUR |
| Have you attached a diagram showing the location and/or the configuration of this equipment? | Yes |
| Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application? | No |
| Comments: | TRANSFERS TREATED SOIL FROM PUGMILL TO RADIAL STACKER. |

**19031 BAYSHORE RECYCLING CORP BOP190001 E35 (Manufacturing and Materials Handling Equipment)**
**Print Date: 12/27/2024**

| | |
|---|---|
| Make: | GENERIC |
| Manufacturer: | NOT APPLICABLE |
| Model: | NOT APPLICABLE |
| Type of Manufacturing and Materials Handling Equipment: | RADIAL STACKER CONVEYOR |
| Capacity: | 5.00E+01 |
| Units: | other units |
| Description (if other): | TON/HOUR |
| Have you attached a diagram showing the location and/or the configuration of this equipment? | Yes |
| Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application? | No |
| Comments: | THE STACKER HAS COVER AND SKIRTS. TRANSFERS TREATED SOILS FROM THE PUGMILL TO RADIAL STACKER. APPROX. 2' WIDE BY 30' LONG AND IS POWERED BY ELECTRICITY. |

**19031 BAYSHORE RECYCLING CORP BOP190001 E36 (Storage Vessel)**
**Print Date: 12/27/2024**

| | |
|---|---|
| What type of contents is this storage vessel equipped to contain by design? | Solids Only |
| Storage Vessel Type: | Silo |
| Design Capacity: | 300 |
| Units: | gallons |
| Ground Location: | Above Ground |
| Is the Shell of the Equipment Exposed to Sunlight? | |
| Shell Color: | |
| Description (if other): | |
| Shell Condition: | Light Rust |
| Paint Condition: | |
| Shell Construction: | Welded |
| Is the Shell Insulated? | |
| Type of Insulation: | |
| Insulation Thickess (in): | |
| Thermal Conductivity of Insulation [(BTU)(in)(hr)(ft2)(deg F)]: | |
| Shape of Storage Vessel: | |
| Shell Height (From Ground to Roof Bottom) (ft): | |
| Length (ft): | |
| Width (ft): | |
| Diameter (ft): | |
| Other Dimension | |
| Description: | |
| Value: | |
| Units: | |
| Fill Method: | Top Pipe |
| Description (if other): | |
| Maximum Design Fill Rate: | 0.70 |
| Units: | ft^3/min |
| Does the storage vessel have a roof or an open top? | Roof |
| Roof Type: | Horizontal fixed roof tank |
| Roof Height (From Roof Bottom to Roof Top) (ft): | |
| Roof Construction: | |
| Primary Seal Type: | |
| Secondary Seal Type: | |
| Total Number of Seals: | |
| Roof Support: | |
| Does the storage vessel have a Vapor Return Loop? | |
| Does the storage vessel | |

**19031 BAYSHORE RECYCLING CORP BOP190001 E36 (Storage Vessel)**
**Print Date: 12/27/2024**

| | |
|---|---|
| Does the storage vessel have a Conservation Vent? | |
| Have you attached a diagram showing the location and/or the configuration of this equipment? | Yes |
| Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application? | No |
| Comments: | CARBON STORAGE SILO FOR MERCURY APCD. THE SILO VENT IS HARDPIPED TO THE APCD PIPING BETWEEN THE EVAPORATING COOLING CHAMBER AND THE EMERGENCY COOLING DAMPER. THEREFORE THE SILO DOES NOT HAVE ITS OWN EMISSION POINT. |

**19031 BAYSHORE RECYCLING CORP BOP190001 E37 (Storage Vessel)**
**Print Date: 12/27/2024**

| | |
|---|---|
| What type of contents is this storage vessel equipped to contain by design? | Solids Only |
| Storage Vessel Type: | |
| Design Capacity: | 1,200 |
| Units: | gallons |
| Ground Location: | Above Ground |
| Is the Shell of the Equipment Exposed to Sunlight? | |
| Shell Color: | |
| Description (if other): | |
| Shell Condition: | |
| Paint Condition: | |
| Shell Construction: | |
| Is the Shell Insulated? | |
| Type of Insulation: | |
| Insulation Thickess (in): | |
| Thermal Conductivity of Insulation [(BTU)(in)(hr)(ft2)(deg F)]: | |
| Shape of Storage Vessel: | Cylindrical |
| Shell Height (From Ground to Roof Bottom) (ft): | |
| Length (ft): | |
| Width (ft): | |
| Diameter (ft): | |
| Other Dimension | |
| Description: | |
| Value: | |
| Units: | |
| Fill Method: | Top Pipe |
| Description (if other): | |
| Maximum Design Fill Rate: | 0.70 |
| Units: | ft^3/min |
| Does the storage vessel have a roof or an open top? | Roof |
| Roof Type: | Horizontal fixed roof tank |
| Roof Height (From Roof Bottom to Roof Top) (ft): | |
| Roof Construction: | |
| Primary Seal Type: | |
| Secondary Seal Type: | |
| Total Number of Seals: | |
| Roof Support: | |
| Does the storage vessel have a Vapor Return Loop? | |
| Does the storage vessel | |

**19031 BAYSHORE RECYCLING CORP BOP190001 E37 (Storage Vessel)**
**Print Date: 12/27/2024**

| | |
|---|---|
| Does the storage vessel have a Conservation Vent? | |
| Have you attached a diagram showing the location and/or the configuration of this equipment? | Yes |
| Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application? | No |
| Comments: | PARTICULATE/FINES FROM THE BAGHOUSE (CD1003) ARE AIR CONVEYED TO FINES SILO THROUGH HARD PIPING WITH AN AIR LOCK. FINES FROM THE SILO ARE THEN SCREW FED INTO THE PUGMILL (E1012) |

**19031 BAYSHORE RECYCLING CORP BOP190001 E38 (Manufacturing and Materials Handling Equipment)**
**Print Date: 12/27/2024**

| | |
|---|---|
| Make: | GENERIC CONVEYOR |
| Manufacturer: | N/A |
| Model: | GENERIC CONVEYOR |
| Type of Manufacturing and Materials Handling Equipment: | COLLECTING CONVEYOR |
| Capacity: | 1.50E+02 |
| Units: | other units |
| Description (if other): | TONS/HR |
| Have you attached a diagram showing the location and/or the configuration of this equipment? | Yes |
| Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application? | No |
| Comments: | THE CONVEYOR IS UNDER THE GRIZZLY SCREEN. IT IS LOCATED INSIDE A BUILDING AND IS POWERED BY ELECTRICITY. |

**19031 BAYSHORE RECYCLING CORP BOP190001 E40 (Manufacturing and Materials Handling Equipment)**
**Print Date: 12/27/2024**

| | |
|---|---|
| Make: | Custom |
| Manufacturer: | Custom |
| Model: | Custom |
| Type of Manufacturing and Materials Handling Equipment: | Tipping Floor |
| Capacity: | 1.00E+03 |
| Units: | other units |
| Description (if other): | tons per day |
| 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: | Solid Waste Transfer Station |

**19031 BAYSHORE RECYCLING CORP BOP190001 E41 (Manufacturing and Materials Handling Equipment)**
**Print Date: 12/27/2024**

| | |
|---|---|
| Make: | RCY |
| Manufacturer: | RCY |
| Model: | RCY |
| Type of Manufacturing and Materials Handling Equipment: | MAGNETIC SEPARATOR |
| Capacity: | 1.00E+03 |
| Units: | other units |
| Description (if other): | TON/DAY |
| 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? | Yes |
| Comments: | |

**19031 BAYSHORE RECYCLING CORP BOP190001 E42 (Manufacturing and Materials Handling Equipment)**
**Print Date: 12/27/2024**

| | |
|---|---|
| Make: | EXTEC |
| Manufacturer: | EXTEC |
| Model: | 30 |
| Type of Manufacturing and Materials Handling Equipment: | TROMMEL |
| Capacity: | 1.00E+03 |
| Units: | other units |
| Description (if other): | TON/DAY |
| 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? | Yes |
| Comments: | |

**19031 BAYSHORE RECYCLING CORP BOP190001 E43 (Manufacturing and Materials Handling Equipment)**
**Print Date: 12/27/2024**

| | |
|---|---|
| Make: | KOMPTECH |
| Manufacturer: | KOMPTECH |
| Model: | 6000 |
| Type of Manufacturing and Materials Handling Equipment: | SHREDDER FOR SOLID WASTE |
| Capacity: | 1.00E+03 |
| Units: | other units |
| Description (if other): | TON/DAY |
| 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? | Yes |
| Comments: | Shredder is driven by Cat C18 Lean-Burn CI RICE, 575 HP, EPA Tier 3 Diesel Engine. |

**19031 BAYSHORE RECYCLING CORP BOP190001 E45 (Boiler)**
**Print Date: 12/27/2024**

| | |
|---|---|
| Make: | CLEAVER BROOKS |
| Manufacturer: | CLEAVER BROOKS |
| Model: | CBLE-350-15ST |
| Maximum Rated Gross Heat Input (MMBtu/hr - HHV): | 14.29 |
| Boiler Type: | Package |
| Utility Type: | Non-Utility |
| Output Type: | Steam Only |
| Steam Output (lb/hr): | |
| Fuel Firing Method: | Conical burners |
| Description (if other): | |
| Draft Type: | Forced |
| Heat Exchange Type: | Indirect |

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

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

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

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

Comments:

**19031 BAYSHORE RECYCLING CORP BOP190001 E46 (Manufacturing and Materials Handling Equipment)**
**Print Date: 12/27/2024**

| | |
|---|---|
| Make: | |
| Manufacturer: | Edge |
| Model: | TS80 |
| Type of Manufacturing and Materials Handling Equipment: | Conveyor |
| Capacity: | 1.00E+03 |
| Units: | other units |
| Description (if other): | Maximum tons/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? | Yes |
| Comments: | 2014 portable conveyor with an insignificant source diesel engine that can be moved around the site |

**19031 BAYSHORE RECYCLING CORP BOP190001 E47 (Other Equipment)**
**Print Date: 12/27/2024**

| | |
|---|---|
| Make: | |
| Manufacturer: | Extec/Sandvik |
| Model: | QJ340 |
| Equipment Type: | 2011 Portable Crusher with conveyor and insignificant source diesel engine |
| Capacity: | 400.00 |
| Units: | other units |
| Description: | metric tons/hour |

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: This is a mobil crusher that is moved around the site as needed

**19031 BAYSHORE RECYCLING CORP BOP190001 E49 (Other Equipment)**
**Print Date: 12/27/2024**

| | |
|---|---|
| Make: | |
| Manufacturer: | Extec/Sandvik |
| Model: | QE440 |
| Equipment Type: | 2012 Portable Extec/Sandvik screener with three conveyors and diesel engine |
| Capacity: | 440.00 |
| Units: | tons/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:

**19031 BAYSHORE RECYCLING CORP BOP190001 E50 (Other Equipment)**
**Print Date: 12/27/2024**

| | |
|---|---|
| Make: | |
| Manufacturer: | Extec/Sandvik |
| Model: | QE440 |
| Equipment Type: | 2014 Portable Extec/Sandvik screener with three conveyors and diesel engine |
| Capacity: | 440.00 |
| Units: | tons/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:

**19031 BAYSHORE RECYCLING CORP BOP190001 E52 (Other Equipment)**
**Print Date: 12/27/2024**

| | |
|---|---|
| Make: | |
| Manufacturer: | McCloskey |
| Model: | R230 |
| Equipment Type: | 2015 McCloskey portable screener with conveyor and diesel engine |
| Capacity: | 400.00 |
| Units: | tons/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:

**19031 BAYSHORE RECYCLING CORP BOP190001 E53 (Other Equipment)**
**Print Date: 12/27/2024**

| | |
|---|---|
| Make: | Maren |
| Manufacturer: | Maren Baler |
| Model: | 203 Series |
| Equipment Type: | Bale tier 5 wire tie automatic |
| Capacity: | 30,000.00 |
| Units: | lb |
| 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:

**19031 BAYSHORE RECYCLING CORP BOP190001 E54 (Other Equipment)**
**Print Date: 12/27/2024**

| | |
|---|---|
| Make: | American Baler |
| Manufacturer: | American Baler |
| Model: | |
| Equipment Type: | Expanded bale size: 30"W X 43' H X var L |
| Capacity: | 15.00 |
| Units: | tons/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:

**19031 BAYSHORE RECYCLING CORP BOP190001 E56 (Manufacturing and Materials Handling Equipment)**
**Print Date: 12/27/2024**

| | |
|---|---|
| Make: | Sandvik |
| Manufacturer: | Sandvik |
| Model: | QE441 |
| Type of Manufacturing and Materials Handling Equipment: | Conveyor |
| Capacity: | 4.00E+01 |
| Units: | other units |
| Description (if other): | TON/HR |
| Have you attached a diagram showing the location and/or the configuration of this equipment? | No |
| Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application? | Yes |
| Comments: | |

**19031 BAYSHORE RECYCLING CORP BOP190001 E57 (Manufacturing and Materials Handling Equipment)**
**Print Date: 12/27/2024**

| | |
|---|---|
| Make: | Metso |
| Manufacturer: | Metso |
| Model: | S2 |
| Type of Manufacturing and Materials Handling Equipment: | Screener |
| Capacity: | 5.00E+01 |
| Units: | other units |
| Description (if other): | TONS/HR |
| Have you attached a diagram showing the location and/or the configuration of this equipment? | No |
| Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application? | Yes |
| Comments: | |

**19031 BAYSHORE RECYCLING CORP BOP190001 E58 (Manufacturing and Materials Handling Equipment)**
**Print Date: 12/27/2024**

| | |
|---|---|
| Make: | McCloskey |
| Manufacturer: | McCloskey |
| Model: | R155 |
| Type of Manufacturing and Materials Handling Equipment: | Screener |
| Capacity: | 5.00E+01 |
| Units: | other units |
| Description (if other): | TONS/HR |
| Have you attached a diagram showing the location and/or the configuration of this equipment? | No |
| Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application? | Yes |
| Comments: | |

**19031 BAYSHORE RECYCLING CORP BOP190001 E59 (Manufacturing and Materials Handling Equipment)**
**Print Date: 12/27/2024**

| | |
|---|---|
| Make: | Edge |
| Manufacturer: | Edge |
| Model: | 50 ft |
| Type of Manufacturing and Materials Handling Equipment: | Conveyor |
| Capacity: | 5.00E+01 |
| Units: | other units |
| Description (if other): | TONS/HR |
| Have you attached a diagram showing the location and/or the configuration of this equipment? | No |
| Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application? | Yes |
| Comments: | |

**19031 BAYSHORE RECYCLING CORP BOP190001 E60 (Manufacturing and Materials Handling Equipment)**
**Print Date: 12/27/2024**

| | |
|---|---|
| Make: | Eagle |
| Manufacturer: | Eagle |
| Model: | 500-05 CVR |
| Type of Manufacturing and Materials Handling Equipment: | Crusher |
| Capacity: | 8.00E+01 |
| Units: | other units |
| Description (if other): | TONS/HR |
| Have you attached a diagram showing the location and/or the configuration of this equipment? | No |
| Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application? | Yes |
| Comments: | |

**19031 BAYSHORE RECYCLING CORP BOP190001 E61 (Other Equipment)**
**Print Date: 12/27/2024**

| | |
|---|---|
| Make: | Sandvik |
| Manufacturer: | Sandvik |
| Model: | QJ341+ |
| Equipment Type: | Sandvik Jaw Crusher with conveyor and 2018 CAT 350 HP engine |
| Capacity: | 385.00 |
| Units: | tons/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:

**19031 BAYSHORE RECYCLING CORP BOP190001 E62 (Other Equipment)**
**Print Date: 12/27/2024**

| | |
|---|---|
| Make: | Sandvik |
| Manufacturer: | Sandvik |
| Model: | QE442 |
| Equipment Type: | Sandvik screener with 2022 CAT 100 HP engine |
| Capacity: | 440.00 |
| Units: | tons/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:

**BAYSHORE RECYCLING CORP (19031)** Date: 6/19/2025

**BOP190001**

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

| CD NJID | Facility's Designation | Description | CD Type | Install Date | Grand-Fathered | Last Mod. (Since 1968) | CD Set ID |
|---|---|---|---|---|---|---|---|
| CD1 | Water Spray | Portable Water Spray System | Other | 7/15/2005 | No | 7/15/2005 | CS1 |
| CD2 | MRF2 | Particulate filter | Particulate Filter (Other) | 7/15/2005 | No | 7/15/2005 | CS1 |
| CD3 | MRF3 | Particulate filter | Particulate Filter (Other) | 7/15/2005 | No | 7/15/2005 | CS1 |
| CD4 | MRF4 | Particulate filter | Particulate Filter (Other) | 7/15/2005 | No | 7/15/2005 | CS1 |
| CD5 | MRF5 | Particulate filter | Particulate Filter (Other) | 7/15/2005 | No | 7/15/2005 | CS1 |
| CD6 | MRF6 | Particulatefilter | Particulate Filter (Other) | 7/15/2005 | No | 7/15/2005 | CS1 |
| CD7 | MRF7 | Particulate filter | Particulate Filter (Other) | 7/15/2005 | No | 7/15/2005 | CS1 |
| CD9 | BSM1 | Thermal Oxidizer | Oxidizer (Thermal) | 4/1/2005 | No | 4/1/2005 | |
| CD10 | BSM2 | Baghouse | Particulate Filter (Baghouse) | 4/1/2005 | No | 4/1/2005 | |
| CD11 | BSM3 | Carbon Injection | Other | 4/1/2005 | No | 4/1/2005 | |

**19031 BAYSHORE RECYCLING CORP BOP190001 CD2 (Particulate Filter (Other))**
**Print Date: 12/27/2024**

| | |
|---|---|
| Make: | Trap-IT 400 Series |
| Manufacturer: | Trap-IT Filtration |
| Model: | 252315 |
| Filter Description: | Graduated Density Dracon-Polyester Dry Filter |
| Total Filter Area ($ft^2$): | 168.00 |
| Maximum Design Temperature Capability (°F): | 212.0 |
| Maximum Design Air Flow Rate (acfm): | 14,175.0 |
| Maximum Air Flow Rate to Filter Area Ratio: | 84.400 |
| Minimum Operating Pressure Drop (in. H2O): | 0.44 |
| Maximum Operating Pressure Drop (in. H2O): | 1.32 |
| Maximum Inlet Temperature (°F): | 120.0 |
| Maximum Operating Exhuast Gas Flow Rate (acfm): | 14,175.0 |
| Method for Determining When Filter Replacement is Required: | Monitor Static Pressure Drop Gauges |
| Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources): | 7 |
| Alternative Method to Demonstrate Control Apparatus is Operating Properly: | Visual |
| Have you attached a Particle Size Distribution Analysis? | ○ Yes ● No |
| Have you attached data from recent performance testing? | ○ Yes ● No |
| Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus? | ○ Yes ● No |
| Have you attached a diagram showing the location and/or configuration of this control apparatus? | ○ Yes ● No |
| Comments: | |

**19031 BAYSHORE RECYCLING CORP BOP190001 CD2 (Particulate Filter (Other))**
**Print Date: 12/27/2024**

**19031 BAYSHORE RECYCLING CORP BOP190001 CD3 (Particulate Filter (Other))**
**Print Date: 12/27/2024**

| | |
|---|---|
| Make: | Trap-IT 400 Series |
| Manufacturer: | Trap-IT Filtration |
| Model: | 252315 |
| Filter Description: | Graduated Density Dracon-Polyester Dry Filter |
| Total Filter Area ($ft^2$): | 168.00 |
| Maximum Design Temperature Capability (°F): | 212.0 |
| Maximum Design Air Flow Rate (acfm): | 14,175.0 |
| Maximum Air Flow Rate to Filter Area Ratio: | 84.400 |
| Minimum Operating Pressure Drop (in. H2O): | 0.44 |
| Maximum Operating Pressure Drop (in. H2O): | 1.32 |
| Maximum Inlet Temperature (°F): | 120.0 |
| Maximum Operating Exhuast Gas Flow Rate (acfm): | 14,175.0 |
| Method for Determining When Filter Replacement is Required: | Monitor Static Pressure Drop Gauges |
| Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources): | 7 |
| Alternative Method to Demonstrate Control Apparatus is Operating Properly: | Visual |
| Have you attached a Particle Size Distribution Analysis? | ○ Yes ● No |
| Have you attached data from recent performance testing? | ○ Yes ● No |
| Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus? | ○ Yes ● No |
| Have you attached a diagram showing the location and/or configuration of this control apparatus? | ○ Yes ● No |
| Comments: | |

**19031 BAYSHORE RECYCLING CORP BOP190001 CD3 (Particulate Filter (Other))**
**Print Date: 12/27/2024**

**19031 BAYSHORE RECYCLING CORP BOP190001 CD4 (Particulate Filter (Other))**
**Print Date: 12/27/2024**

| | |
|---|---|
| Make: | Trap-IT 400 Series |
| Manufacturer: | Trap-IT Filtration |
| Model: | 252315 |
| Filter Description: | Graduated Density Dracon-Polyester Dry Filter |
| Total Filter Area ($ft^2$): | 168.00 |
| Maximum Design Temperature Capability (°F): | 212.0 |
| Maximum Design Air Flow Rate (acfm): | 14,175.0 |
| Maximum Air Flow Rate to Filter Area Ratio: | 84.400 |
| Minimum Operating Pressure Drop (in. H2O): | 0.44 |
| Maximum Operating Pressure Drop (in. H2O): | 1.32 |
| Maximum Inlet Temperature (°F): | 120.0 |
| Maximum Operating Exhuast Gas Flow Rate (acfm): | 14,175.0 |
| Method for Determining When Filter Replacement is Required: | Monitor Static Pressure Drop Gauges |
| Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources): | 7 |
| Alternative Method to Demonstrate Control Apparatus is Operating Properly: | Visual |
| Have you attached a Particle Size Distribution Analysis? | ○ Yes ● No |
| Have you attached data from recent performance testing? | ○ Yes ● No |
| Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus? | ○ Yes ● No |
| Have you attached a diagram showing the location and/or configuration of this control apparatus? | ○ Yes ● No |
| Comments: | |

**19031 BAYSHORE RECYCLING CORP BOP190001 CD4 (Particulate Filter (Other))**
**Print Date: 12/27/2024**

**19031 BAYSHORE RECYCLING CORP BOP190001 CD5 (Particulate Filter (Other))**
**Print Date: 12/27/2024**

| | |
|---|---|
| Make: | Trap-IT 400 Series |
| Manufacturer: | Trap-IT Filtration |
| Model: | 252315 |
| Filter Description: | Graduated Density Dracon-Polyester Dry Filter |
| Total Filter Area ($ft^2$): | 168.00 |
| Maximum Design Temperature Capability (°F): | 212.0 |
| Maximum Design Air Flow Rate (acfm): | 14,175.0 |
| Maximum Air Flow Rate to Filter Area Ratio: | 84.400 |
| Minimum Operating Pressure Drop (in. H2O): | 0.44 |
| Maximum Operating Pressure Drop (in. H2O): | 1.32 |
| Maximum Inlet Temperature (°F): | 120.0 |
| Maximum Operating Exhuast Gas Flow Rate (acfm): | 14,175.0 |
| Method for Determining When Filter Replacement is Required: | Monitor Static Pressure Drop Gauges |
| Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources): | 7 |
| Alternative Method to Demonstrate Control Apparatus is Operating Properly: | Visual |
| Have you attached a Particle Size Distribution Analysis? | ○ Yes ● No |
| Have you attached data from recent performance testing? | ○ Yes ● No |
| Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus? | ○ Yes ● No |
| Have you attached a diagram showing the location and/or configuration of this control apparatus? | ○ Yes ● No |
| Comments: | |

**19031 BAYSHORE RECYCLING CORP BOP190001 CD5 (Particulate Filter (Other))**
**Print Date: 12/27/2024**

**19031 BAYSHORE RECYCLING CORP BOP190001 CD6 (Particulate Filter (Other))**
**Print Date: 12/27/2024**

| | |
|---|---|
| Make: | Trap-IT 400 Series |
| Manufacturer: | Trap-IT Filtration |
| Model: | 252315 |
| Filter Description: | Graduated Density Dracon-Polyester Dry Filter |
| Total Filter Area ($ft^2$): | 168.00 |
| Maximum Design Temperature Capability (°F): | 212.0 |
| Maximum Design Air Flow Rate (acfm): | 14,175.0 |
| Maximum Air Flow Rate to Filter Area Ratio: | 84.400 |
| Minimum Operating Pressure Drop (in. H2O): | 0.44 |
| Maximum Operating Pressure Drop (in. H2O): | 1.32 |
| Maximum Inlet Temperature (°F): | 120.0 |
| Maximum Operating Exhuast Gas Flow Rate (acfm): | 14,175.0 |
| Method for Determining When Filter Replacement is Required: | Monitor Static Pressure Drop Gauges |
| Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources): | 7 |
| Alternative Method to Demonstrate Control Apparatus is Operating Properly: | Visual |
| Have you attached a Particle Size Distribution Analysis? | ○ Yes ● No |
| Have you attached data from recent performance testing? | ○ Yes ● No |
| Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus? | ○ Yes ● No |
| Have you attached a diagram showing the location and/or configuration of this control apparatus? | ○ Yes ● No |
| Comments: | |

**19031 BAYSHORE RECYCLING CORP BOP190001 CD6 (Particulate Filter (Other))**
**Print Date: 12/27/2024**

**19031 BAYSHORE RECYCLING CORP BOP190001 CD7 (Particulate Filter (Other))**
**Print Date: 12/27/2024**

| | |
|---|---|
| Make: | Trap-IT 400 Series |
| Manufacturer: | Trap-IT Filtration |
| Model: | 252315 |
| Filter Description: | Graduated Density Dracon-Polyester Dry Filter |
| Total Filter Area ($ft^2$): | 168.00 |
| Maximum Design Temperature Capability (°F): | 212.0 |
| Maximum Design Air Flow Rate (acfm): | 14,175.0 |
| Maximum Air Flow Rate to Filter Area Ratio: | 84.400 |
| Minimum Operating Pressure Drop (in. H2O): | 0.44 |
| Maximum Operating Pressure Drop (in. H2O): | 1.32 |
| Maximum Inlet Temperature (°F): | 120.0 |
| Maximum Operating Exhuast Gas Flow Rate (acfm): | 14,175.0 |
| Method for Determining When Filter Replacement is Required: | Monitor Static Pressure Drop Gauges |
| Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources): | 7 |
| Alternative Method to Demonstrate Control Apparatus is Operating Properly: | Visual |
| Have you attached a Particle Size Distribution Analysis? | ○ Yes ● No |
| Have you attached data from recent performance testing? | ○ Yes ● No |
| Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus? | ○ Yes ● No |
| Have you attached a diagram showing the location and/or configuration of this control apparatus? | ○ Yes ● No |
| Comments: | |

**19031 BAYSHORE RECYCLING CORP BOP190001 CD7 (Particulate Filter (Other))**
**Print Date: 12/27/2024**

**19031 BAYSHORE RECYCLING CORP BOP190001 CD9 (Oxidizer (Thermal))**
**Print Date: 12/27/2024**

| | |
|---|---|
| Make: | Tarmac |
| Manufacturer: | Tarmac |
| Model: | T328 |
| Minimum Chamber Temperature (°F): | 1800 |
| Minimum Residence Time (sec): | 2 |
| Fuel Type: | Natural gas |
| Description: | |
| Maximum Rated Gross Heat Input (MMBtu/hr): | 40 |
| Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources): | 1 |
| Alternative Method to Demonstrate Control Apparatus is Operating Properly: | NONE |
| Have you attached data from recent performance testing? | ○ Yes ● No |
| Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus? | ○ Yes ● No |
| Have you attached a diagram showing the location and/or configuration of this control apparatus? | ○ Yes ● No |
| Comments: | NONE |

**19031 BAYSHORE RECYCLING CORP BOP190001 CD10 (Particulate Filter (Baghouse))**
**Print Date: 12/27/2024**

| | |
|---|---|
| Make: | ASTEC/SPI |
| Manufacturer: | ASTEC-SPI |
| Model: | PBH-56:SR |
| Number of Bags: | |
| Size of Bags ($ft^2$): | 3.85 |
| Total Bag Area ($ft^2$): | 13,900.0 |
| Bag Fabric: | ARAMID FIBER NOMEX BAGS OR |
| Fabric Weight ($oz/ft^2$): | 2.44 |
| Fabric Weave: | WOVEN FABRIC |
| Fabric Finish: | ARAMID FIBER NOMEX BAGS OR |
| Maximum Design Temperature Capability (°F): | 500.0 |
| Maximum Design Air Flow Rate (acfm): | 56,000.0 |
| Draft Type: | Induced |
| Maximum Air Flow Rate to Cloth Area Ratio: | 4.00 |
| Minimum Operating Pressure Drop (in. H2O): | 1.00 |
| Maximum Operating Pressure Drop (in. H2O): | 8.00 |
| Method of Monitoring Pressure Drop: | DIFFERENTIAL PRESSURE METER |
| Maximum Inlet Temperature (°F): | 450.0 |
| Minimum Inlet Temperature (°F): | 250.0 |
| Dew Point of Gas Stream Maximum Inlet Temperature (°F): | |
| Maximum Operating Exhuast Gas Flow Rate (acfm): | 56,000.0 |
| Maximum Inlet Gas Stream Moisture Content (%): | 50.00 |
| Method for Determining When Bag Replacement is Required: | BLACK LIGHT TEST |
| Method for Determining When Cleaning is Required: | DIFFERENTIAL PRESSURE |
| Method of Bag Cleaning: | Pulse Jet |
| Description: | |
| Is Bag Cleaning Conducted On-Line? | (●) Yes ( ) No |
| Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources): | 1 |
| Alternative Method to Demonstrate Control Apparatus is Operating Properly: | NONE |
| Have you attached a Particle Size Distribution Analysis? | ( ) Yes (●) No |

**19031 BAYSHORE RECYCLING CORP BOP190001 CD10 (Particulate Filter (Baghouse))**
**Print Date: 12/27/2024**

| | |
|---|---|
| Have you attached data from recent performance testing? | ○ Yes ● No |
| Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus? | ○ Yes ● No |
| Have you attached a diagram showing the location and/or configuration of this control apparatus? | ○ Yes ● No |
| Comments: | Number of Bags: 1152 |

**19031 BAYSHORE RECYCLING CORP BOP190001 CD11 (Other)**
**Print Date: 12/27/2024**

| | |
|---|---|
| Make: | |
| Manufacturer: | |
| Model: | |
| Maximum Air Flow Rate to Control Device (acfm): | 56000 |
| Maximum Temperature of Vapor Stream to Control Device (°F): | 450 |
| Minimum Temperature of Vapor Stream to Control Device (°F): | 70 |
| Minimum Moisture Content of Vapor Stream to Control Device (%): | 50 |
| Minimum Pressure Drop Across Control Device (in. H20): | 0.01 |
| Maximum Pressure Drop Across Control Device (in. H20): | 8 |
| Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources): | 1 |
| Alternative Method to Demonstrate Control Apparatus is Operating Properly: | Y |
| Have you attached data from recent performance testing? | ○ Yes ● No |
| Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus? | ○ Yes ● No |
| Have you attached a diagram showing the location and/or configuration of this control apparatus? | ● Yes ○ No |
| Comments: | CARBON INJECTION SYSTEM WILL INJECT CARBON AT A RATE OF APPROXIMATELY 2 LB/HR. INJECTION RATE WILL BE CONTROLLED AND MONITORED ELECTRONICALLY. THE INJECTION SYSTEM WILL HAVE AN AIR LOCK. |

**BAYSHORE RECYCLING CORP (19031)**
**BOP190001**

Date: 6/19/2025

## New Jersey Department of Environmental Protection
## Emission Points Inventory

| PT NJID | Facility's Designation | Description | Config. | Equiv. Diam. (in.) | Height (ft.) | Dist. to Prop. Line (ft) | Exhaust Temp. (deg. F) | | | Exhaust Vol. (acfm) | | | Discharge Direction | PT Set ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Avg. | Min. | Max. | Avg. | Min. | Max. | | |
| PT1 | Class B | No stack, ambient discharge | Surface | 999 | 15 | 300 | 70.0 | 0.0 | 100.0 | 1.0 | 0.0 | 3,000.0 | Up | |
| PT2 | BSM1 | BSM Soil Staging Bldg. | Rectangle | 12 | 40 | 100 | 70.0 | 70.0 | 70.0 | 10.0 | 0.0 | 10.0 | Up | |
| PT3 | BSM2 | BSM LTTD system | Round | 46 | 51 | 150 | 0.0 | 250.0 | 450.0 | 42,225.0 | 25,000.0 | 56,000.0 | Up | |
| PT4 | BRR Doors | Door Openings | Rectangle | 999 | 20 | 500 | 70.0 | 0.0 | 100.0 | 1.0 | 0.0 | 1.0 | Horizontal | PS 1 |
| PT5 | MRF2 | Roof exhaust | Round | 58 | 56 | 80 | 70.0 | 25.0 | 120.0 | 13,500.0 | 13,500.0 | 14,175.0 | Up | PS 1 |
| PT6 | MRF3 | Roof exhaust | Round | 58 | 56 | 154 | 70.0 | 25.0 | 120.0 | 13,500.0 | 13,500.0 | 14,175.0 | Up | PS 1 |
| PT7 | MRF4 | Roof exhaust | Round | 58 | 56 | 80 | 70.0 | 25.0 | 120.0 | 13,500.0 | 13,500.0 | 14,175.0 | Up | PS 1 |
| PT8 | MRF5 | Roof exhaust | Round | 58 | 56 | 154 | 70.0 | 25.0 | 120.0 | 13,500.0 | 13,500.0 | 14,175.0 | Up | PS 1 |
| PT9 | MRF6 | Roof exhaust | Round | 58 | 56 | 80 | 70.0 | 25.0 | 120.0 | 13,500.0 | 13,500.0 | 14,175.0 | Up | PS 1 |
| PT10 | MRF7 | Roof exhaust | Round | 58 | 56 | 154 | 70.0 | 25.0 | 120.0 | 13,500.0 | 13,500.0 | 14,175.0 | Up | PS 1 |
| PT12 | MRF9 | Mag Sep | Surface | 12 | 8 | 80 | 70.0 | 25.0 | 100.0 | 10.0 | 10.0 | 10.0 | Horizontal | PS 1 |
| PT13 | MRF10 | Trommel | Surface | 36 | 8 | 80 | 70.0 | 25.0 | 100.0 | 10.0 | 10.0 | 10.0 | Horizontal | PS 1 |
| PT14 | MRF11 | Shredder | Surface | 36 | 8 | 80 | 70.0 | 25.0 | 100.0 | 10.0 | 10.0 | 10.0 | Horizontal | PS 1 |
| PT15 | MRF12 | Shredder engine | Surface | 4 | 8 | 80 | 875.0 | 875.0 | 875.0 | 3,780.0 | 3,780.0 | 3,780.0 | Horizontal | PS 1 |
| PT16 | CO1 | Boiler | Round | 24 | 50 | 150 | 350.0 | 350.0 | 350.0 | 4,240.0 | 4,240.0 | 4,240.0 | Up | |

**BAYSHORE RECYCLING CORP (19031)**
**BOP190001**

Date: 6/19/2025

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

**U 1 TF1 Transfer Station**

| UOS NJID | Facility's Designation | UOS Description | Operation Type | Signif. Equip. | Control Device(s) | Emission Point(s) | SCC(s) | Annual Oper. Hours Min. | Annual Oper. Hours Max. | VOC Range | Flow (acfm) Min. | Flow (acfm) Max. | Temp. (deg F) Min. | Temp. (deg F) Max. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OS1 | TF1 | Transfer Station Floor | Normal - Steady State | E40 | CD2 (P)<br>CD3 (P)<br>CD4 (P)<br>CD5 (P)<br>CD6 (P)<br>CD7 (P) | PT10<br>PT4<br>PT5<br>PT6<br>PT7<br>PT8<br>PT9 | 3-99-999-99 | 5,000.0 | 8,760.0 | | | 108,000.0 | 25.0 | 120.0 |

**U 2 TF2 Magnetic Separator**

| UOS NJID | Facility's Designation | UOS Description | Operation Type | Signif. Equip. | Control Device(s) | Emission Point(s) | SCC(s) | Annual Oper. Hours Min. | Annual Oper. Hours Max. | VOC Range | Flow (acfm) Min. | Flow (acfm) Max. | Temp. (deg F) Min. | Temp. (deg F) Max. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OS1 | TF2 | Magnetic Separator | Normal - Steady State | E41 | CD2 (P)<br>CD3 (P)<br>CD4 (P)<br>CD5 (P)<br>CD6 (P)<br>CD7 (P) | PT12 | 3-99-999-99 | 3,120.0 | 3,120.0 | | 10.0 | 10.0 | 20.0 | 100.0 |

**BAYSHORE RECYCLING CORP (19031)**
**BOP190001**

Date: 6/19/2025

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

**U 3 TF3 Trommel**

| UOS NJID | Facility's Designation | UOS Description | Operation Type | Signif. Equip. | Control Device(s) | Emission Point(s) | SCC(s) | Annual Oper. Hours Min. | Annual Oper. Hours Max. | VOC Range | Flow (acfm) Min. | Flow (acfm) Max. | Temp. (deg F) Min. | Temp. (deg F) Max. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OS1 | TF3 | Trommel in MRF | Normal - Steady State | E42 | CD2 (P)<br>CD3 (P)<br>CD4 (P)<br>CD5 (P)<br>CD6 (P)<br>CD7 (P) | PT13 | 3-99-999-99 | 3,120.0 | 3,120.0 | | 10.0 | 10.0 | 20.0 | 100.0 |

**U 4 TF4 Shredder**

| UOS NJID | Facility's Designation | UOS Description | Operation Type | Signif. Equip. | Control Device(s) | Emission Point(s) | SCC(s) | Annual Oper. Hours Min. | Annual Oper. Hours Max. | VOC Range | Flow (acfm) Min. | Flow (acfm) Max. | Temp. (deg F) Min. | Temp. (deg F) Max. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OS1 | TF4 | Shredder in MRF | Normal - Steady State | E43 | CD2 (P)<br>CD3 (P)<br>CD4 (P)<br>CD5 (P)<br>CD6 (P)<br>CD7 (P) | PT14 | 3-99-999-99 | 2,057.0 | 2,057.0 | | 10.0 | 10.0 | 20.0 | 100.0 |

**BAYSHORE RECYCLING CORP (19031)**
**BOP190001**

Date: 6/19/2025

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

**U 5 E50 Screener E8-2 Portable Screener**

| UOS NJID | Facility's Designation | UOS Description | Operation Type | Signif. Equip. | Control Device(s) | Emission Point(s) | SCC(s) | Annual Oper. Hours Min. | Annual Oper. Hours Max. | VOC Range | Flow (acfm) Min. | Flow (acfm) Max. | Temp. (deg F) Min. | Temp. (deg F) Max. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OS1 | E8-2 | E8-2 Portable Screener | Normal - Steady State | E50 | | | | 0.0 | 3,000.0 | | | | 0.0 | 100.0 |

**U 6 MRF1 Sorting Line Conveyor**

| UOS NJID | Facility's Designation | UOS Description | Operation Type | Signif. Equip. | Control Device(s) | Emission Point(s) | SCC(s) | Annual Oper. Hours Min. | Annual Oper. Hours Max. | VOC Range | Flow (acfm) Min. | Flow (acfm) Max. | Temp. (deg F) Min. | Temp. (deg F) Max. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OS1 | MRF1 | Sorting Line Conveyor | Normal - Steady State | E14 | CD1 (P)<br>CD2 (P)<br>CD3 (P)<br>CD4 (P)<br>CD5 (P)<br>CD6 (P)<br>CD7 (P) | PT12<br>PT13<br>PT14<br>PT15<br>PT4<br>PT5<br>PT6<br>PT7<br>PT8 | 3-99-999-99 | 0.0 | 8,760.0 | | 108,000.0 | 113,400.0 | 0.0 | 100.0 |

**BAYSHORE RECYCLING CORP (19031)**
**BOP190001**

Date: 6/19/2025

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

**U 7 MRF2 Electric Wood Grinder**

| UOS NJID | Facility's Designation | UOS Description | Operation Type | Signif. Equip. | Control Device(s) | Emission Point(s) | SCC(s) | Annual Oper. Hours Min. | Annual Oper. Hours Max. | VOC Range | Flow (acfm) Min. | Flow (acfm) Max. | Temp. (deg F) Min. | Temp. (deg F) Max. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OS1 | MRF2 | Electric Wood Grinder | Normal - Steady State | E15 | CD1 (P)<br>CD2 (P)<br>CD3 (P)<br>CD4 (P)<br>CD5 (P)<br>CD6 (P)<br>CD7 (P) | PT10<br>PT12<br>PT13<br>PT14<br>PT15<br>PT4<br>PT5<br>PT6<br>PT7<br>PT8<br>PT9 | 3-99-999-99 | 0.0 | 8,760.0 | | 108,000.0 | 113,400.0 | 0.0 | 100.0 |

**BAYSHORE RECYCLING CORP (19031)**
**BOP190001**

Date: 6/19/2025

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

**U 8 MRF3 Electric Screener 1**

| UOS NJID | Facility's Designation | UOS Description | Operation Type | Signif. Equip. | Control Device(s) | Emission Point(s) | SCC(s) | Annual Oper. Hours Min. | Annual Oper. Hours Max. | VOC Range | Flow (acfm) Min. | Flow (acfm) Max. | Temp. (deg F) Min. | Temp. (deg F) Max. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OS1 | MRF3 | Electric Screener 1 | Normal - Steady State | E16 | CD1 (P)<br>CD2 (P)<br>CD3 (P)<br>CD4 (P)<br>CD5 (P)<br>CD6 (P)<br>CD7 (P) | PT10<br>PT12<br>PT13<br>PT14<br>PT15<br>PT4<br>PT5<br>PT6<br>PT7<br>PT8<br>PT9 | 3-99-999-99 | 0.0 | 8,760.0 | | 108,000.0 | 113,400.0 | 0.0 | 100.0 |

**BAYSHORE RECYCLING CORP (19031)**
**BOP190001**

Date: 6/19/2025

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

**U 9 MRF4 Electric Screener 2**

| UOS NJID | Facility's Designation | UOS Description | Operation Type | Signif. Equip. | Control Device(s) | Emission Point(s) | SCC(s) | Annual Oper. Hours Min. | Annual Oper. Hours Max. | VOC Range | Flow (acfm) Min. | Flow (acfm) Max. | Temp. (deg F) Min. | Temp. (deg F) Max. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OS1 | MRF4 | Electric Screener 2 | Normal - Steady State | E17 | CD1 (P)<br>CD2 (P)<br>CD3 (P)<br>CD4 (P)<br>CD5 (P)<br>CD6 (P)<br>CD7 (P) | PT10<br>PT12<br>PT13<br>PT14<br>PT15<br>PT4<br>PT5<br>PT6<br>PT7<br>PT8<br>PT9 | 3-99-999-99 | 0.0 | 8,760.0 | | 0.0 | 100.0 | 0.0 | 70.0 |

**BAYSHORE RECYCLING CORP (19031)**
**BOP190001**

Date: 6/19/2025

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

**U 10 MRF5 Electric Screener 3**

| UOS NJID | Facility's Designation | UOS Description | Operation Type | Signif. Equip. | Control Device(s) | Emission Point(s) | SCC(s) | Annual Oper. Hours Min. | Annual Oper. Hours Max. | VOC Range | Flow (acfm) Min. | Flow (acfm) Max. | Temp. (deg F) Min. | Temp. (deg F) Max. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OS1 | MRF5 | Electric Screener 3 | Normal - Steady State | E18 | CD1 (P)<br>CD2 (P)<br>CD3 (P)<br>CD4 (P)<br>CD5 (P)<br>CD6 (P)<br>CD7 (P) | PT10<br>PT12<br>PT13<br>PT14<br>PT15<br>PT4<br>PT5<br>PT6<br>PT7<br>PT8<br>PT9 | 3-99-999-99 | 0.0 | 8,760.0 | | 108,000.0 | 113,400.0 | 0.0 | 100.0 |

**BAYSHORE RECYCLING CORP (19031)**
**BOP190001**

Date: 6/19/2025

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

**U 11 MRF6 Electric destoner**

| UOS NJID | Facility's Designation | UOS Description | Operation Type | Signif. Equip. | Control Device(s) | Emission Point(s) | SCC(s) | Annual Oper. Hours Min. | Annual Oper. Hours Max. | VOC Range | Flow (acfm) Min. | Flow (acfm) Max. | Temp. (deg F) Min. | Temp. (deg F) Max. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OS1 | MRF6 | Electric destoner | Normal - Steady State | E19 | CD1 (P)<br>CD2 (P)<br>CD3 (P)<br>CD4 (P)<br>CD5 (P)<br>CD6 (P)<br>CD7 (P) | PT10<br>PT12<br>PT13<br>PT14<br>PT15<br>PT4<br>PT5<br>PT6<br>PT7<br>PT8<br>PT9 | 3-99-999-99 | 0.0 | 8,760.0 | | 0.0 | 100.0 | 0.0 | 70.0 |

**BAYSHORE RECYCLING CORP (19031)**
**BOP190001**

Date: 6/19/2025

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

### U 12 MRF7 Electric magnetic separator

| UOS NJID | Facility's Designation | UOS Description | Operation Type | Signif. Equip. | Control Device(s) | Emission Point(s) | SCC(s) | Annual Oper. Hours Min. | Annual Oper. Hours Max. | VOC Range | Flow (acfm) Min. | Flow (acfm) Max. | Temp. (deg F) Min. | Temp. (deg F) Max. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OS1 | MRF7 | Electric magnetic separator | Normal - Steady State | E20 | CD1 (P)<br>CD2 (P)<br>CD3 (P)<br>CD4 (P)<br>CD5 (P)<br>CD6 (P)<br>CD7 (P) | PT10<br>PT12<br>PT13<br>PT14<br>PT15<br>PT4<br>PT5<br>PT6<br>PT7<br>PT8<br>PT9 | 3-99-999-99 | 0.0 | 8,760.0 | | 0.0 | 100.0 | 0.0 | 70.0 |

### U 13 CB1 Class B Facility equipment

| UOS NJID | Facility's Designation | UOS Description | Operation Type | Signif. Equip. | Control Device(s) | Emission Point(s) | SCC(s) | Annual Oper. Hours Min. | Annual Oper. Hours Max. | VOC Range | Flow (acfm) Min. | Flow (acfm) Max. | Temp. (deg F) Min. | Temp. (deg F) Max. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OS1 | CB1 | Mobile screener 1 | Normal - Steady State | E1 | | PT1 | 3-99-999-99 | 0.0 | 2,000.0 | | 0.0 | 0.0 | 20.0 | 100.0 |
| OS2 | CB 2 | Stationary electric crusher 1 | Normal - Steady State | E2 | | PT1 | 3-99-999-99 | 0.0 | 2,600.0 | | 0.0 | 0.0 | 20.0 | 100.0 |
| OS3 | CB 3 | Mobile crusher with conveyor 1 | Normal - Steady State | E3 | | PT1 | | 0.0 | 1,040.0 | | 0.0 | 0.0 | 20.0 | 100.0 |

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

**U 13 CB1 Class B Facility equipment**

| UOS NJID | Facility's Designation | UOS Description | Operation Type | Signif. Equip. | Control Device(s) | Emission Point(s) | SCC(s) | Annual Oper. Hours Min. | Annual Oper. Hours Max. | VOC Range | Flow (acfm) Min. | Flow (acfm) Max. | Temp. (deg F) Min. | Temp. (deg F) Max. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OS4 | CB 4 | Stationary electric crusher 2 | Normal - Steady State | E4 | | PT1 | 3-99-999-99 | 0.0 | 2,600.0 | | 0.0 | 0.0 | 20.0 | 100.0 |
| OS5 | CB 5 | Stationary electric screener 1 | Normal - Steady State | E5 | | PT1 | 3-99-999-99 | 0.0 | 2,600.0 | | 0.0 | 0.0 | 20.0 | 100.0 |
| OS6 | CB 6 | Mobile crusher 1 | Normal - Steady State | E6 | | PT1 | | 0.0 | 1,040.0 | | 0.0 | 0.0 | 20.0 | 100.0 |
| OS7 | CB 7 | Mobile screener 2 | Normal - Steady State | E56 | | PT1 | 3-99-999-99 | 0.0 | 500.0 | | 0.0 | 0.0 | 20.0 | 100.0 |
| OS8 | CB 8 | Mobile screener 3 | Normal - Steady State | E57 | | PT1 | 3-99-999-99 | 0.0 | 2,000.0 | | 0.0 | 0.0 | 20.0 | 100.0 |
| OS9 | CB 9 | Mobile screener 4 | Normal - Steady State | E58 | | PT1 | 3-99-999-99 | 0.0 | 2,000.0 | | 0.0 | 0.0 | 20.0 | 100.0 |
| OS10 | CB 10 | Mobile conveyor 2 | Normal - Steady State | E59 | | PT1 | | 0.0 | 500.0 | | 0.0 | 0.0 | 20.0 | 100.0 |
| OS11 | CB 11 | Mobile conveyor 3 | Normal - Steady State | E11 | | PT1 | 3-99-999-99 | 0.0 | 2,000.0 | | 0.0 | 0.0 | 20.0 | 100.0 |
| OS12 | CB 12 | Mobile conveyor 4 | Normal - Steady State | E12 | | PT1 | | 0.0 | 2,000.0 | | 0.0 | 0.0 | 20.0 | 100.0 |
| OS13 | CB 13 | Mobile conveyor 5 | Normal - Steady State | E13 | | PT1 | 3-99-999-99 | 0.0 | 2,000.0 | | 0.0 | 0.0 | 20.0 | 100.0 |
| OS14 | CB 18 | Stationary electric crusher 3 | Normal - Steady State | E60 | | PT1 | | 0.0 | 2,600.0 | | 0.0 | 0.0 | 20.0 | 100.0 |

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**BOP190001**

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

**U 14 E46 TS 80 TS 80 Portable Stacker**

| UOS NJID | Facility's Designation | UOS Description | Operation Type | Signif. Equip. | Control Device(s) | Emission Point(s) | SCC(s) | Annual Oper. Hours Min. | Annual Oper. Hours Max. | VOC Range | Flow (acfm) Min. | Flow (acfm) Max. | Temp. (deg F) Min. | Temp. (deg F) Max. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OS1 | E46 | TS 80 Stacker Conveyor | Normal - Steady State | E46 | | PT1 | | 0.0 | 3,000.0 | | 0.0 | 0.0 | 0.0 | 100.0 |

**U 15 E47 QJ340 QJ 340 Portable Crusher**

| UOS NJID | Facility's Designation | UOS Description | Operation Type | Signif. Equip. | Control Device(s) | Emission Point(s) | SCC(s) | Annual Oper. Hours Min. | Annual Oper. Hours Max. | VOC Range | Flow (acfm) Min. | Flow (acfm) Max. | Temp. (deg F) Min. | Temp. (deg F) Max. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OS1 | E47 QJ340 | E47 QJ340 Conveyors | Normal - Steady State | E47 | | PT1 | | 0.0 | 3,000.0 | | 0.0 | 0.0 | 0.0 | 100.0 |

**BAYSHORE RECYCLING CORP (19031)**
**BOP190001**

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

**U 16 Crusher Portable Crusher**

| UOS NJID | Facility's Designation | UOS Description | Operation Type | Signif. Equip. | Control Device(s) | Emission Point(s) | SCC(s) | Annual Oper. Hours Min. | Annual Oper. Hours Max. | VOC Range | Flow (acfm) Min. | Flow (acfm) Max. | Temp. (deg F) Min. | Temp. (deg F) Max. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OS1 | Crusher | Portable Rock Crusher | Normal - Steady State | E61 | | PT1 | | 0.0 | 3,000.0 | | 10.0 | 10.0 | 0.0 | 100.0 |

**U 17 E49 Screener E8-1 Portable Screener**

| UOS NJID | Facility's Designation | UOS Description | Operation Type | Signif. Equip. | Control Device(s) | Emission Point(s) | SCC(s) | Annual Oper. Hours Min. | Annual Oper. Hours Max. | VOC Range | Flow (acfm) Min. | Flow (acfm) Max. | Temp. (deg F) Min. | Temp. (deg F) Max. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OS1 | E8-1 Screen | Portable Screener | Normal - Steady State | E49 | | PT1 | | 0.0 | 3,000.0 | | 10.0 | 10.0 | 0.0 | 100.0 |

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

**U 18 Screener Portable Screener**

| UOS NJID | Facility's Designation | UOS Description | Operation Type | Signif. Equip. | Control Device(s) | Emission Point(s) | SCC(s) | Annual Oper. Hours Min. | Annual Oper. Hours Max. | VOC Range | Flow (acfm) Min. | Flow (acfm) Max. | Temp. (deg F) Min. | Temp. (deg F) Max. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OS1 | Screener | Portable Screener | Normal - Steady State | E62 | | PT1 | | 0.0 | 3,000.0 | | 108,000.0 | 113,400.0 | 0.0 | 100.0 |

**U 19 E52 Screener McCloskey Portable Screener**

| UOS NJID | Facility's Designation | UOS Description | Operation Type | Signif. Equip. | Control Device(s) | Emission Point(s) | SCC(s) | Annual Oper. Hours Min. | Annual Oper. Hours Max. | VOC Range | Flow (acfm) Min. | Flow (acfm) Max. | Temp. (deg F) Min. | Temp. (deg F) Max. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OS1 | E51 Screener | E52 Portable Screener | Normal - Steady State | E52 | | PT1 | | 0.0 | 3,000.0 | | 108,000.0 | 113,400.0 | 0.0 | 100.0 |

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

**U 20 BRR1 Baler1**

| UOS NJID | Facility's Designation | UOS Description | Operation Type | Signif. Equip. | Control Device(s) | Emission Point(s) | SCC(s) | Annual Oper. Hours Min. | Annual Oper. Hours Max. | VOC Range | Flow (acfm) Min. | Flow (acfm) Max. | Temp. (deg F) Min. | Temp. (deg F) Max. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OS1 | BRR1 | Baler1 | Normal - Steady State | E53 | | PT4 | | 0.0 | 8,760.0 | | 0.0 | 1.0 | 0.0 | 100.0 |

**U 21 BRR2 Baler2**

| UOS NJID | Facility's Designation | UOS Description | Operation Type | Signif. Equip. | Control Device(s) | Emission Point(s) | SCC(s) | Annual Oper. Hours Min. | Annual Oper. Hours Max. | VOC Range | Flow (acfm) Min. | Flow (acfm) Max. | Temp. (deg F) Min. | Temp. (deg F) Max. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OS1 | BRR2 | Baler2 | Normal - Steady State | E54 | | PT4 | | 0.0 | 8,760.0 | | 0.0 | 1.0 | 0.0 | 100.0 |

**BAYSHORE RECYCLING CORP (19031)**
**BOP190001**

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

**U 22 BRR3 Sorting Line**

| UOS NJID | Facility's Designation | UOS Description | Operation Type | Signif. Equip. | Control Device(s) | Emission Point(s) | SCC(s) | Annual Oper. Hours Min. | Annual Oper. Hours Max. | VOC Range | Flow (acfm) Min. | Flow (acfm) Max. | Temp. (deg F) Min. | Temp. (deg F) Max. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OS1 | BRR3 | Sorting Line | Normal - Steady State | E55 | | PT4 | | 0.0 | 8,760.0 | | 0.0 | 1.0 | 0.0 | 100.0 |

**U 25 BSM12 LTTD rotary kiln**

| UOS NJID | Facility's Designation | UOS Description | Operation Type | Signif. Equip. | Control Device(s) | Emission Point(s) | SCC(s) | Annual Oper. Hours Min. | Annual Oper. Hours Max. | VOC Range | Flow (acfm) Min. | Flow (acfm) Max. | Temp. (deg F) Min. | Temp. (deg F) Max. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OS1 | BSM12 | LTTD rotary kiln - startup, shutdown and idle | Startup | E32 | CD10 (P)<br>CD11 (P)<br>CD9 (P) | PT3 | 3-99-999-99 | 0.0 | 400.0 | | 0.0 | 56,000.0 | 70.0 | 450.0 |
| OS2 | BSM12 | LTTD rotary kiln - normal steady state with petroleum contaminated soils | Normal - Steady State | E32 | CD10 (P)<br>CD11 (P)<br>CD9 (P) | PT3 | 3-99-999-99 | 0.0 | 4,240.0 | | 0.0 | 56,000.0 | 70.0 | 450.0 |
| OS3 | BSM12 | LTTD rotary kiln - normal steady state with coal tar/MGP soil | Normal - Steady State | E32 | CD10 (P)<br>CD11 (P)<br>CD9 (P) | PT3 | 3-99-999-99 | 0.0 | 4,240.0 | | 0.0 | 56,000.0 | 70.0 | 450.0 |
| OS4 | | Soil Staging, Screening, Preprocessing and Stockpiling | Normal - Steady State | E21 | | PT2 | 3-99-999-99 | | | | | | | |
| OS5 | | Gizzly Screen Operation | | E22 | | PT2 | 3-99-999-99 | | | | | | | |

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**BOP190001**

Date: 6/19/2025

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

**U 25 BSM12 LTTD rotary kiln**

| UOS NJID | Facility's Designation | UOS Description | Operation Type | Signif. Equip. | Control Device(s) | Emission Point(s) | SCC(s) | Annual Oper. Hours Min. | Annual Oper. Hours Max. | VOC Range | Flow (acfm) Min. | Flow (acfm) Max. | Temp. (deg F) Min. | Temp. (deg F) Max. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OS6 | | Conveyor 01 - Operation - Tranfer soil from Grizzly screen to scalping screen | | E23 | | PT2 | 3-99-999-99 | | | | | | | |
| OS7 | | Vibrating Scalping Screen Operation | | E24 | | PT2 | 3-99-999-99 | | | | | | | |
| OS8 | | Soil Crusher Operation | | E25 | | PT2 | 3-99-999-99 | | | | | | | |
| OS9 | | Conveyor 02 Operation - Tranfer Soil from Scalping Screen & Crusher to Stockpile | | E26 | | PT2 | 3-99-999-99 | | | | | | | |
| OS10 | | Feed Hopper Operation | | E27 | | PT2 | 3-99-999-99 | | | | | | | |
| OS11 | | Conveyor 03 Operation - Transfer Soil from the Feed Hopper to Pan Feeder Conveyor | | E28 | | PT2 | 3-99-999-99 | | | | | | | |
| OS12 | | Conveyor 04 Operation - Pan Feeder Conveyor, Transfer Soil to Vibrating Screen | | E29 | | PT2 | 3-99-999-99 | | | | | | | |
| OS13 | | Vibrating Screen Operation | | E30 | | PT2 | 3-99-999-99 | | | | | | | |
| OS14 | | Conveyor 05 Operation - Transfer Soil To the Desorber (LTTD System) and Meter Soil Loading rate to Desorber | | E31 | | PT2 | 3-99-999-99 | | | | | | | |
| OS15 | | Operation of Pugmill | | E33 | | PT2 | 3-99-999-99 | | | | | | | |
| OS16 | | Operation of Conveyor Between LTTD System & Pugmill | | E34 | | PT2 | 3-99-999-99 | | | | | | | |

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

**U 25 BSM12 LTTD rotary kiln**

| UOS NJID | Facility's Designation | UOS Description | Operation Type | Signif. Equip. | Control Device(s) | Emission Point(s) | SCC(s) | Annual Oper. Hours Min. | Annual Oper. Hours Max. | VOC Range | Flow (acfm) Min. | Flow (acfm) Max. | Temp. (deg F) Min. | Temp. (deg F) Max. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OS17 | | Operation of Radial Stacker transfer Treated Soil from Pugmill to Treated Soil Storage Building | | E35 | | PT2 | 3-99-999-99 | | | | | | | |
| OS18 | | Collecting Conveyor | | E38 | | PT2 | 3-99-999-99 | | | | | | | |
| OS19 | | Carbon Silo for Carbon Injection System | | E36 | | PT2 | 3-99-999-99 | | | | | | | |
| OS20 | | Fines Silo | | E37 | | PT2 | 3-99-999-99 | | | | | | | |

**U 32 CO1 Boiler**

| UOS NJID | Facility's Designation | UOS Description | Operation Type | Signif. Equip. | Control Device(s) | Emission Point(s) | SCC(s) | Annual Oper. Hours Min. | Annual Oper. Hours Max. | VOC Range | Flow (acfm) Min. | Flow (acfm) Max. | Temp. (deg F) Min. | Temp. (deg F) Max. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OS1 | CO1 | Boiler | Normal - Steady State | E45 | | PT16 | | 8,760.0 | 8,760.0 | | 4,240.0 | 4,240.0 | 350.0 | 350.0 |