State of New Jersey
Department of Environmental Protection
Air Quality, Energy and Sustainability
Division of Air Quality
Bureau of Stationary Sources
401 E. State Street, 2nd Floor, P.O. Box 420, Mail Code 401-02
Trenton, NJ 08625-0420

PHILIP D. MURPHY
Governor

SHEILA Y. OLIVER
Lt. Governor

SHAWN M. LATOURETTE
COMMISSIONER

Air Pollution Control Operating Permit
Renewal

Permit Activity Number: BOP210001 **Program Interest Number: 55889**

Mailing Address	Plant Location
GREGORY LUCZNY DIRECTOR of OPERATIONS GGB LLC PO BOX 189 - 700 MID ATLANTIC PKWY Thorofare, NJ 08086	GLACIER GARLOCK BEARINGS LLC DIV OF ENPRO IND 700 Mid Atlantic Pkwy Thorofare Gloucester County

Initial Operating Permit Approval Date: **May 16, 2002**

Operating Permit Approval Date: **Proposed**

Operating Permit Expiration Date: **To Be Determined – WITH 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: http://www.nj.gov/dep/aqpp. After accessing the website, click on "Approved Operating Permits" listed under "Reports" and then type in the Program Interest (PI) Number as instructed on the screen. If needed, the RADIUS file for your permit, containing Facility Specific Requirements (Compliance Plan), Inventories and Compliance Schedules can be obtained by contacting the Helpline number given below. RADIUS software, instructions, and help are available at the Department's website at http://www.nj.gov/dep/aqpp.

HELPLINE

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

RENEWING YOUR OPERATING PERMIT AND APPLICATION SHIELD

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

COMPLIANCE ASSURANCE MONITORING

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

ADMINISTRATIVE HEARING REQUEST

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

If you have any questions regarding this permit approval, please call William Forero at (609) 292-2169.

Approved by:

_____

Aliya M. Khan

Enclosure

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

Facility Name: GLACIER GARLOCK BEARINGS LLC DIV OF ENPRO IND
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Section A

Facility Name: GLACIER GARLOCK BEARINGS LLC DIV OF ENPRO IND
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POLLUTANT EMISSIONS SUMMARY

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

Facility's Potential Emissions from all Significant Source Operations (tons per year)										
Source Categories	VOC (total)	NO_x	CO	SO_2	TSP (total)	PM_{10} (total)	$PM_{2.5}$ (total)	Pb	HAPs* (total)	CO_2e[2]
Emission Units Summary	23.2	1.33	1.12	N/A	7.62	7.62	7.62	N/A	N/A	
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	23.2	1.33	1.12	N/A	7.62	7.62	7.62	N/A	N/A	3,209

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	0.19	0.803	0.672	N/A	0.26	0.16	0.16	N/A	N/A
Non-Source Fugitive Emissions[3]	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.
[3] Non-Source Fugitive Emissions are included if the facility falls into one or more categories listed at N.J.A.C. 7:27-22.2(a)2.

Section A

Facility Name: GLACIER GARLOCK BEARINGS LLC DIV OF ENPRO IND
Program Interest Number: 55889
Permit Activity Number: BOP210001

POLLUTANT EMISSIONS SUMMARY

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

HAP	TPY
N/A	

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

Other Air Contaminant	TPY
N/A	

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

Section B

Facility Name: GLACIER GARLOCK BEARINGS LLC DIV OF ENPRO IND
Program Interest Number: 55889
Permit Activity Number: BOP210001

GENERAL PROVISIONS AND AUTHORITIES

1. No permittee shall allow any air contaminant, including an air contaminant detectable by the sense of smell, to be present in the outdoor atmosphere in a quantity and duration which is, or tends to be, injurious to human health or welfare, animal or plant life or property, or which would unreasonably interfere with the enjoyment of life or property. This shall not include an air contaminant that occurs only in areas over which the permittee has exclusive use or occupancy. Requirements relative only to nuisance situations, including odors, are not considered federally enforceable. [N.J.A.C. 7:27-22.16(g)8]

2. Any deviation from operating permit requirements which results in a release of air contaminants shall be reported to the Department as follows:

   a. If the air contaminants are released in a quantity or concentration which poses a potential threat to public health, welfare or the environment or which might reasonably result in citizen complaints, the permittee shall report the release to the Department:

      i. Immediately on the Department hotline at 1-(877) 927-6337, pursuant to N.J.S.A. 26:2C-19(e); and

      ii. As part of the compliance certification required in N.J.A.C. 7:27-22.19(f). However, if the deviation is identified through source emissions testing, it shall be reported through the source emissions testing and monitoring procedures at N.J.A.C. 7:27-22.18(e)3; or

   b. If the air contaminants are released in a quantity or concentration which poses no potential threat to public health, welfare or the environment and which will not likely result in citizen complaints, the permittee shall report the release to the Department as part of the compliance certification required in N.J.A.C. 7:27-22.19(f), except for deviations identified by source emissions testing reports, which shall be reported through the procedures at N.J.A.C. 7:27-22.18(e)3; or

   c. If the air contaminants are released in a quantity or concentration which poses no potential threat to public health, welfare or the environment and which will not likely result in citizen complaints, and the permittee intends to assert the affirmative defense afforded by N.J.A.C. 7:27-22.16(l), the violation shall be reported by 5:00 PM of the second full calendar day following the occurrence, or of becoming aware of the occurrence, consistent with N.J.A.C. 7:27-22.16(l). [N.J.A.C. 7:27-22.19(g)]

3. The permittee shall comply with all conditions of the operating permit including the approved compliance plan. Any non-compliance with a permit condition constitutes a violation of the New Jersey Air Pollution Control Act N.J.S.A. 26:2C-1 et seq., or the CAA, 42 U.S.C. §7401 et seq., or both, and is grounds for enforcement action; for termination, revocation and reissuance, or for modification of the operating permit; or for denial of an application for a renewal of the operating permit. [N.J.A.C. 7:27-22.16(g)1]

4. It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of its operating permit. [N.J.A.C. 7:27-22.16(g)2]

5. This operating permit may be modified, terminated, or revoked for cause by the EPA pursuant to 40 CFR 70.7(g) and revoked or reopened and modified for cause by the Department pursuant to N.J.A.C. 7:27-22.25. [N.J.A.C. 7:27-22.16(g)3]

6. The permittee shall furnish to the Department, within a reasonable time, any information that the Department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this operating permit; or to determine compliance with the operating permit. [N.J.A.C. 7:27-22.16(g)4]

7. The filing of an application for a modification of an operating permit, or of a notice of planned changes or anticipated non-compliance, does not stay any operating permit condition. [N.J.A.C. 7:27-22.16(g)5]

8. The operating permit does not convey any property rights of any sort, or any exclusive privilege. [N.J.A.C. 7:27-22.16(g)6]

9. Upon request, the permittee shall furnish to the Department copies of records required by the operating permit to be kept. [N.J.A.C. 7:27-22.16(g)7]

10. a. For emergencies (as defined at 40 CFR 70.6(g)(1)) that result in non-compliance with any promulgated federal technology-based standard such as NSPS, NESHAPS, or MACT, a federal affirmative defense is available, pursuant to 40 CFR 70. To assert a federal affirmative defense, the permittee must use the procedures set forth in 40 CFR 70. The affirmative defense provisions described below may not be applied to any situation that caused the Facility to exceed any federally delegated regulation, including but not limited to NSPS, NESHAP, or MACT.

    b. For situations other than those covered above, an affirmative defense is available for a violation of a provision or condition of the operating permit only if:

        i. The violation occurred as a result of an equipment malfunction, an equipment startup or shutdown, or during the performance of necessary equipment maintenance; and

        ii. The affirmative defense is asserted and established as required by N.J.S.A. 26:2C-19.1 through 19.5 and any implementing rules. [N.J.A.C. 7:27-22.16(l)]

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

20. The operating permit renewal application consists of a RADIUS application and the application attachment available at the Department's website http://www.nj.gov/dep/aqpp/applying.html (Attachment to the RADIUS Operating Permit Renewal Application). Both the RADIUS application and the Application Attachment, along with any other supporting documents must be submitted using the Department's Portal

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

21. For all source emissions testing performed at the facility, the phrase "worst case conditions without creating an unsafe condition" used in the enclosed compliance plan is consistent with EPA's National Stack Testing Guidance, dated April 27, 2009, where all source emission testing performed at the facility shall be under the representative (normal) conditions that:

    i. Represent the range of combined process and control measure conditions under which the facility expects to operate (regardless of the frequency of the conditions); and

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

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

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

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

Section C

Facility Name: GLACIER GARLOCK BEARINGS LLC DIV OF ENPRO IND
Program Interest Number: 55889
Permit Activity Number: BOP210001

STATE-ONLY APPLICABLE REQUIREMENTS

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

STATE-ONLY APPLICABLE REQUIREMENTS

The following applicable requirements are not federally enforceable:

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

Section D

Facility Name: GLACIER GARLOCK BEARINGS LLC DIV OF ENPRO IND
Program Interest Number: 55889
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FACILITY SPECIFIC REQUIREMENTS AND INVENTORIES

FACILITY SPECIFIC REQUIREMENTS PAGE INDEX

GLACIER GARLOCK BEARINGS LLC DIV OF ENPRO IND (55889)
BOP210001

Date: 7/11/2022

New Jersey Department of Environmental Protection
Reason for Application

Permit Being Modified

Permit Class: BOP **Number:** 210002

Description of Modifications: 5 Year Renewal

New Jersey Department of Environmental Protection
Facility Specific Requirements

Subject Item: **FC**

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

New Jersey Department of Environmental Protection
Facility Specific Requirements

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

New Jersey Department of Environmental Protection
Facility Specific Requirements

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

New Jersey Department of Environmental Protection
Facility Specific Requirements

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

New Jersey Department of Environmental Protection
Facility Specific Requirements

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

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New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
21	Stack testing after permit expiration: 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 Natural Gas fired building heaters (< 1.0 MMbtu/hr rating)**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	No visible smoke emissions except for a period not longer than three-minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-3.2(a)] & [N.J.A.C. 7:27- 3.2(c)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Subject Item: **IS2 Filament Winding (Shaping and Cutting < 50 lbs/hr)**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Visible emissions no greater than 20% opacity, exclusive of visible condensed water vapor, except for three minutes period in any consecutive 30-minute period. [N.J.A.C. 7:27-6.2(d)] &. [N.J.A.C. 7:27-6.2(e)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Subject Item: **IS8 Three 2000 Btu/hr NG fired burners for Hydrogen burn off in each Sintering Line**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	No visible smoke emissions except for a period not longer than three-minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-3.2(a)] & [N.J.A.C. 7:27- 3.2(c)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Subject Item: **GR1 Natural gas consuming equipment E25, E33, E53, E107, E1015, IS1 & IS8**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Natural Gas Usage <= 50.3 MMft^3/yr. Annual fuel use limit for all natural gas combustion equipment. [N.J.A.C. 7:27-22.16(a)]	Natural Gas Usage: Monitored by fuel usage totalizing meter continuously, based on a consecutive 12 month period (rolling 1 month basis). [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. Record the calculated natural gas consumption (Standard Cubic Feet) for any 12 consecutive months, computed by adding the fuel consumed in a given month to that consumed in the preceding 11 months. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Mixing Operations (Lubricant Mush Preparation) with OS4 controlled by CD3**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Opacity <= 20 % , exclusive of condensed water vapor, except for 3 minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-6.2(d)] and [N.J.A.C. 7:27- 6.2(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)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
3	VOC (Total) <= 3.5 lb/hr. Maximum allowable emission rate as determined from Tables 16A and 16B, based on VOC vapor pressure and percent VOC in each mixing lubricant mush (OS1, OS2 & OS3), and lead measuring (OS4). [N.J.A.C. 7:27-16.16(d)]	Other: Monitored by calculations and/or analysis of the source operations for each operating scenario.[N.J.A.C. 7:27-16.16(g)1].	Other: The owner or operator shall maintain records for each different kind of batch or continuous process for which the source operation is specified. The following shall be recorded with the information determined in accordance with the Procedure for Using Table 16A: 1. The chemical name and vapor pressure of each VOC used; 2. The percent concentration by volume of VOC in the source gas; 3. The volumetric gas flow rate; 4. The source gas range classification; 5. The maximum allowable emission rate; 6. The maximum actual emission rate; 7. Maintain any calculation and test data used to determine the actual emission rate; 8. If the source operation is used for more than one process, the dates the source operation is used for each process; or, Conduct an analysis of the source operation, which demonstrates that, under operating conditions that maximize the VOC emissions after any control if any, the VOC emission rate of the source operation is in compliance with this section; and maintain process records sufficient to demonstrate whether the VOC emission rate of the source operation from actual operations does not exceed the VOC emission rate under operating conditions. The records shall be maintained for a period of no less than five years and make those records available upon request of the Department or EPA. [N.J.A.C. 7:27-16.16(g)1] and.[N.J.A.C. 7:27-16.22(a)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
4	VOC (Total) <= 20 tons/yr. Maximum annual VOC emissions for U1 and U2 combined. [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). Calculations shall be based on MSDS and amount of VOC content on Dowanol (carrier solvent for the mush material) used for the month. [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. Record the amount of VOCs content in Dowanol (carrier solvent for the mush material) used for any 12 consecutive months, computed by adding the material consumed in a given month to that consumed in the preceding 11 months. [N.J.A.C. 7:27-22.16(o)]	None.
5	Total Production Rate <= 2,800 batches/yr. Maximum annual number of batches for the lubricant mush mixing process, applicable to OS1, OS2, and OS3 operating scenarios combined. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by Production Records daily.[N.J.A.C. 7:27-22.16(o)].	Total Production Rate: Recordkeeping by production records daily during operation. Maintain daily production records of the number of batches from DU and non-DU mixings. [N.J.A.C. 7:27-22.16(o)]	None.
6	Total Throughput <= 40,000 lb/yr. Maximum annual dowanol usage for U1 and U2 combined. VOC content 98.5%. [N.J.A.C. 7:27-22.16(a)]	Total Throughput: Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis) Monitored by Production Records eah month during operation. Monitored the amount of dowanol (carrier solvent for the mush material) used in U1 and U2 combined. [N.J.A.C. 7:27-22.16(o)]	Total Throughput: Recordkeeping by production records each month during operation for any 12 consecutive month. Keep records of the amount of dowanol (carrier solvent for the mush material) used for any 12 consecutive months, computed by adding the material consumed in a given month to that consumed in the preceding 11 months. Keep records of material safety data sheets showing VOC content. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Mixing Operations (Lubricant Mush Preparation) with OS4 controlled by CD3**
Operating Scenario: **OS1 Mixing Non-DU Lubricant Mush (E1)**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.5 lb/hr. Maximum allowable emission rate. Based on 0.02 grains per SCF. [N.J.A.C. 7:27-6.2(a)]	None.	None.	None.
2	VOC (Total) <= 1 lb/hr. Maximum emission rate from mixing mush coating. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Mixing Operations (Lubricant Mush Preparation) with OS4 controlled by CD3**
Operating Scenario: **OS2 Mixing Lubricant Mush in DU Upright Mixer (E2)**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.5 lb/hr. Maximum allowable emission rate. Based on 0.02 grains per SCF. [N.J.A.C. 7:27-6.2(a)]	None.	None.	None.
2	VOC (Total) <= 1 lb/hr. Maximum emission rate from mixing mush coating. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Mixing Operations (Lubricant Mush Preparation) with OS4 controlled by CD3**
Operating Scenario: **OS3 Mixing Lubricant Mush in DU & Non-DU Upright Mixer (E3)**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.5 lb/hr. Maximum allowable emission rate. Based on 0.02 grains per SCF. [N.J.A.C. 7:27-6.2(a)]	None.	None.	None.
2	VOC (Total) <= 1 lb/hr. Maximum emission rate from mixing mush coating. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U1 Mixing Operations (Lubricant Mush Preparation) with OS4 controlled by CD3**
Operating Scenario: **OS4 Measuring Lead (Pb) DU Mix (E11)**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.5 lb/hr. Maximum allowable emission rate based on 99% efficiency of collection. [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
2	TSP <= 0.05 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	Pressure Drop >= 2.5 and Pressure Drop <= 5.5 inches w.c. across CD3. [N.J.A.C. 7:27-22.16(a)]	Pressure Drop: Monitored by pressure drop instrument continuously. The permittee shall install, calibrate and maintain the monitor(s) in accordance with the manufacturer's specifications. The monitor(s) shall be ranged such that the allowable value is approximately mid-scale of the full range current/voltage output. [N.J.A.C. 7:27-22.16(a)]	Pressure Drop: Recordkeeping by manual logging of parameter or storing data in a computer data system each week during operation. [N.J.A.C. 7:27-22.16(a)]	None.
4	Particulates Control Efficiency >= 99 %. Particulate Control Cartridge Filter for Lead(Pb) (CD3). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep manufacturer design documents.[N.J.A.C. 7:27-22.16(o)].	None.
5	Hours of Operation <= 1,500 hr/yr. [N.J.A.C. 7:27-22.16(a)]	Other: Monitoring the hours of operation upon occurrence of mixing event, by manually record the start and stop times of each lead mixing operation eah month during operation. Based on a consecutive 12 month period (rolling 1 month basis).[N.J.A.C. 7:27-22.16(o)].	Hours of Operation: Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event (each mixing event). Record any 12 consecutive months, the hours during any one month shall be added to any 12 consecutive months, computed by adding the hours in a given month to that calculated in the preceding 11 months. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U2 Application of Lubricant Mush and Tape Material to Sintered Master Coil**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	VOC (Total) <= 3.5 lb/hr. Maximum allowable emission rate as determined from Tables 16A and 16B, based on VOC vapor pressure and percent VOC in each operating scenario under U2. [N.J.A.C. 7:27-16.16(d)]	Other: Monitored by calculations and/or analysis of the source operations for each mixer as specified.[N.J.A.C. 7:27-16.16(g)1].	Other: The owner or operator shall maintain records for each different kind of batch or continuous process for which the source operation is specified. The following shall be recorded with the information determined in accordance with the Procedure for Using Table 16A: 1. The chemical name and vapor pressure of each VOC used; 2. The percent concentration by volume of VOC in the source gas; 3. The volumetric gas flow rate; 4. The source gas range classification; 5. The maximum allowable emission rate; 6. The maximum actual emission rate; 7. Maintain any calculation and test data used to determine the actual emission rate; 8. If the source operation is used for more than one process, the dates the source operation is used for each process; or, Conduct an analysis of the source operation, which demonstrates that, under operating conditions that maximize the VOC emissions after any control if any, the VOC emission rate of the source operation is in compliance with this section; and maintain process records sufficient to demonstrate whether the VOC emission rate of the source operation from actual operations does not exceed the VOC emission rate under operating conditions. The records shall be maintained for a period of no less than five years and make those records available upon request of the Department or EPA. [N.J.A.C. 7:27-16.16(g)1] and.[N.J.A.C. 7:27-16.22(a)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
2	VOC (Total) <= 20 tons/yr. Maximum annual VOC emissions for U1 and U2 combined. [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). Calculations shall be based on MSDS and amount of VOC content in Dowanol (carrier solvent for the mush material) used for the month. [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Recordkeeping by production records each month during operation. Record the amount of VOCs content in Dowanol (carrier solvent for the mush material) used for any 12 consecutive months, computed by adding the material consumed in a given month to that consumed in the preceding 11 months. [N.J.A.C. 7:27-22.16(o)]	None.
3	NOx (Total) <= 0.45 tons/yr. Maximum annual emission from curing of mush coating. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	CO <= 0.38 tons/yr. Maximum annual emission from curing of mush coating. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	Total Throughput <= 2,800 batches/yr. Maximum annual application of lubricant mush coating. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by production records daily.[N.J.A.C. 7:27-22.16(o)].	Total Throughput: Recordkeeping by production records daily during operation. Maintain daily production records of number of batches from DU and non-DU mixings. [N.J.A.C. 7:27-22.16(o)]	None.
6	Total Throughput <= 40,000 lb/yr. Maximum annual dowanol usage for U1 and U2 combined. VOC content 98.5%. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by Production Records eah month during operation. Based on a consecutive 12 month period (rolling 1 month basis). Monitored the amount of dowanol (carrier solvent for the mush material) used in U1 and U2 combined.[N.J.A.C. 7:27-22.16(o)].	Total Throughput: Recordkeeping by production records each month during operation for any 12 consecutive month. Keep records of the amount of dowanol (carrier solvent for the mush material) used for any 12 consecutive months, computed by adding the material consumed in a given month to that consumed in the preceding 11 months. Keep records of material safety data sheets showing VOC content. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U2 Application of Lubricant Mush and Tape Material to Sintered Master Coil**
Operating Scenario: **OS1 Apply DU Teflon Mix DX Line 1 (E10), OS5 Apply DU Teflon Mix BHP Line 3 (E34)**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.5 lb/hr. Particulate emission limit based on 0.02 grains per standard cubic foot. [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
2	Opacity <= 20 % , exclusive of condensed water vapor, except for 3 minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-6.2(d)] and [N.J.A.C. 7:27- 6.2(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(a)]	None.	None.	None.
4	VOC (Total) <= 1.2 lb/hr. Maximum emission rate for applying Teflon Mix mush coating. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U2 Application of Lubricant Mush and Tape Material to Sintered Master Coil**
Operating Scenario: **OS2 Apply Non-DU Teflon DX Mix Line 1 (E10), OS6 Apply Non-DU Teflon Mix BHP Line 3 (E34)**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.5 lb/hr. Particulate emission limit based on 0.02 grains per standard cubic foot. [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
2	Opacity <= 20 % , exclusive of condensed water vapor, except for 3 minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-6.2(d)] and [N.J.A.C. 7:27- 6.2(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(a)]	None.	None.	None.
4	VOC (Total) <= 3 lb/hr. Maximum emission rate from applying Teflon mix mush coating. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U2 Application of Lubricant Mush and Tape Material to Sintered Master Coil**
Operating Scenario: **OS3 Apply DU Teflon Mix MCS Line 2 (E24)**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.583 lb/hr. Particulate emission limit based on 0.02 grains per standard cubic foot. [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
2	Opacity <= 20 % , exclusive of condensed water vapor, except for 3 minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-6.2(d)] and [N.J.A.C. 7:27- 6.2(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(a)]	None.	None.	None.
4	VOC (Total) <= 1.2 lb/hr. Maximum emission rate for applying Teflon Mix mush coating. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U2 Application of Lubricant Mush and Tape Material to Sintered Master Coil**
Operating Scenario: **OS4 Apply Non-DU Teflon Mix MCS Line 2 (E24)**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.583 lb/hr. Particulate emission limit based on 0.02 grains per standard cubic foot. [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
2	Opacity <= 20 % , exclusive of condensed water vapor, except for 3 minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-6.2(d)] and [N.J.A.C. 7:27- 6.2(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(a)]	None.	None.	None.
4	VOC (Total) <= 3 lb/hr. Maximum emission rate from applying Teflon mix mush coating. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U2 Application of Lubricant Mush and Tape Material to Sintered Master Coil**
Operating Scenario: **OS7 Cure DU Teflon Mix Line 1 (E6)**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.5 lb/hr. Particulate emission limit based on 0.02 grains per standard cubic foot. [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
2	Opacity <= 20 % , exclusive of condensed water vapor, except for 3 minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-6.2(d)] and [N.J.A.C. 7:27- 6.2(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(a)]	None.	None.	None.
4	VOC (Total) <= 0.32 lb/hr. Maximum emission rate from burning off & curing mush coating. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U2 Application of Lubricant Mush and Tape Material to Sintered Master Coil**

Operating Scenario: **OS9 (2) Burnoff and cure ovens each rated at 0.2 MMBtu/hr for a total of 0.4 MMBtu/hr rating for Line 3, DU Teflon Mix. (See fuel at GR1)**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.6 lb/hr. Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	No visible emissions except for a period of not longer than three minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-3.2(a)] & [N.J.A.C. 7:27- 3.2(c)]	None.	None.	None.
3	VOC (Total) <= 0.32 lb/hr. Maximum emission rate from burning off & curing mush coating. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Maximum Gross Heat Input <= 0.2 MMBTU/hr (HHV) each burner, including pilots. The Line 3 Oven (E33) has identical twin burners. Oven fuel type limited to natural gas only. [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
5	Natural Gas Usage: See Group GR1. [N.J.A.C. 7:27-22.16(a)]	Natural Gas Usage: Monitored by fuel usage totalizing meter continuously. See group GR1 for details. [N.J.A.C. 7:27-22.16(o)]	Other: See GR1.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U2 Application of Lubricant Mush and Tape Material to Sintered Master Coil**

Operating Scenario: **OS10 (2) Burnoff and cure ovens each rated at 0.525 MMBtu/hr for a total of 1.05 MMBtu/hr rating for Line 2, DU Teflon Mix. (See fuel at GR1)**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	No visible emissions except for a period of not longer than three minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-3.2(a)] & [N.J.A.C. 7:27- 3.2(c)]	None.	None.	None.
2	Particulate Emissions <= 0.63 lb/hr. Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
3	VOC (Total) <= 0.32 lb/hr. Maximum emission rate from burning off & curing mush coating. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	NOx (Total) <= 0.103 lb/hr. Maximum emission rate from burning off & curing mush coating. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	CO <= 0.087 lb/hr. Maximum emission rate from burning off & curing mush coating. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Maximum Gross Heat Input <= 0.525 MMBTU/hr (HHV) each burner, including pilots. The Line 2 Oven (E25) has identical twin burners. Fuel type limited to natural gas. [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
7	Natural Gas Usage: See Group GR1. [N.J.A.C. 7:27-22.16(a)]	Natural Gas Usage: Monitored by fuel usage totalizing meter continuously. See group GR1 for details. [N.J.A.C. 7:27-22.16(o)]	Other: See GR1.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U2 Application of Lubricant Mush and Tape Material to Sintered Master Coil**
Operating Scenario: **OS11 Cure Non-DU Teflon Mix Line 1 (E6)**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.5 lb/hr. Particulate emission limit based on 0.02 grains per standard cubic foot. [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
2	Opacity <= 20 % , exclusive of condensed water vapor, except for 3 minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-6.2(d)] and [N.J.A.C. 7:27- 6.2(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(a)]	None.	None.	None.
4	VOC (Total) <= 0.8 lb/hr. Maximum emission rate from burning off & curing mush coating. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U2 Application of Lubricant Mush and Tape Material to Sintered Master Coil**

Operating Scenario: **OS12 (2) Burnoff and cure ovens each rated at 0.525 MMBtu/hr for a total of 1.05 MMBtu/hr rating for Line 2, Non-DU Teflon Mix. (See fuel at GR1)**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	No visible emissions except for a period of not longer than three minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-3.2(a)] & [N.J.A.C. 7:27- 3.2(c)]	None.	None.	None.
2	Particulate Emissions <= 0.63 lb/hr. Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
3	VOC (Total) <= 0.8 lb/hr. Maximum emission rate from burning off & curing mush coating. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	NOx (Total) <= 0.103 lb/hr. Maximum emission rate from burning off & curing mush coating. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	CO <= 0.087 lb/hr. Maximum emission rate from burning off & curing mush coating. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Maximum Gross Heat Input <= 0.525 MMBTU/hr (HHV) each burner, including pilots. The Line 2 Oven (E25) has identical twin burners. fuel type limited to natural gas only. [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
7	Natural Gas Usage: See Group GR1. [N.J.A.C. 7:27-22.16(a)]	Natural Gas Usage: Monitored by fuel usage totalizing meter continuously. See group GR1 for details. [N.J.A.C. 7:27-22.16(o)]	Other: See GR1.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U2 Application of Lubricant Mush and Tape Material to Sintered Master Coil**

Operating Scenario: **OS13 (2) Burnoff and cure ovens each rated at 0.2 MMBtu/hr for a total of 0.4 MMBtu/hr rating for Line 3, Non-DU Teflon Mix. (See fuel at GR1)**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	No visible emissions except for a period of not longer than three minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-3.2(a)] & [N.J.A.C. 7:27- 3.2(c)]	None.	None.	None.
2	Particulate Emissions <= 0.6 lb/hr. Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
3	VOC (Total) <= 0.8 lb/hr. Maximum emission rate from burning off & curing mush coating. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Maximum Gross Heat Input <= 0.2 MMBTU/hr (HHV) each burner, including pilots. The Line 3 Oven (E33) has identical twin burners. Fuel type limited to natural gas only. [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
5	Natural Gas Usage: See Group GR1. [N.J.A.C. 7:27-22.16(a)]	Natural Gas Usage: Monitored by fuel usage totalizing meter continuously. See group GR1 for details. [N.J.A.C. 7:27-22.16(o)]	Other: See GR1.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U3 Wastewater Treatment**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	VOC (Total) <= 3.5 lb/hr. Maximum allowable emission rate as determined from Tables 16A and 16B, based on VOC vapor pressure and percent VOC in each treatment holding tank. [N.J.A.C. 7:27-16.16(d)]	Other: Monitored by calculations and/or analysis of the source operations for each treatment holding tank (E16, E17 & E18) as specified.[N.J.A.C. 7:27-16.16(g)1].	Other: The owner or operator shall maintain records for each different kind of batch or continuous process for which the source operation is specified. The following shall be recorded with the information determined in accordance with the Procedure for Using Table 16A: 1. The chemical name and vapor pressure of each VOC used; 2. The percent concentration by volume of VOC in the source gas; 3. The volumetric gas flow rate; 4. The source gas range classification; 5. The maximum allowable emission rate; 6. The maximum actual emission rate; 7. Maintain any calculation and test data used to determine the actual emission rate; 8. If the source operation is used for more than one process, the dates the source operation is used for each process; or, Conduct an analysis of the source operation, which demonstrates that, under operating conditions that maximize the VOC emissions after any control if any, the VOC emission rate of the source operation is in compliance with this section; and maintain process records sufficient to demonstrate whether the VOC emission rate of the source operation from actual operations does not exceed the VOC emission rate under operating conditions. The records shall be maintained for a period of no less than five years and make those records available upon request of the Department or EPA. [N.J.A.C. 7:27-16.16(g)1] and.[N.J.A.C. 7:27-16.22(a)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
2	VOC (Total) <= 0.05 lb/hr. [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by wastewater sampling annually. Analyze the collected sample once a year. [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27-22.16(o)]	None.
3	Total Throughput <= 1.2 MMgal/yr. [N.J.A.C. 7:27-22.16(a)]	Total Throughput: Monitored by calculations daily. Calculation based on number of batches processed through the wastewater system and the standard batch volume (200 gallons). [N.J.A.C. 7:27-22.16(o)]	Total Throughput: Recordkeeping by manual logging of parameter or storing data in a computer data system daily. Sum-up annual total throughput for the calendar year. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U3 Wastewater Treatment**
Operating Scenario: **OS4 Industrial Wastewater Treatment System (E15)**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Flowrate <= 6,000 gallons. Daily wastewater treatment and discharge limit. Treatment system includes 3 holding tanks (E16, E17 & E18) for untreated water and 2 exempt tanks (IS7) containing water that has been processed. The treated water is either discharged to the sewer, or re-used in the facility. Sludge is collected in the waste hopper for disposal. [N.J.A.C. 7:27-22.16(a)]	Flowrate: Monitored by calculations daily. Wastewater treatment flow calculated from number of batches processed through the wastewater system and the standard batch volume (200 gallons). [N.J.A.C. 7:27-22.16(o)]	Flowrate: 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.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U3 Wastewater Treatment**

Operating Scenario: **OS5 Industrial Wastewater Treatment Hold Tank 1 (E16), OS6 Industrial Wastewater Treatment Hold Tank 2 (E17), OS7 Industrial Wastewater Treatment Hold Tank 3 (E18)**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Flowrate <= 6,000 gallons. Daily wastewater treatment and discharge limit. [N.J.A.C. 7:27-22.16(a)]	Flowrate: Monitored by calculations daily. Wastewater treatment flow calculated from number of batches processed through the wastewater system and the standard batch volume (200 gallons). [N.J.A.C. 7:27-22.16(o)]	Flowrate: 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.
2	Tank discharges untreated water to treatment system only. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U4 Electric Sintering of Coils**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	No visible emissions except for a period of not longer than three minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-3.2(a)] & [N.J.A.C. 7:27- 3.2(c)]	None.	None.	None.
2	Particulate Emissions <= 0.6 lb/hr. Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
3	TSP <= 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: **U4 Electric Sintering of Coils**
Operating Scenario: **OS1 Elec Sinter Line 1 (E301), OS2 Elec Sinter Line 2 (E401), OS3 Elec Sinter Line 3 (E2201)**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Total Production Rate <= 500 lb/hr. Maximum raw materials (bearings) processing rate in each sintering oven. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U5 Linishing Line**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	NOx (Total) <= 0.344 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
2	CO <= 0.289 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	TSP <= 1.16 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	PM-10 (Total) <= 1.16 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	PM-2.5 (Total) <= 1.16 tons/yr. [N.J.A.C. 7:27-22.16(o)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U5 Linishing Line**
Operating Scenario: **OS4 0.8 MMBTU/hr Water Heater (fired by Natural Gas) for Washing and Drying of Steel Strip**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	No visible emissions from PT54, except for a period of not longer than three minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-3.2(a)] & [N.J.A.C. 7:27- 3.2(c)]	None.	None.	None.
2	Particulate Emissions <= 0.6 lb/hr. Particulate emission limit at PT54, from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
3	TSP <= 0.05 lb/hr. Maximum emission rate from drying off the steel strip. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
4	PT53 is designed for steam vent only from steel strip washing. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	NOx (Total) <= 0.078 lb/hr. Maximum emission rate drying off the steel strip. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	CO <= 0.066 lb/hr. Maximum emission rate drying off the steel strip. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	Maximum Gross Heat Input <= 0.8 MMBTU/hr (HHV). Steel strip washer/dryer (E53). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
8	Natural Gas Usage: See Group GR1. [N.J.A.C. 7:27-22.16(a)]	Natural Gas Usage: Monitored by fuel usage totalizing meter continuously. See group GR1 for details. [N.J.A.C. 7:27-22.16(o)]	Other: See GR1.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U5 Linishing Line**
Operating Scenario: **OS5 Surface Roughening of Steel Strip controlled by Nilfisk dry vacuum filter CD4**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Opacity <= 20 % , exclusive of condensed water vapor, except for 3 minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-6.2(d)] and [N.J.A.C. 7:27- 6.2(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: (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: (1) Date and time of inspection; (2) Emission Point number; (3) Operational status of equipment: (4) Observed results and conclusions: (5) Description of corrective action taken if needed; (6) Date and time opacity problem was solved, if applicable; (7) N.J.A.C. 7:27B-2 results if conducted; and ((8) Name of person(s) conducting inspection. . [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
3	Particulate Emissions <= 0.5 lb/hr. Maximum allowable particulate emission rate for surface roughening of steel strip based on 0.02 grains per SCF of stack gas flow. [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
4	TSP <= 0.26 lb/hr. Maximum emission rate after vacuum filter (CD4). [N.J.A.C. 7:27-22.16(a)]	TSP: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	TSP: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Retain calculations on file. [N.J.A.C. 7:27-22.16(o)]	None.
5	PM-10 (Total) <= 0.26 lb/hr. Maximum emission rate after vacuum filter (CD4). [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 manual logging of parameter or storing data in a computer data system once initially. Retain calculations on file. [N.J.A.C. 7:27-22.16(o)]	None.
6	PM-2.5 (Total) <= 0.26 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	Nilfisk-CFM industrial vacuum filter (CD4) in U5, OS5 shall be operated at all times during linishing line operation. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Temperature >= 70 and Temperature <= 100 degrees F. The temperature range of the steel strip surface roughening operation shall be maintained. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored from temperature readout of the thermocouple continuously. The dust collection system CD4, shall operate continuously during operation of E54. The surface roughening unit (E54) shall not operate if dust collector (CD4) is not in operation (E54 shall be interlocked with CD4). The monitor for E54 shall go into an audio/visual alarm mode if a high temperature of the roughening operation is detected, When this occurs, CD4 and E54 shall automatically shut down.[N.J.A.C. 7:27-22.16(o)].	Temperature: Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. Record each occurence of alarm sounding. Each instance of dust collector maintenance and/or repair shall be recorded. [N.J.A.C. 7:27-22.16(o)]	None.
9	Pressure Drop >= 0.1 and Pressure Drop <= 15 inches w.c. across the vacuum filter, CD4. [N.J.A.C. 7:27-22.16(a)]	Pressure Drop: Monitored by pressure drop instrument continuously, based on an instantaneous determination. [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 once per shift during operation. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U100 Ovens Curing of Filament Wound Bearings**
Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	NOx (Total) <= 0.43 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
2	CO <= 0.36 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	Total Material Transferred <= 12,000 gal/yr. Annual curing agent, Methyl-5-norbornene-2,3-dicarboxylic anhydride (METH-E) limit in Garlock Filament Windings. [N.J.A.C. 7:27-22.16(a)]	Total Material Transferred: Monitored by material feed/flow monitoring once per calendar day during operation. Sum-up to each calendar month total. [N.J.A.C. 7:27-22.16(o)]	Total Material Transferred: Recordkeeping by manual logging of parameter or storing data in a computer data system daily. Records shall include the daily Methl-5-norbornene-2,3-dicarboxylic anhydride (METH-E) usage, each calendar month usage, and calendar year usage total. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U100 Ovens Curing of Filament Wound Bearings**
Operating Scenario: **OS4 Curing bearings in Gruenberg Electric Curing Oven (E104)**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Curing oven shall contain only one or two carts of filament cores per cure. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U100 Ovens Curing of Filament Wound Bearings**
Operating Scenario: **OS6 Curing Bearings in Wisconsin Electric Curing Oven (E106)**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Curing oven shall contain only one cart of filament cores per cure. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U100 Ovens Curing of Filament Wound Bearings**
Operating Scenario: **OS7 Curing Bearings in 1 MMbtu/hr Wisconsin Natural Gas fired Oven (E107)**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	No visible emissions except for a period of not longer than three minutes in any consecutive 30-minute period. N. J. A. C. 7:27-3.2(a) & [N.J.A.C. 7:27- 3.2(c)]	None.	None.	None.
2	Particulate Emissions <= 0.6 lb/hr. Particulate emission limit from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
3	NOx (Total) <= 0.1 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	CO <= 0.08 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	TSP <= 0.05 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Curing oven shall contain up to nine (9) racks of filament cores per cure. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	Maximum Gross Heat Input <= 1 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing the maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
8	Natural Gas Usage: See Group GR1. [N.J.A.C. 7:27-22.16(a)]	Natural Gas Usage: Monitored by fuel usage totalizing meter continuously See group GR1 for details. [N.J.A.C. 7:27-22.16(o)]	Other: See GR1.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U101 Cutting and Shaping of Filament Wound Bearings, New Mixing Room and Tapeline Process with PM controlled by CD5, CD7 and CD9.**

Operating Scenario: **OS Summary**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Opacity <= 20 % , exclusive of condensed water vapor, except for 3 minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-6.2(d)] and [N.J.A.C. 7:27- 6.2(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 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: (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: (1) Date and time of inspection; (2) Emission Point number; (3) Operational status of equipment: (4) Observed results and conclusions: (5) Description of corrective action taken if needed; (6) Date and time opacity problem was solved, if applicable; (7) N.J.A.C. 7:27B-2 results if conducted; and ((8) Name of person(s) conducting inspection. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
3	CO <= 0.09 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	NOx (Total) <= 0.11 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	VOC (Total) <= 3.17 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	TSP <= 6.46 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	PM-10 (Total) <= 6.46 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	PM-2.5 (Total) <= 6.46 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	All Particulate emissions from this emission unit shall be exhausted through dust collectors CD5 or CD7, or CD9. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
10	The owner or operator shall inspect and maintain the particulate control device and replace the filter media on a schedule that maintains the designed particulate control efficiency. [N.J.A.C. 7:27-22.16(a)]	Monitored by visual determination at the manufacturer's specified frequency. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The permittee shall record each instance of filter inspection, maintenance and cartridge replacement. [N.J.A.C. 7:27-22.16(o)]	None.
11	Cartridge cleaning by air pulse shall occur automatically upon activation by pressure differential. Cartridges shall be replaced when pulse air fails to restore normal operating pressure differential. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
12	Total Throughput <= 6,326 lb/yr. Maximum annual throughput. Applicable to U101-OS16 Through OS20 Combined. [N.J.A.C. 7:27-22.16(a)]	Total Throughput: Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	Total Throughput: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U101 Cutting and Shaping of Filament Wound Bearings, New Mixing Room and Tapeline Process with PM controlled by CD5, CD7 and CD9.**

Operating Scenario: **OS4 Cutting Bearings to size with Cut-Off Saw (E203) controlled by CD7**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.92 lb/hr. Maximum allowable particulate emission rate for cutting bearings to size with cut-off saw (E203) based on 0.02 grains per SCF of stack gas flow. [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
2	TSP <= 0.06 lb/hr. [N.J.A.C. 7:27-22.16(a)]	TSP: Monitored by calculations once initially based on any 60 minute period. [N.J.A.C. 7:27-22.16(o)]	TSP: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. [N.J.A.C. 7:27-22.16(o)]	None.
3	PM-10 (Total) <= 0.06 lb/hr. [N.J.A.C. 7:27-22.16(a)]	PM-10 (Total): Monitored by calculations once initially based on any 60 minute period. [N.J.A.C. 7:27-22.16(o)]	PM-10 (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. [N.J.A.C. 7:27-22.16(o)]	None.
4	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)]	PM-2.5 (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. [N.J.A.C. 7:27-22.16(o)]	None.
5	Total Production Rate <= 875 other units (final bearing pieces/hr.). [N.J.A.C. 7:27-22.16(a)]	Total Production Rate: Monitored by material feed/flow monitoring daily, based on a daily average. [N.J.A.C. 7:27-22.16(o)]	Total Production Rate: Recordkeeping by manual logging of parameter or storing data in a computer data system daily. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
6	Pressure Drop >= 0.1 and Pressure Drop <= 6 inches w.c. across filter CD7 "MERV 15 cartridge filters". [N.J.A.C. 7:27-22.16(a)]	Pressure Drop: Monitored by pressure drop instrument continuously, based on an instantaneous determination The permittee shall install, calibrate and maintain the monitor(s) in accordance with the manufacturer's specifications. The monitor(s) shall be ranged such that the allowable value is approximately mid-scale of the full range current/voltage output. An alarm or other operational warning system shall be installed and shall be designed to sound when pressure drop less than or greater than the permitted operating range are detected at any time. [N.J.A.C. 7:27-22.16(a)]	Pressure Drop: Recordkeeping by manual logging of parameter or storing data in a computer data system each week during operation. [N.J.A.C. 7:27-22.16(a)]	None.
7	Particulates Control Efficiency >= 99 % of the cartridge filter CD7"MERV 15 cartridge filters". [N.J.A.C. 7:27-22.16(a)]	Particulates Control Efficiency: Monitored by documentation of construction once initially. [N.J.A.C. 7:27-22.16(o)]	Other: Maintain construction document.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U101 Cutting and Shaping of Filament Wound Bearings, New Mixing Room and Tapeline Process with PM controlled by CD5, CD7 and CD9.**

Operating Scenario: **OS5 Cutting Bearings to size with Tube Cut-Off Saw (E204), controlled by CD5**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.03 lb/hr. Maximum allowable particulate emission rate for cutting bearings to size with cut-off saw (E204) based on 0.02 grains per SCF of stack gas flow. [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
2	TSP <= 0.09 lb/hr. [N.J.A.C. 7:27-22.16(a)]	TSP: Monitored by calculations once initially based on any 60 minute period. [N.J.A.C. 7:27-22.16(o)]	TSP: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. [N.J.A.C. 7:27-22.16(o)]	None.
3	PM-10 (Total) <= 0.09 lb/hr. [N.J.A.C. 7:27-22.16(a)]	PM-10 (Total): Monitored by calculations once initially based on any 60 minute period. [N.J.A.C. 7:27-22.16(o)]	PM-10 (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. [N.J.A.C. 7:27-22.16(o)]	None.
4	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 based on any 60 minute period. [N.J.A.C. 7:27-22.16(o)]	PM-2.5 (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. [N.J.A.C. 7:27-22.16(o)]	None.
5	Total Production Rate <= 2,000 other units (final bearing pieces/hr.). [N.J.A.C. 7:27-22.16(a)]	Total Production Rate: Monitored by material feed/flow monitoring daily, based on a daily average. [N.J.A.C. 7:27-22.16(o)]	Total Production Rate: Recordkeeping by manual logging of parameter or storing data in a computer data system daily. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
6	Pressure Drop >= 0.1 and Pressure Drop <= 6 inches w.c. across the Torit cartridge filter (CD5) "MERV 15 cartridge filters". [N.J.A.C. 7:27-22.16(a)]	Pressure Drop: Monitored by pressure drop instrument continuously, based on an instantaneous determination. The permittee shall install, calibrate and maintain the monitor(s) in accordance with the manufacturer's specifications. The monitor(s) shall be ranged such that the allowable value is approximately mid-scale of the full range current/voltage output. An alarm or other operational warning system shall be installed and shall be designed to sound when pressure drop less than or greater than the permitted operating range are detected at any time. When operating pressure reaches 4.5 in w.c the system automatically pulses to clean. [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 week during operation. [N.J.A.C. 7:27-22.16(o)]	None.
7	Particulates Control Efficiency >= 99 % of the Torit cartridge filter (CD5)"MERV 15 cartridge filters". [N.J.A.C. 7:27-22.16(a)]	Particulates Control Efficiency: Monitored by documentation of construction once initially. [N.J.A.C. 7:27-22.16(o)]	Other: Maintain construction document.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U101 Cutting and Shaping of Filament Wound Bearings, New Mixing Room and Tapeline Process with PM controlled by CD5, CD7 and CD9.**

Operating Scenario: **OS6 Cutting Bearings to size with Auto Cut-Off Saw (E205) controlled by CD7**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.92 lb/hr. Maximum allowable particulate emission rate for cutting bearings to size with cut-off saw (E205) based on 0.02 grains per SCF of stack gas flow. [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
2	TSP <= 0.08 lb/hr. [N.J.A.C. 7:27-22.16(a)]	TSP: Monitored by calculations once initially based on any 60 minute period. [N.J.A.C. 7:27-22.16(o)]	TSP: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. [N.J.A.C. 7:27-22.16(o)]	None.
3	PM-10 (Total) <= 0.08 lb/hr. [N.J.A.C. 7:27-22.16(a)]	PM-10 (Total): Monitored by calculations once initially based on any 60 minute period. [N.J.A.C. 7:27-22.16(o)]	PM-10 (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. [N.J.A.C. 7:27-22.16(o)]	None.
4	PM-2.5 (Total) <= 0.08 lb/hr. [N.J.A.C. 7:27-22.16(a)]	PM-2.5 (Total): Monitored by calculations once initially based on any 60 minute period. [N.J.A.C. 7:27-22.16(o)]	PM-2.5 (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. [N.J.A.C. 7:27-22.16(o)]	None.
5	Total Production Rate <= 1,200 other units (final bearing pieces/hr). [N.J.A.C. 7:27-22.16(a)]	Total Production Rate: Monitored by material feed/flow monitoring daily, based on a daily average. [N.J.A.C. 7:27-22.16(o)]	Total Production Rate: Recordkeeping by manual logging of parameter or storing data in a computer data system daily. [N.J.A.C. 7:27-22.16(o)]	None.
6	Particulates Control Efficiency >= 99 % of the filter CD7 "MERV 15 cartridge filters". [N.J.A.C. 7:27-22.16(a)]	Particulates Control Efficiency: Monitored by documentation of construction once initially. [N.J.A.C. 7:27-22.16(o)]	Other: Maintain construction document.[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	Pressure Drop >= 0.1 and Pressure Drop <= 6 inches w.c. across the filter CD7 "MERV 15 cartridge filters". [N.J.A.C. 7:27-22.16(a)]	Pressure Drop: Monitored by pressure drop instrument continuously, based on an instantaneous determination The permittee shall install, calibrate and maintain the monitor(s) in accordance with the manufacturer's specifications. The monitor(s) shall be ranged such that the allowable value is approximately mid-scale of the full range current/voltage output. An alarm or other operational warning system shall be installed and shall be designed to sound when pressure drop less than or greater than the permitted operating range are detected at any time. [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 week during operation. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U101 Cutting and Shaping of Filament Wound Bearings, New Mixing Room and Tapeline Process with PM controlled by CD5, CD7 and CD9.**

Operating Scenario: **OS7 Grinding tubes to size with Centerless Grinder (E206) controlled by CD7**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.92 lb/hr. Maximum allowable particulate emission rate for grinding tubes to size with shaping grinder (E206) based on 0.02 grains per SCF of stack gas flow. [N.J.A.C. 7:27-6.2(a)]	None.	None.	None.
2	TSP <= 0.2 lb/hr. [N.J.A.C. 7:27-22.16(a)]	TSP: Monitored by calculations once initially based on any 60 minute period. [N.J.A.C. 7:27-22.16(o)]	TSP: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. [N.J.A.C. 7:27-22.16(o)]	None.
3	PM-10 (Total) <= 0.2 lb/hr. [N.J.A.C. 7:27-22.16(a)]	PM-10 (Total): Monitored by calculations once initially based on any 60 minute period. [N.J.A.C. 7:27-22.16(o)]	PM-10 (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. [N.J.A.C. 7:27-22.16(o)]	None.
4	PM-2.5 (Total) <= 0.2 lb/hr. [N.J.A.C. 7:27-22.16(a)]	PM-2.5 (Total): Monitored by calculations once initially based on any 60 minute period. [N.J.A.C. 7:27-22.16(o)]	PM-2.5 (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. [N.J.A.C. 7:27-22.16(o)]	None.
5	Total Production Rate <= 3,600 inches of tube material per hour. [N.J.A.C. 7:27-22.16(a)]	Total Production Rate: Monitored by material feed/flow monitoring daily, based on a daily average. [N.J.A.C. 7:27-22.16(o)]	Total Production Rate: Recordkeeping by manual logging of parameter or storing data in a computer data system daily. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
6	Pressure Drop >= 0.1 and Pressure Drop <= 6 inches w.c. across the particulate filter CD7 "MERV 15 cartridge filters". [N.J.A.C. 7:27-22.16(a)]	Pressure Drop: Monitored by pressure drop instrument continuously, based on an instantaneous determination The permittee shall install, calibrate and maintain the monitor(s) in accordance with the manufacturer's specifications. The monitor(s) shall be ranged such that the allowable value is approximately mid-scale of the full range current/voltage output. An alarm or other operational warning system shall be installed and shall be designed to sound when pressure drop less than or greater than the permitted operating range are detected at any time. [N.J.A.C. 7:27-22.16(a)]	Pressure Drop: Recordkeeping by manual logging of parameter or storing data in a computer data system each week during operation. [N.J.A.C. 7:27-22.16(a)]	None.
7	Particulates Control Efficiency >= 99 % of the filter CD7 "MERV 15 cartridge filters". [N.J.A.C. 7:27-22.16(a)]	Particulates Control Efficiency: Monitored by documentation of construction once initially. [N.J.A.C. 7:27-22.16(o)]	Other: Maintain construction document.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U101 Cutting and Shaping of Filament Wound Bearings, New Mixing Room and Tapeline Process with PM controlled by CD5, CD7 and CD9.**

Operating Scenario: **OS9 Cutting Bearings to size with Auto Cut-Off Saw (E208) controlled by CD7**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.92 lb/hr. Maximum allowable particulate emission rate for cutting bearings to size with cut-off saw (E208) based on 0.02 grains per SCF of stack gas flow. [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
2	TSP <= 0.08 lb/hr. [N.J.A.C. 7:27-22.16(a)]	TSP: Monitored by calculations once initially based on any 60 minute period. [N.J.A.C. 7:27-22.16(o)]	TSP: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. [N.J.A.C. 7:27-22.16(o)]	None.
3	PM-10 (Total) <= 0.08 lb/hr. [N.J.A.C. 7:27-22.16(a)]	PM-10 (Total): Monitored by calculations once initially based on any 60 minute period. [N.J.A.C. 7:27-22.16(o)]	PM-10 (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. [N.J.A.C. 7:27-22.16(o)]	None.
4	PM-2.5 (Total) <= 0.08 lb/hr. [N.J.A.C. 7:27-22.16(a)]	PM-2.5 (Total): Monitored by calculations once initially based on any 60 minute period. [N.J.A.C. 7:27-22.16(o)]	PM-2.5 (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. [N.J.A.C. 7:27-22.16(o)]	None.
5	Total Production Rate <= 1,200 other units (final bearing pieces/hr.). [N.J.A.C. 7:27-22.16(a)]	Total Production Rate: Monitored by material feed/flow monitoring daily, based on a daily average. [N.J.A.C. 7:27-22.16(o)]	Total Production Rate: Recordkeeping by manual logging of parameter or storing data in a computer data system daily. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
6	Pressure Drop >= 0.1 and Pressure Drop <= 6 inches w.c. across the particulate filter CD7 "MERV 15 cartridge filters". [N.J.A.C. 7:27-22.16(a)]	Pressure Drop: Monitored by pressure drop instrument continuously, based on an instantaneous determination The permittee shall install, calibrate and maintain the monitor(s) in accordance with the manufacturer's specifications. The monitor(s) shall be ranged such that the allowable value is approximately mid-scale of the full range current/voltage output. An alarm or other operational warning system shall be installed and shall be designed to sound when pressure drop less than or greater than the permitted operating range are detected at any time. [N.J.A.C. 7:27-22.16(a)]	Pressure Drop: Recordkeeping by manual logging of parameter or storing data in a computer data system each week during operation. [N.J.A.C. 7:27-22.16(a)]	None.
7	Particulates Control Efficiency >= 99 % of the filter CD7 "MERV 15 cartridge filters". [N.J.A.C. 7:27-22.16(a)]	Particulates Control Efficiency: Monitored by documentation of construction once initially. [N.J.A.C. 7:27-22.16(o)]	Other: Maintain construction document.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U101 Cutting and Shaping of Filament Wound Bearings, New Mixing Room and Tapeline Process with PM controlled by CD5, CD7 and CD9.**

Operating Scenario: **OS10 Cutting Bearings to size with Auto Cut-Off Saw (E209), controlled by CD7**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.92 lb/hr. Maximum allowable particulate emission rate for cutting bearings to size with cut-off saw (E209) based on 0.02 grains per SCF of stack gas flow. [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
2	TSP <= 0.08 lb/hr. [N.J.A.C. 7:27-22.16(a)]	TSP: Monitored by calculations once initially based on any 60 minutes period. [N.J.A.C. 7:27-22.16(o)]	TSP: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. [N.J.A.C. 7:27-22.16(o)]	None.
3	PM-10 (Total) <= 0.08 lb/hr. [N.J.A.C. 7:27-22.16(a)]	PM-10 (Total): Monitored by calculations once initially based on any 60 minute period. [N.J.A.C. 7:27-22.16(o)]	PM-10 (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. [N.J.A.C. 7:27-22.16(o)]	None.
4	PM-2.5 (Total) <= 0.08 lb/hr. [N.J.A.C. 7:27-22.16(a)]	PM-2.5 (Total): Monitored by calculations once initially based on any 60 minute period. [N.J.A.C. 7:27-22.16(o)]	PM-2.5 (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. [N.J.A.C. 7:27-22.16(o)]	None.
5	Total Production Rate <= 1,200 other units (final bearing pieces/hr.). [N.J.A.C. 7:27-22.16(a)]	Total Production Rate: Monitored by material feed/flow monitoring daily, based on a daily average. [N.J.A.C. 7:27-22.16(o)]	Total Production Rate: Recordkeeping by manual logging of parameter or storing data in a computer data system daily. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
6	Pressure Drop >= 0.1 and Pressure Drop <= 6 inches w.c. across the particulate filter CD7 "MERV 15 cartridge filters". [N.J.A.C. 7:27-22.16(a)]	Pressure Drop: Monitored by pressure drop Instrument continuously, based on an instantaneous determination. The permittee shall install, calibrate and maintain the monitor(s) in accordance with the manufacturer's specifications. The monitor(s) shall be ranged such that the allowable value is approximately mid-scale of the full range current/voltage output. An alarm or other operational warning system shall be installed and shall be designed to sound when pressure drop less than or greater than the permitted operating range are detected at any time. [N.J.A.C. 7:27-22.16(a)]	Pressure Drop: Recordkeeping by manual logging of parameter or storing data in a computer data system each week during operation. [N.J.A.C. 7:27-22.16(a)]	None.
7	Particulates Control Efficiency >= 99 % of the filter CD7 "MERV 15 cartridge filters". [N.J.A.C. 7:27-22.16(a)]	Particulates Control Efficiency: Monitored by documentation of construction once initially. [N.J.A.C. 7:27-22.16(o)]	Other: Maintain construction document.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U101 Cutting and Shaping of Filament Wound Bearings, New Mixing Room and Tapeline Process with PM controlled by CD5, CD7 and CD9.**

Operating Scenario: **OS11 Grinding tubes to size using Centered Grinder (E210), controlled by CD5**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.03 lb/hr. Maximum allowable particulate emission rate for grinding tubes to size using centered grinder (E210) based on 0.02 grains per SCF of stack gas flow. [N.J.A.C. 7:27-6.2(a)]	None.	None.	None.
2	TSP <= 0.09 lb/hr. [N.J.A.C. 7:27-22.16(a)]	TSP: Monitored by calculations once initially based on any 60 minute period. [N.J.A.C. 7:27-22.16(o)]	TSP: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. [N.J.A.C. 7:27-22.16(o)]	None.
3	PM-10 (Total) <= 0.09 lb/hr. [N.J.A.C. 7:27-22.16(a)]	PM-10 (Total): Monitored by calculations once initially based on any 60 minute period. [N.J.A.C. 7:27-22.16(o)]	PM-10 (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. [N.J.A.C. 7:27-22.16(o)]	None.
4	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 based on any 60 minute period. [N.J.A.C. 7:27-22.16(o)]	PM-2.5 (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. [N.J.A.C. 7:27-22.16(o)]	None.
5	Total Production Rate <= 1,080 inches of tube material/hr. [N.J.A.C. 7:27-22.16(a)]	Total Production Rate: Monitored by material feed/flow monitoring daily, based on a daily average. [N.J.A.C. 7:27-22.16(o)]	Total Production Rate: Recordkeeping by manual logging of parameter or storing data in a computer data system each week 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
6	Pressure Drop >= 0.1 and Pressure Drop <= 6 inches w.c. across the particulate filter CD5 "MERV 15 cartridge filters". [N.J.A.C. 7:27-22.16(a)]	Pressure Drop: Monitored by pressure drop instrument continuously, based on an instantaneous determination. The permittee shall install, calibrate and maintain the monitor(s) in accordance with the manufacturer's specifications. The monitor(s) shall be ranged such that the allowable value is approximately mid-scale of the full range current/voltage output. An alarm or other operational warning system shall be installed and shall be designed to sound when pressure drop less than or greater than the permitted operating range are detected at any time. When operating pressure reaches 4.5 in w.c the system automatically pulses to clean. [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 week during operation. [N.J.A.C. 7:27-22.16(o)]	None.
7	Particulates Control Efficiency >= 99 % of the Torit cartridge filter (CD5) "MERV 15 cartridge filters". [N.J.A.C. 7:27-22.16(a)]	Particulates Control Efficiency: Monitored by documentation of construction once initially. [N.J.A.C. 7:27-22.16(o)]	Other: Maintain construction document.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U101 Cutting and Shaping of Filament Wound Bearings, New Mixing Room and Tapeline Process with PM controlled by CD5, CD7 and CD9.**

Operating Scenario: **OS12 Grinding tubes to size using Centered Grinder (E211), controlled by CD5**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.03 lb/hr. Maximum allowable particulate emission rate for grinding tubes to size using centered grinder (E211) based on 0.02 grains per SCF of stack gas flow. [N.J.A.C. 7:27-6.2(a)]	None.	None.	None.
2	TSP <= 0.09 lb/hr. [N.J.A.C. 7:27-22.16(a)]	TSP: Monitored by calculations once initially based on any 60 minute period. [N.J.A.C. 7:27-22.16(o)]	TSP: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. [N.J.A.C. 7:27-22.16(o)]	None.
3	PM-10 (Total) <= 0.09 lb/hr. [N.J.A.C. 7:27-22.16(a)]	PM-10 (Total): Monitored by calculations once initially based on any 60 minute period. [N.J.A.C. 7:27-22.16(o)]	PM-10 (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. [N.J.A.C. 7:27-22.16(o)]	None.
4	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 based on any 60 minute period. [N.J.A.C. 7:27-22.16(o)]	PM-2.5 (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. [N.J.A.C. 7:27-22.16(o)]	None.
5	Total Production Rate <= 1,080 inches of tube material/hr. [N.J.A.C. 7:27-22.16(a)]	Total Production Rate: Monitored by material feed/flow monitoring daily, based on a daily average. [N.J.A.C. 7:27-22.16(o)]	Total Production Rate: Recordkeeping by manual logging of parameter or storing data in a computer data system each week 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
6	Pressure Drop >= 0.1 and Pressure Drop <= 6 inches w.c. across the particulate filter CD5 "MERV 15 cartridge filters". [N.J.A.C. 7:27-22.16(a)]	Pressure Drop: Monitored by pressure drop instrument continuously, based on an instantaneous determination. The permittee shall install, calibrate and maintain the monitor(s) in accordance with the manufacturer's specifications. The monitor(s) shall be ranged such that the allowable value is approximately mid-scale of the full range current/voltage output. An alarm or other operational warning system shall be installed and shall be designed to sound when pressure drop less than or greater than the permitted operating range are detected at any time. When operating pressure reaches 4.5 in w.c the system automatically pulses to clean. [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 week during operation. [N.J.A.C. 7:27-22.16(o)]	None.
7	Particulates Control Efficiency >= 99 % of the Torit cartridge filter (CD5) "MERV 15 cartridge filters". [N.J.A.C. 7:27-22.16(a)]	Particulates Control Efficiency: Monitored by documentation of construction once initially. [N.J.A.C. 7:27-22.16(o)]	Other: Maintain construction document.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U101 Cutting and Shaping of Filament Wound Bearings, New Mixing Room and Tapeline Process with PM controlled by CD5, CD7 and CD9.**

Operating Scenario: **OS13 Grinding tubes to size using Centered Grinder (E212), controlled by CD5**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.03 lb/hr. Maximum allowable particulate emission rate for grinding tubes using centered grinder (E212) based on 0.02 grains per SCF of stack gas flow. [N.J.A.C. 7:27-6.2(a)]	None.	None.	None.
2	TSP <= 0.09 lb/hr. [N.J.A.C. 7:27-22.16(a)]	TSP: Monitored by calculations once initially based on any 60 minute period. [N.J.A.C. 7:27-22.16(o)]	TSP: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. [N.J.A.C. 7:27-22.16(o)]	None.
3	PM-10 (Total) <= 0.09 lb/hr. [N.J.A.C. 7:27-22.16(a)]	PM-10 (Total): Monitored by calculations once initially based on any 60 minute period. [N.J.A.C. 7:27-22.16(o)]	PM-10 (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. [N.J.A.C. 7:27-22.16(o)]	None.
4	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 based on any 60 minute period. [N.J.A.C. 7:27-22.16(o)]	PM-2.5 (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. [N.J.A.C. 7:27-22.16(o)]	None.
5	Total Production Rate <= 1,080 inches of tube material/hr. [N.J.A.C. 7:27-22.16(a)]	Total Production Rate: Monitored by material feed/flow monitoring daily, based on a daily average. [N.J.A.C. 7:27-22.16(o)]	Total Production Rate: Recordkeeping by manual logging of parameter or storing data in a computer data system each week 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
6	Pressure Drop >= 0.1 and Pressure Drop <= 6 inches w.c. across the particulate filter CD5 "MERV 15 cartridge filters". [N.J.A.C. 7:27-22.16(a)]	Pressure Drop: Monitored by pressure drop instrument continuously, based on an instantaneous determination. The permittee shall install, calibrate and maintain the monitor(s) in accordance with the manufacturer's specifications. The monitor(s) shall be ranged such that the allowable value is approximately mid-scale of the full range current/voltage output. An alarm or other operational warning system shall be installed and shall be designed to sound when pressure drop less than or greater than the permitted operating range are detected at any time. When operating pressure reaches 4.5 in w.c the system automatically pulses to clean. [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 week during operation. [N.J.A.C. 7:27-22.16(o)]	None.
7	Particulates Control Efficiency >= 99 % of the Torit cartridge filter (CD5) "MERV 15 cartridge filters". [N.J.A.C. 7:27-22.16(a)]	Particulates Control Efficiency: Monitored by documentation of construction once initially. [N.J.A.C. 7:27-22.16(o)]	Other: Maintain construction document.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U101 Cutting and Shaping of Filament Wound Bearings, New Mixing Room and Tapeline Process with PM controlled by CD5, CD7 and CD9.**

Operating Scenario: **OS14 Grinding tubes to size with Centerless Grinder (E213), controlled by CD7**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.92 lb/hr. Maximum allowable particulate emission rate for cutting tubes to size with centerless grinder (E213) based on 0.02 grains per SCF of stack gas flow. [N.J.A.C. 7:27-6.2(a)]	None.	None.	None.
2	TSP <= 0.31 lb/hr. [N.J.A.C. 7:27-22.16(a)]	TSP: Monitored by calculations once initially based on any 60 ,imute period. [N.J.A.C. 7:27-22.16(o)]	TSP: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. [N.J.A.C. 7:27-22.16(o)]	None.
3	PM-10 (Total) <= 0.31 lb/hr. [N.J.A.C. 7:27-22.16(a)]	PM-10 (Total): Monitored by calculations once initially based on any 60 minute period. [N.J.A.C. 7:27-22.16(o)]	PM-10 (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. [N.J.A.C. 7:27-22.16(o)]	None.
4	PM-2.5 (Total) <= 0.31 lb/hr. [N.J.A.C. 7:27-22.16(a)]	PM-2.5 (Total): Monitored by calculations once initially based on any 60 minute period. [N.J.A.C. 7:27-22.16(o)]	PM-2.5 (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. [N.J.A.C. 7:27-22.16(o)]	None.
5	Total Production Rate <= 5,400 inches of tube material/hr. [N.J.A.C. 7:27-22.16(a)]	Total Production Rate: Monitored by material feed/flow monitoring daily, based on a daily average. [N.J.A.C. 7:27-22.16(o)]	Total Production Rate: Recordkeeping by manual logging of parameter or storing data in a computer data system daily. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
6	Pressure Drop >= 0.1 and Pressure Drop <= 6 inches w.c. across the particulate filter CD7 "MERV 15 cartridge filters". [N.J.A.C. 7:27-22.16(a)]	Pressure Drop: Monitored by pressure drop instrument continuously, based on an instantaneous determination The permittee shall install, calibrate and maintain the monitor(s) in accordance with the manufacturer's specifications. The monitor(s) shall be ranged such that the allowable value is approximately mid-scale of the full range current/voltage output. An alarm or other operational warning system shall be installed and shall be designed to sound when pressure drop less than or greater than the permitted operating range are detected at any time. [N.J.A.C. 7:27-22.16(a)]	Pressure Drop: Recordkeeping by manual logging of parameter or storing data in a computer data system each week during operation. [N.J.A.C. 7:27-22.16(a)]	None.
7	Particulates Control Efficiency >= 99 % of the filter CD7 "MERV 15 cartridge filters". [N.J.A.C. 7:27-22.16(a)]	Particulates Control Efficiency: Monitored by documentation of construction once initially. [N.J.A.C. 7:27-22.16(o)]	Other: Maintain construction document.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U101 Cutting and Shaping of Filament Wound Bearings, New Mixing Room and Tapeline Process with PM controlled by CD5, CD7 and CD9.**

Operating Scenario: **OS15 Grinding tubes to size with Centerless Grinder (E214), controlled by CD5**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.03 lb/hr. Maximum allowable particulate emission rate for cutting tubings with centerless grinder (E214) based on 0.02 grains per SCF of stack gas flow. [N.J.A.C. 7:27-6.2(a)]	None.	None.	None.
2	TSP <= 0.31 lb/hr. [N.J.A.C. 7:27-22.16(a)]	TSP: Monitored by calculations once initially based on any 60 minute period. [N.J.A.C. 7:27-22.16(o)]	TSP: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. [N.J.A.C. 7:27-22.16(o)]	None.
3	PM-10 (Total) <= 0.31 lb/hr. [N.J.A.C. 7:27-22.16(a)]	PM-10 (Total): Monitored by calculations once initially based on any 60 minute period. [N.J.A.C. 7:27-22.16(o)]	PM-10 (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. [N.J.A.C. 7:27-22.16(o)]	None.
4	PM-2.5 (Total) <= 0.31 lb/hr. [N.J.A.C. 7:27-22.16(a)]	PM-2.5 (Total): Monitored by calculations once initially based on any 60 minute period. [N.J.A.C. 7:27-22.16(o)]	PM-2.5 (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. [N.J.A.C. 7:27-22.16(o)]	None.
5	Total Production Rate: shall be limited to 5400 inches of tube material/hr. [N.J.A.C. 7:27-22.16(a)]	Total Production Rate: Monitored by material feed/flow monitoring daily, based on a daily average. [N.J.A.C. 7:27-22.16(o)]	Total Production Rate: Recordkeeping by manual logging of parameter or storing data in a computer data system daily. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
6	Pressure Drop >= 0.1 and Pressure Drop <= 6 inches w.c. across filter CD5 "MERV 15 cartridge filters". [N.J.A.C. 7:27-22.16(a)]	Pressure Drop: Monitored by pressure drop instrument continuously, based on an instantaneous determination The permittee shall install, calibrate and maintain the monitor(s) in accordance with the manufacturer's specifications. The monitor(s) shall be ranged such that the allowable value is approximately mid-scale of the full range current/voltage output. An alarm or other operational warning system shall be installed and shall be designed to sound when pressure drop less than or greater than the permitted operating range are detected at any time. [N.J.A.C. 7:27-22.16(a)]	Pressure Drop: Recordkeeping by manual logging of parameter or storing data in a computer data system each week during operation. [N.J.A.C. 7:27-22.16(a)]	None.
7	Particulates Control Efficiency >= 99 % of the filter CD5 "MERV 15 cartridge filters". [N.J.A.C. 7:27-22.16(a)]	Particulates Control Efficiency: Monitored by documentation of construction once initially. [N.J.A.C. 7:27-22.16(o)]	Other: Maintain construction document.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U101 Cutting and Shaping of Filament Wound Bearings, New Mixing Room and Tapeline Process with PM controlled by CD5, CD7 and CD9.**

Operating Scenario: **OS16 Twin Shell Mixing - Dry and Wet**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.5 lb/hr. Maximum allowable emission rate. Based on 0.02 grains per SCF. [N.J.A.C. 7:27-6.2(a)]	None.	None.	None.
2	TSP <= 0.05 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	Pressure Drop >= 0.1 and Pressure Drop <= 6 inches w.c. across the particulate filter CD5 "MERV 15 cartridge filters". [N.J.A.C. 7:27-22.16(a)]	Pressure Drop: Monitored by pressure drop instrument continuously, based on an instantaneous determination The permittee shall install, calibrate and maintain the monitor(s) in accordance with the manufacturer's specifications. The monitor(s) shall be ranged such that the allowable value is approximately mid-scale of the full range current/voltage output. An alarm warning system "sounds " when replacement is needed. shall be installed and shall be designed to sound when pressure drop less than or greater than the permitted operating range are detected at any time. [N.J.A.C. 7:27-22.16(a)]	Pressure Drop: Recordkeeping by manual logging of parameter or storing data in a computer data system each week during operation. [N.J.A.C. 7:27-22.16(a)]	None.
4	Pressure Drop >= 0.5 and Pressure Drop <= 1.5 inches w.c. across the particulate filter CD9. [N.J.A.C. 7:27-22.16(a)]	Pressure Drop: Monitored by visual determination each week during operation, based on an instantaneous determination The permittee shall install, calibrate and maintain the monitor(s) in accordance with the manufacturer's specifications. The monitor(s) shall be ranged such that the allowable value is approximately mid-scale of the full range current/voltage output/Pressure drop gauge. [N.J.A.C. 7:27-22.16(a)]	Pressure Drop: Recordkeeping by manual logging of parameter or storing data in a computer data system each week during operation. Mantained records of CD9 manufacturer maintenence requirements."a self contained portable dust collector unit to collect dust generated from the twin shell mixing". [N.J.A.C. 7:27-22.16(a)]	None.
5	Particulates Control Efficiency >= 99 % of the filter CD5 and CD9. . [N.J.A.C. 7:27-22.16(a)]	Particulates Control Efficiency: Monitored by documentation of construction once initially. [N.J.A.C. 7:27-22.16(o)]	Other: Maintain construction document.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U101 Cutting and Shaping of Filament Wound Bearings, New Mixing Room and Tapeline Process with PM controlled by CD5, CD7 and CD9.**

Operating Scenario: **OS17 Air Milling**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.5 lb/hr. Maximum allowable emission rate. Based on 0.02 grains per SCF. [N.J.A.C. 7:27-6.2(a)]	None.	None.	None.
2	TSP <= 0.05 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	Pressure Drop >= 0.1 and Pressure Drop <= 6 inches w.c. across the particulate filter CD5 "MERV 15 cartridge filters". [N.J.A.C. 7:27-22.16(a)]	Pressure Drop: Monitored by pressure drop instrument continuously, based on an instantaneous determination The permittee shall install, calibrate and maintain the monitor(s) in accordance with the manufacturer's specifications. The monitor(s) shall be ranged such that the allowable value is approximately mid-scale of the full range current/voltage output. An alarm warning system "sounds " when replacement is needed. shall be installed and shall be designed to sound when pressure drop less than or greater than the permitted operating range are detected at any time. [N.J.A.C. 7:27-22.16(a)]	Pressure Drop: Recordkeeping by manual logging of parameter or storing data in a computer data system each week during operation. [N.J.A.C. 7:27-22.16(a)]	None.
4	Particulates Control Efficiency >= 99 % of the filter CD5 "MERV 15 cartridge filters". [N.J.A.C. 7:27-22.16(a)]	Particulates Control Efficiency: Monitored by documentation of construction once initially. [N.J.A.C. 7:27-22.16(o)]	Other: Maintain manufacturing and construction documentation.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U101 Cutting and Shaping of Filament Wound Bearings, New Mixing Room and Tapeline Process with PM controlled by CD5, CD7 and CD9.**

Operating Scenario: **OS18 Preformer**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.5 lb/hr. Maximum allowable emission rate. Based on 0.02 grains per SCF. [N.J.A.C. 7:27-6.2(a)]	None.	None.	None.
2	TSP <= 0.05 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	Pressure Drop >= 0.1 and Pressure Drop <= 6 inches w.c. across the particulate filter CD5 "MERV 15 cartridge filters". [N.J.A.C. 7:27-22.16(a)]	Pressure Drop: Monitored by pressure drop instrument continuously, based on an instantaneous determination The permittee shall install, calibrate and maintain the monitor(s) in accordance with the manufacturer's specifications. The monitor(s) shall be ranged such that the allowable value is approximately mid-scale of the full range current/voltage output. An alarm warning system "sounds " when replacement is needed. shall be installed and shall be designed to sound when pressure drop less than or greater than the permitted operating range are detected at any time. [N.J.A.C. 7:27-22.16(a)]	Pressure Drop: Recordkeeping by manual logging of parameter or storing data in a computer data system each week during operation. [N.J.A.C. 7:27-22.16(a)]	None.
4	Particulates Control Efficiency >= 99 % of the filter CD5 "MERV 15 cartridge filters". [N.J.A.C. 7:27-22.16(a)]	Particulates Control Efficiency: Monitored by documentation of construction once initially. [N.J.A.C. 7:27-22.16(o)]	Other: Maintain manufacturing and construction documentation.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U101 Cutting and Shaping of Filament Wound Bearings, New Mixing Room and Tapeline Process with PM controlled by CD5, CD7 and CD9.**

Operating Scenario: **OS19 FRC Building Tapeline**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.5 lb/hr. Maximum allowable emission rate. Based on 0.02 grains per SCF. [N.J.A.C. 7:27-6.2(a)]	None.	None.	None.
2	TSP <= 0.05 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	Pressure Drop >= 0.1 and Pressure Drop <= 6 inches w.c. across the particulate filter CD5 "MERV 15 cartridge filters". [N.J.A.C. 7:27-22.16(a)]	Pressure Drop: Monitored by pressure drop instrument continuously, based on an instantaneous determination The permittee shall install, calibrate and maintain the monitor(s) in accordance with the manufacturer's specifications. The monitor(s) shall be ranged such that the allowable value is approximately mid-scale of the full range current/voltage output. An alarm warning system "sounds " when replacement is needed. shall be installed and shall be designed to sound when pressure drop less than or greater than the permitted operating range are detected at any time. [N.J.A.C. 7:27-22.16(a)]	Pressure Drop: Recordkeeping by manual logging of parameter or storing data in a computer data system each week during operation. [N.J.A.C. 7:27-22.16(a)]	None.
4	Particulates Control Efficiency >= 99 % of the filter CD5 "MERV 15 cartridge filters". [N.J.A.C. 7:27-22.16(a)]	Particulates Control Efficiency: Monitored by documentation of construction once initially. [N.J.A.C. 7:27-22.16(o)]	Other: Maintain manufacturing and construction documentation.[N.J.A.C. 7:27-22.16(o)].	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: **U101 Cutting and Shaping of Filament Wound Bearings, New Mixing Room and Tapeline Process with PM controlled by CD5, CD7 and CD9.**

Operating Scenario: **OS20 Tapeline Burnoff Oven - 0.25 MMBtu/hr natural gas fired oven for burnoff and curing.**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.5 lb/hr. Allowable emission rate (for each piece of equipment) based on 0.02 grains per standard cubic feet (SCF). [N.J.A.C. 7:27-6.2(a)]	None.	None.	None.
2	VOC (Total) <= 0.72 lb/hr. [N.J.A.C. 7:27-22.16(o)]	None.	None.	None.
3	TSP <= 0.05 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

GLACIER GARLOCK BEARINGS LLC DIV OF ENPRO IND (55889)
BOP210001

New Jersey Department of Environmental Protection
Facility Profile (General)

Facility Name (AIMS): Glacier Garlock Bearings LLC Div of ENPRC **Facility ID (AIMS):** 55889

Street Address: 700 MID ATLANTIC PKWY
THOROFARE, NJ 08086

Mailing Address: P O BOX 189
700 MID ATLANTIC PKWY
THOROFARE, NJ 08086

State Plane Coordinates:

X-Coordinate:	296,554
Y-Coordinate:	363,493
Units:	New Jersey State Plane 8
Datum:	NAD27
Source Org.:	DEP-GIS
Source Type:	DEP Program Database

County: Gloucester

Location Description: 400 feet west from the intersection of Mid Atlantic Parkway and Grove Road, in Thorofare.

Industry:

Primary SIC:	3568
Secondary SIC:	
NAICS:	332991

New Jersey Department of Environmental Protection
Facility Profile (General)

Contact Type: **Air Permit Information Contact**

Organization: Glacier Garlock Bearings LLC Div of ENPRO IND
Org. Type: LLC
Name: Gregory Luczny
NJ EIN: 22366197700
Title: Director of Operations, NA
Phone: (856) 686-2839 x
Fax: ( ) - x
Other: (856) 812-5102 x
Type: Mobile
Email: gregory.luczny@ggbearings.com
Mailing Address: P. O. Box 189
700 Mid Atlantic Parkway
Thorofare, NJ 08086

Contact Type: **BOP - Operating Permits**

Organization: Glacier Garlock Bearings LLC Div of ENPRO IND
Org. Type: LLC
Name: Gregory Luczny
NJ EIN: 22366197700
Title: Director of Operations, NA
Phone: (856) 686-2839 x
Fax: ( ) - x
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Email: gregory.luczny@ggbearings.com
Mailing Address: P. O. Box 189
700 Mid Atlantic Parkway
Thorofare, NJ 08086

Contact Type: **Consultant**

Organization: CDM Smith
Org. Type:
Name: Disha Shah
NJ EIN:
Title: Project Engineer
Phone: (860) 808-2257 x
Fax: ( ) - x
Other: ( ) - x
Type:
Email: shahdc@cdmsmith.com
Mailing Address: 77 Hartland St, Suite 201
East Hartford, CT 06108

New Jersey Department of Environmental Protection
Facility Profile (General)

Contact Type: Emission Statements

Organization: Glacier Garlock Bearings LLC Div of ENPRO IND
Org. Type: LLC
Name: Gregory Luczny
NJ EIN: 22366197700
Title: Director of Operations, NA
Phone: (856) 686-2839 x
Fax: ( ) - x
Other: (856) 812-5102 x
Type: Mobile
Email: gregory.luczny@ggbearings.com
Mailing Address: P. O. Box 189
700 Mid Atlantic Parkway
Thorofare, NJ 08086

Contact Type: Environmental Officer

Organization: Glacier Garlock Bearings LLC Div of ENPRO IND
Org. Type: LLC
Name: Gregory Luczny
NJ EIN: 22366197700
Title: Director of Operations, NA
Phone: (856) 686-2839 x
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Type: Mobile
Email: gregory.luczny@ggbearings.com
Mailing Address: P. O. Box 189
700 Mid Atlantic Parkway
Thorofare, NJ 08086

Contact Type: Fees/Billing Contact

Organization: Glacier Garlock Bearings LLC Div of ENPRO IND
Org. Type: LLC
Name: Gregory Luczny
NJ EIN: 22366197700
Title: Director of Operations, NA
Phone: (856) 686-2839 x
Fax: ( ) - x
Other: (856) 812-5102 x
Type: Mobile
Email: gregory.luczny@ggbearings.com
Mailing Address: P. O. Box 189
700 Mid Atlantic Parkway
Thorofare, NJ 08086

New Jersey Department of Environmental Protection
Facility Profile (General)

Contact Type: **On-Site Manager**

Organization: Glacier Garlock Bearings LLC Div of ENPRO IND
Org. Type: LLC

Name: Gregory Luczny
NJ EIN: 22366197700

Title: Director of Operations, NA

Phone: (856) 686-2839 x
Fax: ( ) - x
Other: (856) 812-5102 x
Type: Mobile
Email: gregory.luczny@ggbearings.com

Mailing Address: P. O. Box 189
700 Mid Atlantic Parkway
Thorofare, NJ 08086

Contact Type: **Operator**

Organization: Glacier Garlock Bearings LLC Div of ENPRO IND
Org. Type: LLC

Name: Glacier Garlock Bearings LLC
NJ EIN: 22366197700

Title:

Phone: (856) 686-2791 x
Fax: (856) 686-2853 x
Other: ( ) - x
Type:
Email:

Mailing Address: P. O. Box 189
700 Mid Atlantic Parkway
Thorofare, NJ 08086

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

Organization: Glacier Garlock Bearings LLC Div of ENPRO IND
Org. Type: LLC

Name: Gregory Luczny
NJ EIN: 22366197700

Title: Director of Operations, NA

Phone: (856) 686-2839 x
Fax: ( ) - x
Other: (856) 812-5102 x
Type: Mobile
Email: gregory.luczny@ggbearings.com

Mailing Address: P. O. Box 189
700 Mid Atlantic Parkway
Thorofare, NJ 08086

GLACIER GARLOCK BEARINGS LLC DIV OF ENPRO IND (55889)
BOP210001

New Jersey Department of Environmental Protection
Facility Profile (General)

Contact Type: **Responsible Official**

Organization: Glacier Garlock Bearings LLC Div of ENPRO IND
Org. Type: LLC

Name: GREGORY LUCZNY
NJ EIN: 22366197700

Title: Director of Operations, NA

Phone: (856) 686-2839 x

Fax: ( ) - x

Other: (856) 812-5102 x

Type: Mobile

Email: gregory.luczny@ggbearings.com

Mailing Address:
P. O. Box 189
700 Mid Atlantic Parkway
Thorofare, NJ 08086

GLACIER GARLOCK BEARINGS LLC DIV OF ENPRO IND (55889) Date: 07/11/2022
BOP210001

New Jersey Department of Environmental Protection
Non-Source Fugitive Emissions

FG NJID	Description of Activity Causing Emission	Location Description	Reasonable Estimate of Emissions (tpy)								
			VOC (Total)	NOx	CO	SO	TSP (Total)	PM-10	Pb	HAPS (Total)	Other (Total)
FG1	misc. vents; machining, assembly	production;assembly	0.200	0.000	0.000	0.000	0.200	0.100	0.000	0.00000000	0.000
Total			0.200	0.000	0.000	0.000	0.200	0.100	0.000	0.00000000	0.000

GLACIER GARLOCK BEARINGS LLC DIV OF ENPRO IND (55889)
BOP210001

Date: 7/11/2022

New Jersey Department of Environmental Protection
Insignificant Source Emissions

IS NJID	Source/Group Description	Equipment Type	Location Description	Estimate of Emissions (tpy)								
				VOC (Total)	NOx	CO	SO	TSP	PM-10	Pb	HAPS (Total)	Other (Total)
IS1	Natural Gas fired building heaters (< 1.0 MMbtu/hr rating)	Fuel Combustion Equipment (Other)	Facilitywide	0.040	0.800	0.670	0.000	0.060	0.060	0.000	0.00000000	0.000
IS2	Filament Winding (Shaping and Cutting < 50 lbs/hr)	Manufacturing and Materials Handling Equipment	Filament Winding Building	0.000	0.000	0.000	0.000	0.200	0.100	0.000	0.00000000	0.000
IS6	Aqueous Spray Cleaning and Coating < 5% VOC and HAPs	Cleaning Machine (Open Top: Cold)	Filament Winding Building	0.050	0.000	0.000	0.000	0.000	0.000	0.000	0.00000000	0.000
IS7	2 Wastewater Exempt Holding Tanks	Storage Vessel	Wastewater treatment area	0.100	0.000	0.000	0.000	0.000	0.000			
IS8	Three 2000 Btu/hr NG fired burners for Hydrogen burn off in each Sintering Line	Fuel Combustion Equipment (Other)	Sintering Lines	0.000	0.003	0.002	0.000	0.000	0.000			
Total				0.190	0.803	0.672	0.000	0.260	0.160	0.000	0.00000000	0.000

GLACIER GARLOCK BEARINGS LLC DIV OF ENPRO IND (55889) Date: 7/11/2022

BOP210001

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	Mixer 1	Mix Machine 1	Other Equipment	990001	1/13/1976	No	9/30/2000	
E2	DU Upright	Mix Machine 2	Other Equipment	990001	1/15/1994	No	9/30/2000	
E3	DU & NonDu	Mix Machine 3	Other Equipment	990001	1/30/1994	No	9/30/2000	
E6	Line 1 Oven	Impregenation Oven (Old Line)	Other Equipment	990003	1/1/1976	No	3/31/2000	
E10	Rig Mill 1	Spreading Rolling Mill	Manufacturing and Materials Handling Equipment	990003	1/1/1976	No	3/31/2000	
E11	Glove Box	Lead (Pb) weighing/preparation	Manufacturing and Materials Handling Equipment	960008	12/8/1976	No	9/30/2000	
E15	401003	Wastewater System	Manufacturing and Materials Handling Equipment	BOP050001	9/19/2005			
E16	401003 - 1	Wastewater System Hold Tank	Manufacturing and Materials Handling Equipment	BOP050001	9/19/2005			
E17	401003 - 2	Wastewater System Hold Tank	Manufacturing and Materials Handling Equipment	BOP050001	9/19/2005			
E18	401003 - 3	Wastewater System Hold Tank	Manufacturing and Materials Handling Equipment	BOP050001	9/19/2005			
E24	MCS Applicat	Application Station	Manufacturing and Materials Handling Equipment	90003	6/1/1992	No	2/23/2007	

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
E25	BurnOff/Curi	Burn Off & Cure Oven	Fuel Combustion Equipment (Other)	BOP070001	2/23/2007	No		
E33	BHP Oven 3	Impregnation Line Burn Off and Curing Oven (BHP) # 3	Fuel Combustion Equipment (Other)	990003	4/15/1998	No	3/31/2000	
E34	BHP Applicat	Application Station (BHP) # 3	Manufacturing and Materials Handling Equipment	990003	4/15/1998	No	3/31/2000	
E52	300802-C	Welder	Other Equipment	BOP040001	12/17/2004	No		
E53	300802-D	0.8 MMBTU/hr Washer/Dryer	Fuel Combustion Equipment (Other)	BOP040001	12/17/2004	No		
E54	300802-E	Sander	Other Equipment	BOP040001	12/17/2004	No		
E55	300802-G	Shear	Other Equipment	BOP040001	12/17/2004	No		
E104	Oven 4	Electric Curing Oven 4	Other Equipment	990004	12/1/1996	No	3/31/2000	
E106	500608	Wisconsin Electric Curing Oven	Other Equipment	BOP150002	7/1/2015	No		
E107	500607	Wisconsin NG fired Curing Oven (1 MMBTU/hr)	Fuel Combustion Equipment (Other)	BOP150002	7/1/2015	No		
E203	500510	Twin Blade Cut-Off Saw w/Tiger stop	Other Equipment	BOP030003	9/30/2003	No		
E204	500507	Tube Cut-Off Saw	Other Equipment	BOP030003	9/30/2003	No		
E205	500509	Auto Cut-Off Saw	Other Equipment	BOP030003	9/30/2003	No		
E206	500112	Centerless Grinder	Other Equipment	BOP030003	9/30/2003	No		
E208	500514	Auto Cut-Off Saw	Other Equipment	BOP070001	8/15/2005	No		

New Jersey Department of Environmental Protection
Equipment Inventory

Equip. NJID	Facility's Designation	Equipment Description	Equipment Type	Certificate Number	Install Date	Grand-Fathered	Last Mod. (Since 1968)	Equip. Set ID
E209	500515	Auto Cut-Off Saw	Other Equipment	BOP070001	9/1/2005	No		
E210	500102	Centered Grinder 1	Other Equipment	BOP140001	6/1/2012	No		
E211	500103	Centered Grinder 2	Other Equipment	BOP140001	6/1/2012	No		
E212	500105	Centered Grinder 3	Other Equipment	BOP140001	6/1/2012	No		
E213	500114	Centerless Grinder	Other Equipment	BOP150002	7/1/2015	No		
E214	500115	Centerless Grinder	Other Equipment	BOP150002	7/1/2015	No		
E301	Sinter 1	Electric Sinter Line 1	Other Equipment	960003	11/1/1975	No		
E401	Sinter2	Electric Sinter Line 2	Other Equipment	960004	10/1/1991	No		
E1011	No. 502301	Twin Shell Mixer	Other Equipment	BOP210002	7/1/2021			
E1012	No. 502401	Air Milling	Other Equipment	BOP210002	7/1/2021			
E1013	No. 501501	Preformer	Manufacturing and Materials Handling Equipment	BOP210002	7/1/2021			
E1014	FRCTapeline1	FRC Building Tapeline Process	Manufacturing and Materials Handling Equipment	BOP210002	7/1/2021			
E1015	BurnOff oven	Tapeline Burnoff Oven - 0.25 MMBtu/hr NG fired oven	Fuel Combustion Equipment (Other)	BOP210002	7/1/2021			
E2201	Sinter3	Electric Sinter Line 3	Other Equipment	960013	1/22/1997	No		

55889 GLACIER GARLOCK BEARINGS LLC DIV OF ENPRO IND BOP210001 E1 (Other Equipment)
Print Date: 7/11/2022

Make:	
Manufacturer:	Andrew Duffy
Model:	
Equipment Type:	solid/liquid mixer
Capacity:	18.00
Units:	gallons
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: typical mixer batch of DP4 is (4) 5 gal pails

55889 GLACIER GARLOCK BEARINGS LLC DIV OF ENPRO IND BOP210001 E2 (Other Equipment)
Print Date: 7/11/2022

Make:	
Manufacturer:	Andrew Duffy
Model:	Custom; serial# 10-93-9826
Equipment Type:	solids/liquids mixer
Capacity:	35.00
Units:	gallons
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:

55889 GLACIER GARLOCK BEARINGS LLC DIV OF ENPRO IND BOP210001 E3 (Other Equipment)
Print Date: 7/11/2022

Make:	
Manufacturer:	Andrew Duffy
Model:	custom
Equipment Type:	solids/liquid mixer
Capacity:	18.00
Units:	gallons
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:

55889 GLACIER GARLOCK BEARINGS LLC DIV OF ENPRO IND BOP210001 E6 (Other Equipment)
Print Date: 7/11/2022

Make:	
Manufacturer:	Infragours
Model:	Frittage series 27761
Equipment Type:	Electric Curing Oven
Capacity:	180.00
Units:	Kilowatts
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: Equivalent 0.614 Btu/hr

55889 GLACIER GARLOCK BEARINGS LLC DIV OF ENPRO IND BOP210001 E10 (Manufacturing and Materials Handling Equipment)

Make:	
Manufacturer:	Glacier
Model:	custom
Type of Manufacturing and Materials Handling Equipment:	spreading rolling mill
Capacity:	1.00E+00
Units:	other units
Description (if other):	batch/8-hour shift
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:	Line 1 Application Station

55889 GLACIER GARLOCK BEARINGS LLC DIV OF ENPRO IND BOP210001 E11 (Manufacturing and Materials Handling Equipment)

Make:	
Manufacturer:	
Model:	
Type of Manufacturing and Materials Handling Equipment:	Glove box for Lead preperation
Capacity:	1.00E+00
Units:	other units
Description (if other):	batch/shift
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:	

55889 GLACIER GARLOCK BEARINGS LLC DIV OF ENPRO IND BOP210001 E15 (Manufacturing and Materials Handling Equipment)

Make:	Ringwood
Manufacturer:	Ringwood Environmental Inc.
Model:	CE-200
Type of Manufacturing and Materials Handling Equipment:	Automatic Wastewater Treatment System
Capacity:	2.00E+02
Units:	gallons
Description (if other):	
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:	Automatic Wastewater System capable of processing 200 gallon/batch. The system consists of three cone bottom hold tanks designed to collect untreated water. Untreated water will automatically be transfered into the CE-200 system for treatment. The treated water will be stored in two cone bottom tanks prior to discharge or possible recycling within our facility. The CE-200 uses a batch system capable of processing 200 gallons per batch. Number of batches will be monitored and used to calculate how much water was processed daily through the system.

55889 GLACIER GARLOCK BEARINGS LLC DIV OF ENPRO IND BOP210001 E16 (Manufacturing and Materials Handling Equipment)

Make:	
Manufacturer:	
Model:	
Type of Manufacturing and Materials Handling Equipment:	collection tank
Capacity:	1.05E+03
Units:	gallons
Description (if other):	
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:	1050 gallon cone bottom holding tank used for collection of untreated water from mixing room, 100% biodegradable.

55889 GLACIER GARLOCK BEARINGS LLC DIV OF ENPRO IND BOP210001 E17 (Manufacturing and Materials Handling Equipment)

Make:	
Manufacturer:	
Model:	
Type of Manufacturing and Materials Handling Equipment:	collection tank
Capacity:	2.50E+03
Units:	gallons
Description (if other):	
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:	2500 gallon cone bottom tank used for collecting of floor scrubber/general cleaning water, 100% biodegradable.

55889 GLACIER GARLOCK BEARINGS LLC DIV OF ENPRO IND BOP210001 E18 (Manufacturing and Materials Handling Equipment)

Make:	
Manufacturer:	
Model:	
Type of Manufacturing and Materials Handling Equipment:	collection tank
Capacity:	1.05E+03
Units:	gallons
Description (if other):	
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:	1050 gallon cone bottom tank used for collecting of mush making process waste, hazard sludge waste dischaged into 55-gallon drums.

55889 GLACIER GARLOCK BEARINGS LLC DIV OF ENPRO IND BOP210001 E24 (Manufacturing and Materials Handling Equipment)

Make:	
Manufacturer:	Glacier
Model:	Custom
Type of Manufacturing and Materials Handling Equipment:	spreading rolling mill
Capacity:	1.00E+00
Units:	other units
Description (if other):	batch/8-hour shift
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:	Mush application station and spreading mill equipment

55889 GLACIER GARLOCK BEARINGS LLC DIV OF ENPRO IND BOP210001 E25 (Fuel Combustion Equipment (Other))
Print Date: 7/11/2022

Make:	
Manufacturer:	
Model:	
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	1.05
Type of Heat Exchange:	Direct
Equipment Type Description:	Two natural gas burners at 525,000 Btu/hr heat input each

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: For line 2

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

55889 GLACIER GARLOCK BEARINGS LLC DIV OF ENPRO IND BOP210001 E33 (Fuel Combustion Equipment (Other))
Print Date: 7/11/2022

Make:	
Manufacturer:	Glenro
Model:	Glenro
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	0.40
Type of Heat Exchange:	Direct
Equipment Type Description:	Two natural gas burners, each rated at 200,000 Btu/hr heat input each.

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: For line 3

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

55889 GLACIER GARLOCK BEARINGS LLC DIV OF ENPRO IND BOP210001 E34 (Manufacturing and Materials Handling Equipment)

Make:	
Manufacturer:	Glacier
Model:	custom
Type of Manufacturing and Materials Handling Equipment:	spreading rolling mill
Capacity:	1.00E+00
Units:	other units
Description (if other):	batch/8-hour shift
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:	For line 3

55889 GLACIER GARLOCK BEARINGS LLC DIV OF ENPRO IND BOP210001 E52 (Other Equipment)
Print Date: 7/11/2022

Make:	
Manufacturer:	LORS MACHINERY, INC
Model:	LTG-23/3322N
Equipment Type:	Spot Welder
Capacity:	
Units:	
Description:	

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

- (●) Yes
- ( ) No

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

- ( ) Yes
- (●) No

Comments: LTG 23 KVA Spot Welding Unit

55889 GLACIER GARLOCK BEARINGS LLC DIV OF ENPRO IND BOP210001 E53 (Fuel Combustion Equipment (Other))
Print Date: 7/11/2022

Make:	
Manufacturer:	NEW SMITH STAINLESS LTD
Model:	
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	0.80
Type of Heat Exchange:	Indirect
Equipment Type Description:	Washing and Air Drying Unit Heated by Natural Gas.

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:	Three Stage Washing Unit Uses 170-180 Degree F. High Pressure Water to Clean Steel Strip Prior to Sanding/Roughing Operation.

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

55889 GLACIER GARLOCK BEARINGS LLC DIV OF ENPRO IND BOP210001 E54 (Other Equipment)
Print Date: 7/11/2022

Make:	
Manufacturer:	Time saver
Model:	62 series 600-RT-C/2221-02
Equipment Type:	Processing of Strip Steel
Capacity:	
Units:	
Description:	

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

- ○ Yes
- ● No

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

- ○ Yes
- ● No

Comments: Power belt sanding equipment designed for maximum 10 inch wide steel strip roughening of surface operation.

55889 GLACIER GARLOCK BEARINGS LLC DIV OF ENPRO IND BOP210001 E55 (Other Equipment)
Print Date: 7/11/2022

Make:	
Manufacturer:	TBD (CUSTOM FABRICATION)
Model:	
Equipment Type:	Hydraulic Striping and Shearing
Capacity:	
Units:	
Description:	

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

- (●) Yes
- ( ) No

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

- ( ) Yes
- (●) No

Comments:

55889 GLACIER GARLOCK BEARINGS LLC DIV OF ENPRO IND BOP210001 E104 (Other Equipment)
Print Date: 7/11/2022

Make:	
Manufacturer:	Gruenberg
Model:	
Equipment Type:	Electric Oven
Capacity:	2.00
Units:	other units
Description:	Carts of filament cores per cure

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:

55889 GLACIER GARLOCK BEARINGS LLC DIV OF ENPRO IND BOP210001 E106 (Other Equipment)
Print Date: 7/11/2022

Make:	
Manufacturer:	Wisconsin Oven Corp
Model:	EWN-68-6B
Equipment Type:	Electric heated curing oven
Capacity:	1.00
Units:	other units
Description:	Cart of filament cores per cure
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:	From permit modification, BOP150002

55889 GLACIER GARLOCK BEARINGS LLC DIV OF ENPRO IND BOP210001 E107 (Fuel Combustion Equipment (Other))
Print Date: 7/11/2022

Make:	
Manufacturer:	Wisconsin Oven Corp
Model:	Batch-10/14/10-G
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	1.00
Type of Heat Exchange:	Direct
Equipment Type Description:	Natrural gas fired curing oven

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: From permit modification, BOP150002

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

55889 GLACIER GARLOCK BEARINGS LLC DIV OF ENPRO IND BOP210001 E203 (Other Equipment)
Print Date: 7/11/2022

Make:	
Manufacturer:	
Model:	Cut Off Saw
Equipment Type:	
Capacity:	875.00
Units:	other units
Description:	Pieces per 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:

55889 GLACIER GARLOCK BEARINGS LLC DIV OF ENPRO IND BOP210001 E204 (Other Equipment)
Print Date: 7/11/2022

Make:	
Manufacturer:	Saver Tribiano Italy
Model:	Custom
Equipment Type:	Special feature Tribiano Saver Saw
Capacity:	2,000.00
Units:	other units
Description:	Pieces per 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:	The Saver Saw cuts the ends of tubes to length to make a clean part

55889 GLACIER GARLOCK BEARINGS LLC DIV OF ENPRO IND BOP210001 E205 (Other Equipment)
Print Date: 7/11/2022

Make:	AI 529
Manufacturer:	
Model:	
Equipment Type:	Dual Cut-off Saw
Capacity:	1,200.00
Units:	other units
Description:	Pieces per 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:

55889 GLACIER GARLOCK BEARINGS LLC DIV OF ENPRO IND BOP210001 E206 (Other Equipment)
Print Date: 7/11/2022

Make:	
Manufacturer:	Cincinnati
Model:	
Equipment Type:	Centerless Grinder
Capacity:	200.00
Units:	other units
Description:	pieces per 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:

55889 GLACIER GARLOCK BEARINGS LLC DIV OF ENPRO IND BOP210001 E208 (Other Equipment)
Print Date: 7/11/2022

Make:	
Manufacturer:	
Model:	
Equipment Type:	Auto Cut-Off Saw
Capacity:	1,200.00
Units:	other units
Description:	Pieces per 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:

55889 GLACIER GARLOCK BEARINGS LLC DIV OF ENPRO IND BOP210001 E209 (Other Equipment)
Print Date: 7/11/2022

Make:	Savage
Manufacturer:	
Model:	SC-10A
Equipment Type:	Auto Cut-Off Saw
Capacity:	1,200.00
Units:	other units
Description:	Pieces per 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:

55889 GLACIER GARLOCK BEARINGS LLC DIV OF ENPRO IND BOP210001 E210 (Other Equipment)
Print Date: 7/11/2022

Make:	
Manufacturer:	Cincinnati
Model:	RAS Tech Grinder
Equipment Type:	
Capacity:	1,080.00
Units:	other units
Description:	Inches per 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:

55889 GLACIER GARLOCK BEARINGS LLC DIV OF ENPRO IND BOP210001 E211 (Other Equipment)
Print Date: 7/11/2022

Make:	
Manufacturer:	Cincinnati
Model:	RAS Tech Grinder
Equipment Type:	
Capacity:	1,080.00
Units:	other units
Description:	Inches per 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:

55889 GLACIER GARLOCK BEARINGS LLC DIV OF ENPRO IND BOP210001 E212 (Other Equipment)
Print Date: 7/11/2022

Make:	
Manufacturer:	Cincinnati
Model:	RAS Tech Grinder
Equipment Type:	
Capacity:	1,080.00
Units:	other units
Description:	Inches per 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:

55889 GLACIER GARLOCK BEARINGS LLC DIV OF ENPRO IND BOP210001 E213 (Other Equipment)
Print Date: 7/11/2022

Make:	
Manufacturer:	Cincinnati
Model:	350-20RK
Equipment Type:	Centerless Grinder
Capacity:	300.00
Units:	other units
Description:	Pieces per 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: From permit modification, BOP150002

55889 GLACIER GARLOCK BEARINGS LLC DIV OF ENPRO IND BOP210001 E214 (Other Equipment)
Print Date: 7/11/2022

Make:	
Manufacturer:	Cincinnati
Model:	350-20RK
Equipment Type:	Centerless Grinder
Capacity:	300.00
Units:	other units
Description:	Pieces per 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:	From permit modification, BOP150002

55889 GLACIER GARLOCK BEARINGS LLC DIV OF ENPRO IND BOP210001 E301 (Other Equipment)
Print Date: 7/11/2022

Make:	
Manufacturer:	Connection Electric
Model:	Frittage series
Equipment Type:	Electric Coil Induction Furnace
Capacity:	180.00
Units:	Kilowatts
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:

55889 GLACIER GARLOCK BEARINGS LLC DIV OF ENPRO IND BOP210001 E401 (Other Equipment)
Print Date: 7/11/2022

Make:	
Manufacturer:	Inductotherm
Model:	Type: SC18T+H20M4S
Equipment Type:	Electric Coil Induction Furnace
Capacity:	250.00
Units:	Kilowatts
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:

55889 GLACIER GARLOCK BEARINGS LLC DIV OF ENPRO IND BOP210001 E1011 (Other Equipment)
Print Date: 7/11/2022

Make:	
Manufacturer:	Patterson-Kelley
Model:	
Equipment Type:	SN # 263989
Capacity:	56.60
Units:	other units
Description:	Litres

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: Powders are placed in a twin shell mixer and rotated until homogenous.

55889 GLACIER GARLOCK BEARINGS LLC DIV OF ENPRO IND BOP210001 E1012 (Other Equipment)
Print Date: 7/11/2022

Make:	
Manufacturer:	Garlock/Trost T-15
Model:	
Equipment Type:	Air Milling equipment
Capacity:	100.00
Units:	Cubic feet per minute
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: High velocity streams of compressed air are used to incorporate fillers into the PTFE matrix.

55889 GLACIER GARLOCK BEARINGS LLC DIV OF ENPRO IND BOP210001 E1013 (Manufacturing and Materials Handling Equipment)

Make:	
Manufacturer:	Custom make
Model:	
Type of Manufacturing and Materials Handling Equipment:	hydraulic preformer
Capacity:	1.00E+02
Units:	other units
Description (if other):	millimeter diameter billets
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 finished mix is placed in a performer machine which compresses the wet mixture into a dense billet. This billet can be handled without crumbling. It is then transported to the paste extrusion line, where it will be converted into tape.

55889 GLACIER GARLOCK BEARINGS LLC DIV OF ENPRO IND BOP210001 E1014 (Manufacturing and Materials Handling Equipment)

Make:	
Manufacturer:	Glacier Garlock Bearings
Model:	Custom make and model
Type of Manufacturing and Materials Handling Equipment:	Paste Extrusion line
Capacity:	2.00E+01
Units:	other units
Description (if other):	feet per minute
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:	Capacity = 20 feet per min, 10 inches max width

55889 GLACIER GARLOCK BEARINGS LLC DIV OF ENPRO IND BOP210001 E1015 (Fuel Combustion Equipment (Other))

Make:	
Manufacturer:	Albertus Energy
Model:	PO 4011020993
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	0.25
Type of Heat Exchange:	Direct
Equipment Type Description:	Natural gas infrared oven to burn off and cure.

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

- ○ Yes
- ● No

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

- ○ Yes
- ● No

Comments:

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

55889 GLACIER GARLOCK BEARINGS LLC DIV OF ENPRO IND BOP210001 E2201 (Other Equipment)
Print Date: 7/11/2022

Make:	
Manufacturer:	Elman
Model:	
Equipment Type:	Electric Coil Induction Furnace
Capacity:	250.00
Units:	Kilowatts
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:

GLACIER GARLOCK BEARINGS LLC DIV OF ENPRO IND (55889) Date: 7/11/2022

BOP210001

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
CD3	Airflow	Particulate Control Cartridge Filter for Lead(Pb).	Particulate Filter (Cartridge)	5/1/2004	No		
CD4	Nilfisk	Particulate Control Vacuum Filter	Other	11/1/2012	No		
CD5	Torit Filter	Donaldson Torit Cartridge Filter	Particulate Filter (Cartridge)	11/1/2012	No		
CD7	Torit Filter	Donaldson Torit DFT3-24	Particulate Filter (Cartridge)	8/4/2015	No		
CD9	Dust Collect	Mixing Room2 Dust Collector Particulate Filter (Other)	Particulate Filter (Other)	7/1/2021	No		

55889 GLACIER GARLOCK BEARINGS LLC DIV OF ENPRO IND BOP210001 CD3 (Particulate Filter (Cartridge))
Print Date: 7/11/2022

Make:	Germ Free Laboratories
Manufacturer:	Germ Free Laboratories
Model:	
Number of Cartridges:	2
Size of Cartridges (ft^2):	1.46
Total Cartridge Area (ft^2):	2.90
Maximum Design Temperature Capability (°F):	115.0
Maximum Design Air Flow Rate (acfm):	300.0
Maximum Air Flow Rate to Filter Area Ratio:	103.40
Minimum Operating Pressure Drop (in. H2O):	2.50
Maximum Operating Pressure Drop (in. H2O):	5.50
Maximum Inlet Temperature (°F):	100.0
Maximum Operating Exhuast Gas Flow Rate (acfm):	
Method for Determining When Cartridge Replacement is Required:	Pressure drop gauge
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:	Weekly Inspection
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:	Controls emissions from lead measuring operation (glove box.) Airflow System is manufactured by Airflow Systems Inc

55889 GLACIER GARLOCK BEARINGS LLC DIV OF ENPRO IND BOP210001 CD4 (Other)
Print Date: 7/11/2022

Make:	Nilfisk-Advance India Ltd
Manufacturer:	Nilfisk-CFM
Model:	3907/18
Maximum Air Flow Rate to Control Device (acfm):	70
Maximum Temperature of Vapor Stream to Control Device (°F):	100
Minimum Temperature of Vapor Stream to Control Device (°F):	60
Minimum Moisture Content of Vapor Stream to Control Device (%):	
Minimum Pressure Drop Across Control Device (in. H20):	0.1
Maximum Pressure Drop Across Control Device (in. H20):	15
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:	weekly visua
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:	This device is an industrial vacuum cleaner, with filter area of 48.4ft2. STAR FILTER 560 POLYESTER - 7.75 square inches, 0.66 cfm, Max Waterlift = 196 inches. There are thermocouple temperature readout gauges and 100 degrees alarms (Automation Direct: Solo model 4848)

55889 GLACIER GARLOCK BEARINGS LLC DIV OF ENPRO IND BOP210001 CD5 (Particulate Filter (Cartridge))
Print Date: 7/11/2022

Make:	Downflo Oval
Manufacturer:	Donaldson Torit
Model:	DFO 4-16
Number of Cartridges:	16
Size of Cartridges (ft²):	190.00
Total Cartridge Area (ft²):	3,040.00
Maximum Design Temperature Capability (°F):	180.0
Maximum Design Air Flow Rate (acfm):	6,500.0
Maximum Air Flow Rate to Filter Area Ratio:	2.14
Minimum Operating Pressure Drop (in. H2O):	0.10
Maximum Operating Pressure Drop (in. H2O):	6.00
Maximum Inlet Temperature (°F):	100.0
Maximum Operating Exhuast Gas Flow Rate (acfm):	6,500.0
Method for Determining When Cartridge Replacement is Required:	Alarm sounds when New cartridge filter replacement is needed.
Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources):	5
Alternative Method to Demonstrate Control Apparatus is Operating Properly:	System self cleans nightly when offline. When operating pressure reaches 4.5 in w.c. the system automatically pulses to clean.
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:	PM emissions are already being controlled from E204, E210, E211 & E212. PM emissions from the new equipment E1021, E1022, E1023 and E1024 will now also be controlled by this CD5."

55889 GLACIER GARLOCK BEARINGS LLC DIV OF ENPRO IND BOP210001 CD7 (Particulate Filter (Cartridge))
Print Date: 7/11/2022

Make:	Donaldson Company
Manufacturer:	Donaldson Torit
Model:	DFT3-24
Number of Cartridges:	24
Size of Cartridges (ft²):	254.00
Total Cartridge Area (ft²):	6,096.00
Maximum Design Temperature Capability (°F):	180.0
Maximum Design Air Flow Rate (acfm):	12,000.0
Maximum Air Flow Rate to Filter Area Ratio:	1.97
Minimum Operating Pressure Drop (in. H2O):	0.10
Maximum Operating Pressure Drop (in. H2O):	6.00
Maximum Inlet Temperature (°F):	120.0
Maximum Operating Exhuast Gas Flow Rate (acfm):	12,000.0
Method for Determining When Cartridge Replacement is Required:	Pressure Gauge monitoring:if operating pressure drop is too high cartridge replace/MERV 15 cartridge
Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources):	11
Alternative Method to Demonstrate Control Apparatus is Operating Properly:	Visual inspections
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:	

55889 GLACIER GARLOCK BEARINGS LLC DIV OF ENPRO IND BOP210001 CD9 (Particulate Filter (Other))
Print Date: 7/11/2022

Make:	AER
Manufacturer:	AER control systems
Model:	Portable Fume Booth
Filter Description:	A self contained portable dust collector unit to collect dust generated from the twin shell mixing.
Total Filter Area (ft^2):	
Maximum Design Temperature Capability (°F):	
Maximum Design Air Flow Rate (acfm):	1,000.0
Maximum Air Flow Rate to Filter Area Ratio:	
Minimum Operating Pressure Drop (in. H2O):	0.50
Maximum Operating Pressure Drop (in. H2O):	1.50
Maximum Inlet Temperature (°F):	
Maximum Operating Exhuast Gas Flow Rate (acfm):	
Method for Determining When Filter Replacement is Required:	Pressure drop gauge
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:	weekly visual inspection
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:	The stand alone AER dust collector unit consists of: 1.Pre-filter: Flanders Pre Pleat 40 (standard capacity, 24" x 24" x 4", 80055.042424) 2.Filter: Tri-Dim Micro Cell 95. 0.3 micron 95% D.O.P. efficiency 3.1-1/2 HP motor, 3450 RPM

55889 GLACIER GARLOCK BEARINGS LLC DIV OF ENPRO IND BOP210001 CD9 (Particulate Filter (Other))
Print Date: 7/11/2022

GLACIER GARLOCK BEARINGS LLC DIV OF ENPRO IND (55889)
BOP210001

Date: 7/11/2022

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	Mix Room	Mixing Room Stack	Rectangle	12	28	160	70.0	60.0	85.0	1,400.0	0.0	3,000.0	Up	
PT3	Sinter1 in	Sinter 1	Round	6	25	200	150.0	60.0	200.0	8.0	0.0	10.0	Up	
PT4	Sinter1 out	Sinter 1 exit	Round	6	26	200	150.0	60.0	200.0	8.0	0.0	10.0	Up	
PT6	Oven 1(DX)	Line 1 Old Impregnation Oven	Round	12	27	150	250.0	60.0	270.0	600.0	0.0	835.0	Up	
PT10	Mill 1 (DX)	Line 1 Old Impregnation Spreading Rolling Mill	Round	12	25	150	70.0	60.0	85.0	600.0	0.0	835.0	Up	
PT20	Sinter 2	Sinter 2	Round	6	26	180	150.0	60.0	200.0	8.0	0.0	17.0	Up	
PT22	Sinter3	Sinter 3	Round	6	26	180	150.0	60.0	200.0	8.0	0.0	17.0	Up	
PT24	Mill 2	Line 2 Impregnation Mill	Rectangle	11	34	180	70.0	60.0	85.0	3,500.0	0.0	3,600.0	Up	
PT25	Oven 2	Line 2 Burn Off and Curing Oven	Rectangle	12	33	180	300.0	60.0	350.0	4,600.0	0.0	6,500.0	Up	
PT33	Oven 3	Line 3 Burn Off and Curing Oven	Rectangle	16	33	200	250.0	60.0	270.0	4,000.0	0.0	5,290.0	Up	
PT34	Mill 3	Line 3 Impregnation Mill	Round	8	34	200	70.0	60.0	85.0	1,400.0	0.0	1,500.0	Up	
PT41	Vent 1	Line 3 Impregnation Mill Exhaust Vent #1	Round	16	27	150	70.0	60.0	85.0	1,000.0	0.0	1,300.0	Up	
PT42	Vent 2	Line 3 Impregnation Mill Exhaust Vent #2	Round	16	26	150	70.0	60.0	85.0	1,000.0	0.0	1,900.0	Up	
PT43	Vent 3	Line 2 Impregnation Mill Exhaust Vent #3	Round	16	26	170	70.0	60.0	85.0	900.0	0.0	1,175.0	Up	
PT44	Vent 4	Line 2 Impregnation Mill Exhaust Vent #4	Round	16	26	170	70.0	60.0	85.0	900.0	0.0	1,585.0	Up	
PT50	WW vent	Exhaust near wastewater treatment	Surface	36	20	75	70.0	60.0	85.0	8,690.0	0.0	11,700.0	Horizontal	

GLACIER GARLOCK BEARINGS LLC DIV OF ENPRO IND (55889)
BOP210001

Date: 7/11/2022

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.		
PT51	Nilfisk Vent	Surface Roughening Nilfisk Vacuum filter CD4	Round	6	20	75	80.0	60.0	100.0	70.0	0.0	740.0	Up	
PT53	300802-D (1)	Washer/Dryer Stack - Steam	Round	18	26	200	150.0	60.0	180.0	1,000.0	0.0	1,200.0	Up	
PT54	300802-D (2)	Washer/Dryer Stack - Gas Combustion	Round	8	26	200	320.0	60.0	350.0	870.0	0.0	1,000.0	Up	
PT101	500608	New Oven, using old 500608 Stack	Round	9	18	110	385.0	125.0	500.0	300.0	0.0	400.0	Up	
PT104	Big Oven	Oven 4 Stack	Round	10	25	110	210.0	80.0	250.0	125.0	0.0	150.0	Up	
PT105	500607	New Gas fired Oven, using old 500607 Stack	Round	9	16	200	385.0	100.0	500.0	700.0	0.0	900.0	Up	
PT209	Torit filt	Filament winding cut-off saw, grinder and new mixing room Torit cartridge Filter (DF04-16)"	Round	24	15	100	85.0	60.0	100.0	6,500.0	0.0	6,500.0	Horizontal	
PT211	Torit filter	Filament winding grinders Torit model DFT3-24 Stack	Round	22	18	100	85.0	60.0	100.0	12,000.0	0.0	12,000.0	Horizontal	
PT212	TapelineOven	FRC Tapeline Burn off and curing oven	Round	6	35	72	300.0	60.0	300.0	300.0	220.0	380.0	Up	

GLACIER GARLOCK BEARINGS LLC DIV OF ENPRO IND (55889)
BOP210001

Date: 7/11/2022

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

U 1 Mixers Mixing Operations (Lubricant Mush Preparation) with OS4 controlled by CD3

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	Mixer 1	Mixing Non-DU Lubricant Mush (E1)	Normal - Steady State	E1		PT1	3-09-001-98	0.0	6,440.0	A	0.0	3,000.0	60.0	85.0
OS2	DU Upright	Mixing Lubricant Mush in DU Upright Mixer (E2)	Normal - Steady State	E2		PT1	3-09-001-98	0.0	6,440.0	A	0.0	3,000.0	60.0	85.0
OS3	DU & NonDU	Mixing Lubricant Mush in DU & Non-DU Upright Mixer (E3)	Normal - Steady State	E3		PT1	3-09-001-98	0.0	6,440.0	A	0.0	3,000.0	60.0	85.0
OS4	Lead Prep	Measuring Lead (Pb) DU Mix (E11)	Normal - Steady State	E11	CD3 (P)	PT1	3-09-001-98	0.0	1,500.0	A	0.0	300.0	60.0	100.0

U 2 Coil Impreg Application of Lubricant Mush and Tape Material to Sintered Master Coil

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	Line 1 DU	Apply DU Teflon Mix DX Line 1 (E10)	Normal - Steady State	E10		PT10	3-09-020-99	0.0	8,760.0	A	0.0	835.0	60.0	85.0
OS2	Line 1 NonDU	Apply Non-DU Teflon DX Mix Line 1 (E10)	Normal - Steady State	E10		PT10	3-09-020-99	0.0	8,760.0	A	0.0	835.0	60.0	85.0
OS3	Line 2 DU	Apply DU Teflon Mix MCS Line 2 (E24)	Normal - Steady State	E24		PT24 PT43 PT44	3-09-020-99	0.0	8,760.0	A	0.0	3,600.0	60.0	85.0

GLACIER GARLOCK BEARINGS LLC DIV OF ENPRO IND (55889)
BOP210001

Date: 7/11/2022

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

U 2 Coil Impreg Application of Lubricant Mush and Tape Material to Sintered Master Coil

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	Line 2 NonDU	Apply Non-DU Teflon Mix MCS Line 2 (E24)	Normal - Steady State	E24		PT24 PT43 PT44	3-09-020-99	0.0	8,760.0	A	0.0	3,600.0	60.0	85.0
OS5	Line 3 DU	Apply DU Teflon Mix BHP Line 3 (E34)	Normal - Steady State	E34		PT34 PT41 PT42	3-09-020-99	0.0	8,760.0	A	0.0	1,500.0	60.0	85.0
OS6	Line 3 NonDU	Apply Non-DU Teflon Mix BHP Line 3 (E34)	Normal - Steady State	E34		PT34 PT41 PT42	3-09-020-99	0.0	8,760.0	A	0.0	1,500.0	60.0	85.0
OS7	Oven1 DU	Cure DU Teflon Mix Line 1 (E6)	Normal - Steady State	E6		PT6	3-09-020-99	0.0	8,760.0	A	0.0	835.0	60.0	270.0
OS9	Oven3 DU	(2) Burnoff and cure ovens each rated at 0.2 MMBtu/hr for a total of 0.4 MMBtu/hr rating for Line 3, DU Teflon Mix. (See fuel at GR1)	Normal - Steady State	E33		PT33	3-09-900-03	0.0	8,760.0	A	0.0	5,290.0	60.0	270.0
OS10	Oven2 DU	(2) Burnoff and cure ovens each rated at 0.525 MMBtu/hr for a total of 1.05 MMBtu/hr rating for Line 2, DU Teflon Mix. (See fuel at GR1)	Normal - Steady State	E25		PT25	3-09-900-03	0.0	8,760.0	A	0.0	6,500.0	60.0	350.0
OS11	Oven1 NonDU	Cure Non-DU Teflon Mix Line 1 (E6)	Normal - Steady State	E6		PT6	3-09-020-99	0.0	8,760.0	A	0.0	835.0	60.0	270.0
OS12	Oven2 NonDU	(2) Burnoff and cure ovens each rated at 0.525 MMBtu/hr for a total of 1.05 MMBtu/hr rating for Line 2, Non-DU Teflon Mix. (See fuel at GR1)	Normal - Steady State	E25		PT25	3-09-900-03	0.0	8,760.0	A	0.0	6,500.0	60.0	350.0

GLACIER GARLOCK BEARINGS LLC DIV OF ENPRO IND (55889)
BOP210001

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OS13	Oven3 NonDU	(2) Burnoff and cure ovens each rated at 0.2 MMBtu/hr for a total of 0.4 MMBtu/hr rating for Line 3, Non-DU Teflon Mix. (See fuel at GR1)	Normal - Steady State	E33		PT33	3-09-900-03	0.0	8,760.0	A	0.0	5,290.0	60.0	270.0

U 3 WWTP Wastewater Treatment

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	WWTP	Industrial Wastewater Treatment System (E15)	Normal - Steady State	E15		PT50	3-09-820-02	2,000.0	8,760.0		0.0	10.0	60.0	100.0
OS5	Hold Tank 1	Industrial Wastewater Treatment Hold Tank 1 (E16)	Normal - Steady State	E16		PT50	3-09-820-02	2,000.0	8,760.0		0.0	10.0	60.0	100.0
OS6	Hold Tank 2	Industrial Wastewater Treatment Hold Tank 2 (E17)	Normal - Steady State	E17		PT50	3-09-820-02	2,000.0	8,760.0		0.0	10.0	60.0	100.0
OS7	Hold Tank 3	Industrial Wastewater Treatment Hold Tank 3 (E18)	Malfunction	E18		PT50	3-09-820-02	2,000.0	8,760.0		0.0	10.0	60.0	100.0

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U 4 Sintering Electric Sintering of Coils

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	300101	Elec Sinter Line 1 (E301)	Normal - Steady State	E301		PT3 PT4	3-04-022-01	800.0	8,760.0		0.0	10.0	60.0	200.0
OS2	300102	Elec Sinter Line 2 (E401)	Normal - Steady State	E401		PT20	3-04-022-01	800.0	8,760.0		0.0	17.0	60.0	200.0
OS3	300103	Elec Sinter Line 3 (E2201)	Normal - Steady State	E2201		PT22	3-04-022-01	800.0	8,760.0		0.0	17.0	60.0	200.0

U 5 300802 Line Linishing 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.
OS3	300802-C	Spot Welding of Coil Ends	Normal - Steady State	E52		PT51	3-09-005-00	50.0	8,760.0		5.0	10.0	60.0	100.0
OS4	300802-D	0.8 MMBTU/hr Water Heater (fired by Natural Gas) for Washing and Drying of Steel Strip	Normal - Steady State	E53		PT53 PT54	3-09-020-99	500.0	8,760.0		100.0	200.0	100.0	150.0
OS5	300802-E	Surface Roughening of Steel Strip controlled by Nilfisk dry vacuum filter CD4	Normal - Steady State	E54	CD4 (P)	PT51	3-09-003-04	0.0	8,760.0		0.0	740.0	70.0	100.0

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U 5 300802 Line Linishing 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.
OS6	300802-G	Shearing at End of Coil	Normal - Steady State	E55		PT51	3-09-001-98	50.0	8,760.0		5.0	10.0	60.0	100.0

U 100 Filament Ovens Curing of Filament Wound Bearings

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	Oven 4	Curing bearings in Gruenberg Electric Curing Oven (E104)	Normal - Steady State	E104		PT104	3-08-007-23	0.0	6,732.0		0.0	150.0	80.0	250.0
OS6	500608	Curing Bearings in Wisconsin Electric Curing Oven (E106)	Normal - Steady State	E106		PT101	3-08-007-23	0.0	8,760.0		0.0	400.0	125.0	500.0
OS7	500607	Curing Bearings in 1 MMbtu/hr Wisconsin Natural Gas fired Oven (E107)	Normal - Steady State	E107		PT105	3-08-007-23 3-08-900-03	0.0	8,760.0		0.0	900.0	100.0	500.0

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Emission Unit/Batch Process Inventory

U 101 Saw/Shap/Mix Cutting and Shaping of Filament Wound Bearings, New Mixing Room and Tapeline Process with PM controlled by CD5, CD7 and CD9.

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	Saw/Shaping	Cutting Bearings to size with Cut-Off Saw (E203) controlled by CD7	Normal - Steady State	E203	CD7 (P)	PT211	3-08-007-01 3-12-999-99	0.0	8,760.0		3,000.0	12,000.0	55.0	100.0
OS5	Saw/Shaping	Cutting Bearings to size with Tube Cut-Off Saw (E204), controlled by CD5	Normal - Steady State	E204	CD5 (P)	PT209	3-08-007-01	0.0	8,760.0		0.0	6,500.0	55.0	100.0
OS6	Saw/Shaping	Cutting Bearings to size with Auto Cut-Off Saw (E205) controlled by CD7	Normal - Steady State	E205	CD7 (P)	PT211	3-08-007-01 3-12-999-99	0.0	8,760.0		3,000.0	12,000.0	55.0	100.0
OS7	Saw/Shaping	Grinding tubes to size with Centerless Grinder (E206) controlled by CD7	Normal - Steady State	E206	CD7 (P)	PT211	3-12-999-99 3-08-007-01	0.0	8,760.0		3,000.0	12,000.0	55.0	100.0
OS9	Saw/Shaping	Cutting Bearings to size with Auto Cut-Off Saw (E208) controlled by CD7	Normal - Steady State	E208	CD7 (P)	PT211	3-08-007-01	0.0	8,760.0		3,000.0	12,000.0	55.0	100.0
OS10	Saw/Shaping	Cutting Bearings to size with Auto Cut-Off Saw (E209), controlled by CD7	Normal - Steady State	E209	CD7 (P)	PT211	3-08-007-01	0.0	8,760.0		3,000.0	12,000.0	55.0	100.0
OS11	Saw/Shaping	Grinding tubes to size using Centered Grinder (E210), controlled by CD5	Normal - Steady State	E210	CD5 (P)	PT209	3-08-007-01	0.0	8,760.0		0.0	6,500.0	55.0	100.0
OS12	Saw/Shaping	Grinding tubes to size using Centered Grinder (E211), controlled by CD5	Normal - Steady State	E211	CD5 (P)	PT209	3-08-007-01	0.0	8,760.0		0.0	6,500.0	55.0	100.0
OS13	Saw/Shaping	Grinding tubes to size using Centered Grinder (E212), controlled by CD5	Normal - Steady State	E212	CD5 (P)	PT209	3-08-007-01	0.0	8,760.0		0.0	6,500.0	55.0	100.0
OS14	Saw/Shaping	Grinding tubes to size with Centerless Grinder (E213), controlled by CD7	Normal - Steady State	E213	CD7 (P)	PT211	3-08-007-01	0.0	8,760.0		3,000.0	12,000.0	55.0	100.0

GLACIER GARLOCK BEARINGS LLC DIV OF ENPRO IND (55889)
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Emission Unit/Batch Process Inventory

U 101 Saw/Shap/Mix Cutting and Shaping of Filament Wound Bearings, New Mixing Room and Tapeline Process with PM controlled by CD5, CD7 and CD9.

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.
OS15	Saw/Shaping	Grinding tubes to size with Centerless Grinder (E214), controlled by CD5	Normal - Steady State	E214	CD5 (P)	PT209	3-08-007-01	0.0	8,760.0		0.0	6,500.0	55.0	100.0
OS16	Mixing	Twin Shell Mixing - Dry and Wet	Normal - Steady State	E1011	CD5 (S) CD9 (P)	PT209	3-09-001-98	0.0	8,760.0	A	0.0	6,500.0	60.0	85.0
OS17	Air Milling	Air Milling	Normal - Steady State	E1012	CD5 (P)	PT209	3-09-001-98	0.0	8,760.0	A	0.0	6,500.0	60.0	85.0
OS18	Tapeline Ext	Preformer	Normal - Steady State	E1013	CD5 (P)	PT209	3-09-001-98	0.0	8,760.0	A	0.0	6,500.0	60.0	85.0
OS19	FRCTapeline1	FRC Building Tapeline	Normal - Steady State	E1014	CD5 (P)	PT209	3-09-001-98	0.0	8,760.0	A	0.0	6,500.0	60.0	85.0
OS20	TapelineOven	Tapeline Burnoff Oven - 0.25 MMBtu/hr natural gas fired oven for burnoff and curing.	Normal - Steady State	E1015			3-09-001-98	0.0	8,760.0	A	220.0	380.0	60.0	300.0

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New Jersey Department of Environmental Protection
Subject Item Group Inventory

Group NJID: GR1 Nat Gas Comb

Members:

Type	ID	OS	Step
IS	IS1		
IS	IS8		
U	U 100	OS7 500607	
U	U 101	OS20 TapelineOven	
U	U 2	OS10 Oven2 DU	
U	U 2	OS12 Oven2 NonDU	
U	U 2	OS13 Oven3 NonDU	
U	U 2	OS9 Oven3 DU	
U	U 5	OS4 300802-D	

Formal Reason(s) for Group/Cap:

☑ Other

Other (explain): Facility wide cap on natural gas use

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

Operating Circumstances: