



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

CATHERINE R. McCABE

Commissioner

SHEILA Y. OLIVER

Lt. Governor

Air Pollution Control Operating Permit Renewal

Permit Activity Number: BOP160001

Program Interest Number: 17900

Mailing Address	Plant Location
JEFF AURICHIO PLANT MANAGER MAUSER USA LLC 14 CONVERY BLVD Woodbridge, NJ 07095	MAUSER USA, LLC 14 Convery Blvd Woodbridge Middlesex County

Initial Operating Permit Approval Date: November 19, 2002

Operating Permit Approval Date: Proposed

Operating Permit Expiration Date: November 18, 2022

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 Shafi Ahmed at (609) 633-2971.

Approved by:

David J. Owen

Enclosure

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

Facility Name: MAUSER USA, LLC
Program Interest Number: 17900
Permit Activity Number: BOP160001

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Section A

Facility Name: MAUSER USA, LLC
Program Interest Number: 17900
Permit Activity Number: BOP160001

POLLUTANT EMISSIONS SUMMARY

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

Facility's Potential Emissions from all Significant Source Operations (tons per year)										
Source Categories	VOC (total)	NO _x	CO	SO ₂	TSP (total)	PM ₁₀ (total)	PM _{2.5} ² (total)	Pb	HAPs* (total)	CO _{2e} ³
Emission Units Summary	84.7	17.4	32.1	NA	18.8	18.8	NA	NA	40.8	
Batch Process Summary	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Group Summary	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Total Emissions	84.7	17.4	32.1	NA	18.8	18.8	NA	NA	40.8	NA

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

Emissions from all Insignificant Source Operations and Non-Source Fugitive Emissions (tons per year)										
Source Categories	VOC (total)	NO _x	CO	SO ₂	TSP (total)	PM ₁₀ (total)	PM _{2.5} ² (total)	Pb	HAPs (total)	
Insignificant Source Operations	0.25	2.68	2.25	NA	0.26	0.26	NA	NA	NA	
Non-Source Fugitive Emissions ⁴	0.27	NA	NA	NA	0.09	0.09	NA	NA	0.27	

VOC: Volatile Organic Compounds TSP: Total Suspended Particulates PM_{2.5}: Particulates under 2.5 microns
 NO_x: Nitrogen Oxides Other: Any other air contaminant Pb: Lead
 CO: Carbon Monoxide regulated under the Federal CAA HAPs: Hazardous Air Pollutants
 SO₂: Sulfur Dioxide PM₁₀: Particulates under 10 microns 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 PM_{2.5} has been included in air permitting rules as of December 9, 2017. Consequently, PM_{2.5} totals in this section may not be up to date. The Department is in the process of updating these limits during each permit modification, and the entire permit will be updated at the time of permit renewal.

³ Total CO_{2e} emissions for the facility that includes all Significant Source Operations (emission units, batch process, group) and Insignificant Source Operations.

⁴ Non-Source Fugitive Emissions are defined at N.J.A.C. 7:27-22.1 and are included if the facility falls into one or more categories listed at N.J.A.C. 7:27-22.2(a)2.

Section A

Facility Name: MAUSER USA, LLC
Program Interest Number: 17900
Permit Activity Number: BOP160001

POLLUTANT EMISSIONS SUMMARY

Table 3: Summary of Hazardous Air Pollutants (HAP) Emissions from Significant Source Operations ⁵:

HAP	TPY
Ethyl Benzene	3.32
Glycol Ethers	21.5
Phenol	0.157
Xylene	15.8

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

Other Air Contaminant	TPY
N/A	

⁵ 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: MAUSER USA, LLC
Program Interest Number: 17900
Permit Activity Number: BOP160001

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: MAUSER USA, LLC
Program Interest Number: 17900
Permit Activity Number: BOP160001

STATE-ONLY APPLICABLE REQUIREMENTS

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

STATE-ONLY APPLICABLE REQUIREMENTS

The following applicable requirements are not federally enforceable:

<u>SECTION</u>	<u>SUBJECT ITEM</u>	<u>ITEM #</u>	<u>REF. #</u>
B	---	1	---
B	---	13b	---
D	FC	---	3
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Section D

Facility Name: MAUSER USA, LLC
Program Interest Number: 17900
Permit Activity Number: BOP160001

FACILITY SPECIFIC REQUIREMENTS AND INVENTORIES

FACILITY SPECIFIC REQUIREMENTS PAGE INDEX

Subject Item and Name Page Number

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Insignificant Sources (IS):

IS NJID	IS Description	
IS1	Space heaters (< 1 MMBtu/hr) firing natural gas	7
IS2	Ink Jet Printers (< 0.5 gal/hr and < 2.5 gal/day)	8

Groups (GR):

GR NJID	GR Designation	GR Description	
GR1	Fac Wide GR	Facility wide limits for coating and fuel consuming equipment	9
GR2	NESHAPS	Federal Requirements 40 CFR 63 Subpart A	10

Emission Units (U):

U NJID	U Designation	U Description	
U1	U001	Paint Application and Drying Ovens (Line 1 and Parts Dept and FRH) with RTO Emission Control Subject to NESHAPS 40 CFR 63 Subpart Mmmm	22
U2	U002	High Solids Paint Application (Line 2) using coatings compliant w/ NESHAPS 40 CFR 63 Subpart Mmmm	58
U3	U003	5.75 MMBtu/hr Natural Gas-Fired Hot Aqueous Parts Washer (E11) for Drum Lids and Drum Bottoms	71
U4	U004	Silk Screen Printing (E12 & E28) and Washing Station (E20)	74
U6	U006	Paint Supply Rooms (Paint Lockers)	78
U9	U009	Thermal Clean Oven for Drum Lids and Bottoms	87

MAUSER USA, LLC (17900)
BOP160001

Date:2/17/2021

New Jersey Department of Environmental Protection
Reason for Application

Permit Being Modified

Permit Class: BOP **Number:** 200002

Description of Modifications: This is the application for 5-Year Renewal of the Title V permit for the Mauser Corporation.

BOP160001

**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**

Subject Item: IS1 Space heaters (< 1 MMBtu/hr) firing natural gas

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	No visible emissions except for 3 minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-3.2(a)] & [N.J.A.C. 7:27- 3.2(c)]	Other: Periodic visual inspection.[N.J.A.C. 7:27-22.16(o)].	None.	None.

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

Subject Item: IS2 Ink Jet Printers (< 0.5 gal/hr and < 2.5 gal/day)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Opacity <= 20 % except for emissions which are greater than 20 % opacity, exclusive of condensed water vapor, for a period of not longer than three (3) minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-6.2(d)] &. [N.J.A.C. 7:27-6.2(e)]	Other: Periodic visual inspection. [N.J.A.C. 7:27-6.2(d)] &[N.J.A.C. 7:27- 6.2(e)].	None.	None.
2	Maximum application rate for surface coating formulations containing VOC not to exceed 0.5 gallons per hour and 2.5 gallons per day. [N.J.A.C. 7:27-16.7(e)1]	None.	None.	None.

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

Subject Item: GR1 Facility wide limits for coating and fuel consuming equipment

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Natural Gas Usage <= 376 MMft ³ for any 12 consecutive months. Annual fuel use limit for all natural gas consuming equipment (including the thermal oxidizer CD5). [N.J.A.C. 7:27-22.16(a)]	Natural Gas Usage: Monitored by fuel usage totalizing meter continuously. [N.J.A.C. 7:27-22.16(o)]	Natural Gas Usage: Recordkeeping by data acquisition system (DAS) / electronic data storage each month during operation , or via natural gas supplier(s) invoices, or manual logging in a logbook. Cubic feet (CF) for any 12 consecutive months shall be calculated by the sum of the CF consumed during any one month added to the sum of the CF consumed during the preceding 11 months. [N.J.A.C. 7:27-22.16(o)]	None.
2	Coating Usage <= 185,000 gallons for any 12 consecutive months (Low Solids Coating), for the entire facility. Annual coating usage limit from the preconstruction permit. [N.J.A.C. 7:27-22.16(a)]	Coating Usage: Monitored by material balance each month during operation or by production data using Predictive Emission Monitoring Systems (PEMS). Material balance shall be determined by using inventory and purchase data. [N.J.A.C. 7:27-22.16(o)]	Coating Usage: Recordkeeping by data acquisition system (DAS) / electronic data storage each month during operation , or manual logging in a logbook. The permittee shall maintain records documenting total low solids coating processed before thinning. Gallons for any 12 consecutive months shall be calculated by the sum of the gallons consumed during any one month added to the sum of the gallons consumed during preceding 11 months. [N.J.A.C. 7:27-22.16(o)]	None.
3	Coating Usage <= 54,000 gallons for any 12 consecutive months (High Solids Coating), for the entire facility. Annual coating usage limit from the preconstruction permit. [N.J.A.C. 7:27-22.16(a)]	Coating Usage: Monitored by material balance each month during operation or by production data using Predictive Emission Monitoring Systems (PEMS). Material balance shall be determined by using inventory and purchase data. [N.J.A.C. 7:27-22.16(o)]	Coating Usage: Recordkeeping by data acquisition system (DAS) / electronic data storage each month during operation , or manual logging in a logbook. The permittee shall maintain records documenting total high solids coating processed before thinning. Gallons for any 12 consecutive months shall be calculated by the sum of the gallons consumed during any one month added to the sum of the gallons consumed during preceding 11 months. [N.J.A.C. 7:27-22.16(o)]	None.

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

Subject Item: GR2 Federal Requirements 40 CFR 63 Subpart A

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	No owner or operator subject to the provisions of MACT Subpart A in 40 CFR 63 shall build, erect, install or use any article, machine, equipment or process to conceal an emission that would otherwise constitute noncompliance with a relevant standard. Such concealment includes, but is not limited to: (1) The use of diluents to achieve compliance with a relevant standard based on the concentration of a pollutant in the effluent discharged to the atmosphere; and (2) The use of gaseous diluents to achieve compliance with a relevant standard for visible emissions. (MACT Subpart A). [40 CFR 63.4(b)]	None.	None.	None.
2	The owner and operator must not use fragmentation or phasing of reconstruction activities (i.e., intentionally dividing reconstruction into multiple parts for purposes of avoiding new source requirements) to avoid becoming subject to new source requirements. (MACT Subpart A). [40 CFR 63.4(c)]	None.	None.	None.

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
3	<p>The owner or operator must operate and maintain any affected source at all times, including periods of startup and shutdown, and malfunction, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures (including the startup, shutdown, and malfunction plan required in 40 CFR 63.6(e)(3), review of operation and maintenance records, and inspection of the source. (MACT Subpart A) [40 CFR 63.6(e)(1)(i)]</p>	None.	None.	None.
4	<p>The owner or operator shall correct malfunctions as soon as practicable after their occurrence. To the extent that an unexpected event arises during a startup, shutdown, or malfunction, an owner or operator must comply by minimizing emissions during such a startup, shutdown, and malfunction event consistent with safety and good air pollution control practices. (MACT Subpart A) [40 CFR 63.6(e)(1)(ii)]</p>	None.	None.	None.

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
5	The owner or operator of the affected source must develop a written startup, shutdown and malfunction (SSM) plan that describes, in detail, procedures for operating and maintaining the source during periods of startup, shutdown and malfunction; and a program of corrective action for malfunctioning process, air pollution control, and monitoring equipment used to comply with the relevant standard. The SSM plan does not need to address any scenario that would not cause the source to exceed an applicable emission limitation in the relevant standard. This plan must be developed by the owner or operator by the source's compliance date for that relevant standard. (MACT Subpart A). [40 CFR 63.6(e)(3)(i)]	None.	Other: The owner or operator shall maintain the relevant records described in 40 CFR 63.10(b)(2)(i) through (2)(v) for a period of 5 years following the occurrence. Those records include the occurrence and duration of each startup or shutdown when the startup or shutdown causes the source to exceed any applicable limitaton in the relevant emission standards; the occurrence and duration of each malfunction of opertion or the required air pollution control and monitoring equipment; all required maintenance performed on the air pollution control and monitoring equipment; and corrective actions taken during periods of those startups, shutdowns or malfunction.[40 CFR 63.10(b)(2)].	None.
6	The owner or operator must maintain at the affected source a current startup, shutdown and malfunction plan and must make the plan available upon request for inspection and copying by the Administrator. In addition, if the startup, shutdown and malfunction plan is subsequently revised as provided in 40 CFR 63.6(e)(3)(viii), the owner or operator must maintain each previous (i.e., superseded) version of the startup, shutdown and malfunction plan, and must make each such previous version available for inspection and copying by the Administrator for a period of 5 years after revision of the plan. (MACT Subpart A). [40 CFR 63.6(e)(3)(v)]	None.	None.	Submit a report: Upon occurrence of event. The Administrator may at any time request in writing that the owner or operator submit a copy of any startup, shutdown and malfunction plan (or a portion thereof). Upon receipt of such a request, the owner or operator must promptly submit a copy of the requested plan (or a portion thereof) to the Administrator. The owner or operator may elect to submit the required copy of any startup, shutdown and malfunction plan to the Administrator in an electronic format. [40 CFR 63.6(e)(3)(v)]
7	The owner or operator of an affected source must develop and implement a written startup, shutdown, and malfunction plan for continuous monitoring system (CMS) as specified in 40 CFR 63.6(e)(3). (MACT Subpart A), [40 CFR 63.8(c)(1)(iii)]	None.	None.	None.

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
8	<p>The owner or operator of the affected source must record the actions taken during a startup, shutdown or malfunction during which the source exceeds any applicable emission standard and those actions are not consistent with the procedures specified in the affected source's startup, shutdown and malfunction plan. The owner or operator must report such actions to the Administrator. (MACT Subpart A). [40 CFR 63.6(e)(3)(iv)]</p>	<p>None.</p>	<p>Recordkeeping by other recordkeeping method (provide description) upon occurrence of event. The owner or operator shall maintain records of actions taken during periods of startup or shutdown when the source exceeded applicable emission limitations and when the actions taken are different from the procedures specified in the startup, shutdown and malfunction plan; or actions taken during periods of malfunction (including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation) when the actions are different from the procedures specified in the affected source's startup, shutdown and malfunction plan. [40 CFR 63.10(b)(2)(iv)]</p>	<p>Submit a report: Upon occurrence of event. The report shall consist of a telephone call or facsimile and shall be submitted within 2 working days after commencing action, followed by a letter delivered or postmarked within 7 working days after the end of the event. The letter shall contain: the name, title, and signature of the owner or operator or other responsible official certifying to the accuracy of the report. The report shall explain the circumstances of the event, explain the reasons for not following the startup, shutdown and malfunction plan, describe the excess emissions, and describe the actions taken to minimize the emissions in accordance with 40 CFR 63.6(e)(1)(i). [40 CFR 63.10(d)(5)(ii)]</p>
9	<p>The owner or operator of an affected source must keep records of actions taken during a startup, shutdown (and the startup or shutdown causes the source to exceed any applicable limitation in the relevant emission standards), or malfunction, which are consistent with the procedures specified in the affected source's startup, shutdown, or malfunction plan, including records of the occurrence and duration of each startup, shutdown, or malfunction of operation and each malfunction of the air pollution control and monitoring equipment. (MACT Subpart A). [40 CFR 63.6(e)(3)(iii)]</p>	<p>None.</p>	<p>Other: The owner or operator shall maintain all information necessary, including actions taken, to demonstrate conformance with the affected source's startup, shutdown, and malfunction plan when all actions taken during periods of startup or shutdown (and the startup or shutdown causes the source to exceed any applicable emission limitation in the relevant emission standards), and malfunction (including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation) are consistent with the procedures specified in such plan.[40 CFR 63.10(b)(2)(v)].</p>	<p>Submit a report: Semiannually beginning within 6 months of initial start-up. The startup, shutdown, or malfunction report shall consist of a letter containing: name, title, and signature of the owner or operator and shall be submitted to the Administrator. The report shall be delivered by the 30th day following the end of each calendar half. The report shall only be required if a startup, shutdown caused the source to exceed any applicable emission limitation in the relevant standard, or if a malfunction occurred during the reporting period, provided the action taken by the owner or operator are consistent with the procedures specified in the source's startup, shutdown, and malfunction plan. [40 CFR 63.10(d)(5)(i)]</p>

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
10	If the startup, shutdown, and malfunction plan fails to address or inadequately addresses an event that meets the characteristics of a malfunction (defined in 40 CFR 63.2), the owner or operator shall revise the plan within 45 days after the event to include detailed procedures for operating and maintaining the source during similar malfunctioning events, and a program of corrective action for similar malfunctions of process or air pollution control and monitoring equipment. (MACT Subpart A). [40 CFR 63.6(e)(3)(viii)]	None.	None.	Submit a report: As per the approved schedule. Each such revision to a startup, shutdown, and malfunction plan must be reported in the semiannual report required by 40 CFR 63.10(d)(5). [40 CFR 63.6(e)(3)(viii)]
11	The nonopacity emission standards shall apply at all times except during periods of startup, shutdown, and malfunction. (MACT Subpart A). [40 CFR 63.6(f)(1)]	None.	None.	None.
12	The owner or operator of the affected source required to do performance testing under a relevant standard shall conduct a performance test. Each performance test shall consist of three (3) separate runs and the arithmetic mean of the results of the three runs shall apply as specified in 40 CFR 63.7(e)(3). (MACT Subpart A). [40 CFR 63.7(a)(2)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The owner or operator shall maintain files for all information, including all reports and notifications, required by 40 CFR 63 in a form suitable and readily available for expeditious inspection and review. The files shall be retained for at least 5 years following the date of each record. At minimum, the most recent two years of data shall be retained on site. The remaining 3 years of data may be retained off site. Such files may be maintained on microfilm, on a computer, on a floppy disks, on magnetic tape disks, or on microfiche. [40 CFR 63.10(b)(1)]	Conduct a performance test: As per the approved schedule. Within 150 days of the compliance date of the source. [40 CFR 63.7(a)(2)]

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
13	The owner or operator of an affected source must notify the Administrator in writing before the performance test is scheduled. (MACT Subpart A). [40 CFR 63.7(b)(1)]	None.	Recordkeeping by other recordkeeping method (provide description) upon occurrence of event. The owner or operator shall maintain files for all information, including all reports and notifications, required by 40 CFR 63 in a form suitable and readily available for expeditious inspection and review. The files shall be retained for at least 5 years following the date of each record. At minimum, the most recent two years of data shall be retained on site. The remaining 3 years of data may be retained off site. Such files may be maintained on microfilm, on a computer, on a floppy disks, on magnetic tape disks, or on microfiche. [40 CFR 63.10(b)(1)]	Submit notification: As per the approved schedule. At least 60 days before the performance test is initially scheduled. Per 40 CFR 63.7(b)(2), the owner or operator shall notify the Administrator as soon as practicable and without delay prior to the scheduled test and specify the date when the performance test is rescheduled, if the owner or operator is unable to conduct the performance test as initially scheduled. [40 CFR 63.7(b)(1)]
14	The owner or operator of an affected source shall develop, before conducting a required performance test and, if requested by the Administrator, shall submit a site-specific plan to the Administrator for approval. The test plan shall include: test program summary, test schedule, data quality objectives, and an internal and external quality assurance (QA) program. An internal and external quality assurance (QA) program shall include the information prescribed in 40 CFR 6.7(c)(2)(ii) and (c)(2)(iii). (MACT Subpart A). [40 CFR 63.7(c)(2)(i)]	None.	Recordkeeping by other recordkeeping method (provide description) at no required frequency. The owner or operator shall maintain files of all information recorded in a form suitable and readily available for inspection. The files shall be retained for at least 5 years following the date of each record. At minimum, the most recent two years of data shall be retained on site. The remaining 3 years of data may be retained off site. Such files may be maintained on microfilm, on a computer, on a floppy disks, on magnetic tape disks, or on microfiche. [40 CFR 63.10(b)(1)]	Submit notification: As per the approved schedule. The site-specific test plan shall be submitted upon the Administrator's request at least 60 calendar days before the performance test is scheduled. [40 CFR 63.7(c)(2)(iv)]
15	The owner or operator of an affected source must analyze performance audit (PA) samples during each performance test. The owner or operator must request performance audit materials 30 days prior to the test date. (MACT Subpart A). [40 CFR 63.7(c)(4)(i)]	None.	None.	None.

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**New Jersey Department of Environmental Protection
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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
16	The owner or operator shall conduct the performance test under such conditions as the Administrator specifies based on representative performance. Upon request, the owner or operator shall make available to the Administrator such record. (MACT Subpart A). [40 CFR 63.7(e)(1)]	None.	None.	None.
17	The owner or operator of an affected source shall report the results of the performance test to the Administrator. [40 CFR 63.7(g)(1)]	None.	Recordkeeping by other recordkeeping method (provide description) upon occurrence of event. Results of performance test shall be maintained and recorded in a form suitable and readily available for expeditious inspection and review for at least 5 years following the date of each record. At minimum, the most recent two years of data shall be retained on site. The remaining 3 years of data may be retained off site. Such files may be maintained on microfilm, on a computer, on a floppy disks, on magnetic tape disks, or on microfiche. [40 CFR 63.10(b)(1)]	Submit notification: As per the approved schedule. The owner or operator shall report the results of the performance test before the close of business on the 60th day following the completion of the performance test. [40 CFR 63.10(d)(2)]
18	The owner or operator of an affected source shall conduct monitoring as specified in the relevant standard, unless otherwise specified by the Administrator. (MACT Subpart A). [40 CFR 63.8(b)(1)]	None.	None.	None.

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
19	The owner or operator of an affected source must maintain and operate each continuous monitoring system (CMS) as specified in 40 CFR 63.6(e)(1). (MACT Subpart A). [40 CFR 63.8(c)(1)(i)]	Other: The Administrator's determination of whether acceptable operation and maintenance procedures are being used will be based on information that may include, but is not limited to, review of operation and maintenance procedures, operation and maintenance records, CMS specifications, manufacturer's operation manual, maintenance recommendations and inspection criteria.[N.J.A.C. 7:27-22.16(o)].	Recordkeeping by other recordkeeping method (provide description) upon occurrence of event. The owner or operator shall maintain records of all CMS malfunction or inoperative periods (including out of control periods), all maintenance and adjustments performed for CMS as specified in 40 CFR 63.10(b) and (c). The reports shall be maintained and recorded in a form suitable and readily available for expeditious inspection and review for at least 5 years following the date of each record. At minimum, the most recent two years of data shall be retained on site. The remaining 3 years of data may be retained off site. Such files may be maintained on microfilm, on a computer, on a floppy disks, on magnetic tape disks, or on microfiche. [40 CFR 63.10(b)(1)]	Submit a report: Semi-annually on January 31 and July 31 of each year The owner or operator shall submit an excess emissions and continuous monitoring system performance report and/or a summary report to the Administrator semiannually. The report shall be delivered by the 30th day following the end of each calendar half. Per 40 CFR 63.10(e)(3)(v), written reports of excess emissions or exceedances of process or control system parameters shall include all the information required in 40 CFR 63.10(c)(5) through (c)(13), in 40 CFR 63.8(c)(7) and (c)(8), and in the relevant standard, and they shall contain the name, title, and signature of the responsible official who is certifying the accuracy of the report. When no excess emissions or exceedances of a parameter have occurred, or a CMS has not been inoperative, out of control, repaired, or adjusted, such information shall be stated in the report. [40 CFR 63.10(e)(3)(i)]
20	The owner or operator using more than one continuous monitoring system (CMS) to measure the emission from one affected source shall report the results as required, for each CMS. (MACT Subpart A). [40 CFR 63.8(b)(3)]	None.	None.	None.
21	The owner or operator of an affected source must keep the necessary parts for routine repairs of the affected continuous monitoring system (CMS) equipment readily available. (MACT Subpart A) [40 CFR 63.8(c)(1)(ii)]	None.	None.	None.
22	All CMS must be installed such that representative measures of emissions from the affected source are obtained. In addition all CEMS must be located according to precedures contained in the applicable performance specifications. (MACT Subpart A), [40 CFR 63.8(c)(2)(i)]	None.	None.	None.

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
23	<p>The owner or operator of the affected source shall take corrective action and conduct retesting, when the CMS is out of control. (MACT Subpart A). [40 CFR 63.8(c)(7)(ii)]</p>	None.	None.	<p>Submit a report: Upon occurrence of event. The owner or operator of a CMS that is out of control as defined in paragraph 40 CFR 63.8(c) shall submit all information concerning out-of-control periods, including start and end dates and hours and descriptions of corrective actions taken, in the excess emissions and continuous monitoring system performance report required in 40 CFR 63.10(e)(3). [40 CFR 63.8(c)(8)]</p>
24	<p>The owner or operator of the affected source shall notify the Administrator that the source becomes subject to Part 63, Subpart GGG. The notification shall include the following information:</p> <ul style="list-style-type: none"> i) The name and address of the owner or operator; ii) The address (i.e. physical location) of the affected source; iii) An identification of Part 63, Subpart GGG, that is the basis of notification and the source's compliance date; iv) A brief description of the nature, size, design, and method of operation of the source and identification of the types of emission points within the affected source subject to Part 63, Subpart GGG and types of hazardous air pollutants emitted; and v) A statement of whether the affected source is a major source or an area source. [40 CFR 63.9(b)(2)] 	None.	<p>Recordkeeping by other recordkeeping method (provide description) upon occurrence of event. Notification records shall be maintained and recorded in a form suitable and readily available for expeditious inspection and review for at least 5 years following the date of each record. At minimum, the most recent two years of data shall be retained on site. The remaining 3 years of data may be retained off site. Such files may be maintained on microfilm, on a computer, on a floppy disks, on magnetic tape disks, or on microfiche. [40 CFR 63.10(b)(1)]</p>	<p>Submit notification: As per the approved schedule. Submit notification within 120 calendar days after the source becomes subject to Part 63, Subpart GGG. [40 CFR 63.9(b)(2)]</p>

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
25	The owner or operator of a new or reconstructed major affected source must provide a notification of intention to construct a new major-emitting affected source, or reconstruct a major source that becomes a major-emitting affected source, with the application for approval of construction or reconstruction as specified in 40 CFR 63.5(d)(1)(i). (MACT Subpart A). [40 CFR 63.9(b)(4)]	None.	Recordkeeping by other recordkeeping method (provide description) once initially. Notification records shall be maintained and recorded in a form suitable and readily available for expeditious inspection and review for at least 5 years following the date of each record. At minimum, the most recent two years of data shall be retained on site. The remaining 3 years of data may be retained off site. Such files may be maintained on microfilm, on a computer, on a floppy disks, on magnetic tape disks, or on microfiche. [40 CFR 63.10(b)(1)]	Submit notification: As per the approved schedule. The application shall be submitted as soon as practicable before actual construction or reconstruction begins. The owner or operator may submit the application for approval well in advance of the date actual construction or reconstruction begins in order to ensure a timely review by the Administrator and that the planned date to begin will not be delayed. [40 CFR 63.5(d)(1)(i)]
26	The owner or operator of a new or reconstructed affected source must provide the following information to the Administrator: notification of intention to construct a new affected source, reconstruct an affected source, or reconstruct a source such that the source becomes an affected source and notification of the actual date of startup of the source shall be delivered or postmarked within 15 calendar days after that date. (MACT Subpart A). [40 CFR 63.9(b)(5)]	None.	Recordkeeping by other recordkeeping method (provide description) once initially. Notification records shall be maintained and recorded in a form suitable and readily available for expeditious inspection and review for at least 5 years following the date of each record. At minimum, the most recent two years of data shall be retained on site. The remaining 3 years of data may be retained off site. Such files may be maintained on microfilm, on a computer, on a floppy disks, on magnetic tape disks, or on microfiche. [40 CFR 63.10(b)(1)]	Submit notification: Upon occurrence of event. [40 CFR 63.9(b)(5)]
27	After a title V permit has been issued, the owner or operator of such source shall comply with all requirements for compliance status reports contained in the source's title V permit, including reports required under 40 CFR 63. After a title V permit has been issued to the owner or operator of an affected source, and each time a notification of compliance status is required under this part, the owner or operator of such source shall submit the notification of compliance status to the appropriate permitting authority following completion of the relevant compliance demonstration activity specified in the relevant standard. (MACT Subpart A). [40 CFR 63.9(h)(3)]	None.	Recordkeeping by other recordkeeping method (provide description) upon occurrence of event. Notification records shall be maintained and recorded in a form suitable and readily available for expeditious inspection and review for at least 5 years following the date of each record. At minimum, the most recent two years of data shall be retained on site. The remaining 3 years of data may be retained off site. Such files may be maintained on microfilm, on a computer, on a floppy disks, on magnetic tape disks, or on microfiche. [40 CFR 63.10(b)(1)]	Submit notification: As per the approved schedule. The notification shall be sent before the close of business on the 60th day following the completion of the relevant compliance demonstration to NJDEP. [40 CFR 63.9(h)(3)]

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
28	<p>The owner or operator shall submit all information required under 40 CFR 63 to the Regional Enforcement Office of NJDEP. In addition, per 40 CFR 63.9(a)(4)(ii), the owner or operator shall send a copy of each report submitted to NJ DEP under 40 CFR 63 to Director, Division of Enforcement and Compliance assistance, USEPA Region II, 290 Broadway, New York, NY 10007-1866. (MACT Subpart A). [40 CFR 63.10(a)(4)(ii)]</p>	None.	<p>Other: The owner or operator of an affected source subject to the provisions of this part shall maintain files of all information (including all reports and notifications) required by this part recorded in a form suitable and readily available for expeditious inspection and review. The files shall be retained for at least 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent 2 years of data shall be retained on site. The remaining 3 years of data may be retained off site. Such files may be maintained on microfilm, on a computer, on computer floppy disks, on magnetic tape disks, or on microfiche.[40 CFR 63.10(b)(1)].</p>	<p>Submit a report: As per the approved schedule. Submit reports and notificationtons as required by 40 CFR 63 to EPA Region 2 and NJDEP. [40 CFR 63.13(b)]</p>
29	<p>General Recordkeeping Requirement: The owner or operator shall maintain files of all information (including all reports and notifications) required by 40 CFR 63 recorded in a form suitable and readily available for expeditious inspection and review. The files shall be retained for at least 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent 2 years of data shall be retained on site. The remaining 3 years of data may be retained off site. The owner or operator shall maitlain relevant records per 40 CFR 63.10(b)(2) and 40 CFR63.10(c). (MACT Subpart A), [40 CFR 63.10(b)(1)]</p>	None.	None.	None.

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Emission Unit: U1 Paint Application and Drying Ovens (Line 1 and Parts Dept and FRH) with RTO Emission Control Subject to NESHAPS 40 CFR 63 Subpart Mmmm

Subject Item: CD5 6.9 MMBTU/hr Regenerative Thermal Oxidizer (RTO)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	VOC/HAP emissions from FRH external spray booth shall be controlled by this RTO (CD5). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
2	Oxygen >= 14 %. Flue gas oxygen content shall be greater than 14% except during start-up operating scenarios (applies to OS3 through OS8, and OS16). [N.J.A.C. 7:27-22.16(e)]	Oxygen: Monitored by continuous emission monitoring system continuously, based on a 1 hour block average. [N.J.A.C. 7:27-22.16(o)]	Oxygen: Recordkeeping by strip chart or data acquisition (DAS) system continuously. [N.J.A.C. 7:27-22.16(o)]	Submit a report: On or before every April 30, July 30, October 30, and January 30 for the preceding quarter year (the quarter years begin on January 1, April 1, July 1, and October 1) electronically through the NJDEP online EEMPR web portal. All quarterly and annual QA data shall be included in quarterly EEMPR reports and kept on file at the facility. The QA data must be made available to the Department upon request. [N.J.A.C. 7:27-22]. [N.J.A.C. 7:27-22.16(o)]
3	Thermal Oxidizer combustion chamber outlet temperature shall be equal or greater than 1500 degrees F except during start-up operating scenarios and when there is no VOC load to the oxidizer. [N.J.A.C. 7:27-22.16(e)]	Monitored by temperature instrument continuously, based on 1 minute intervals. The permittee shall 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. The sensor shall be installed at the exit of the combustion chamber and it shall be properly shielded from direct contact with the flame. The alarm shall be designed to sound when temperatures less than 1,500 deg F are detected at any time. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by strip chart or data acquisition (DAS) system continuously. [N.J.A.C. 7:27-22.16(o)]	None.
4	Design VOC Control Efficiency: The oxidizer shall have a minimum design destruction efficiency of 99 percent. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
5	The oxidizer shall be designed to operate with a Minimum Residence Time \geq 0.5 seconds. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

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Emission Unit: U1 Paint Application and Drying Ovens (Line 1 and Parts Dept and FRH) with RTO Emission Control Subject to NESHAPS 40 CFR 63 Subpart MMMM

Subject Item: CD8 Dry Filter - Spray Booth 2 (Line 1 Interior)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	The permittee shall inspect, maintain, and replace TSP filter (CD8) on a schedule which will ensure the filter's efficiency is maintained. [N.J.A.C. 7:27-22.16(a)]	Monitored by visual determination each week during operation. The owner or operator shall perform a visual inspection of the control device and repair or replace any defective or malfunctioning components. Replace filter media daily after use (in accordance with equipment details - manufacturer's recommendation). [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 owner or operator shall maintain readily available records for maintenance activities and inspections. The records shall include the date of the activity and/or inspection, results of the inspection, a description of work performed and the name of the person who performed the activity or inspection. [N.J.A.C. 7:27-22.16(o)]	None.
2	Design Control Efficiency <= 99 % for TSP filter CD8. The combined capture and removal efficiency for each filter shall be no less than 99 percent. [N.J.A.C. 7:27-22.16(a)]	Design Control Efficiency: Monitored by documentation of construction once initially. [N.J.A.C. 7:27-22.16(o)]	Design Control Efficiency: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Keep design specifications in file. [N.J.A.C. 7:27-22.16(o)]	None.

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Emission Unit: U1 Paint Application and Drying Ovens (Line 1 and Parts Dept and FRH) with RTO Emission Control Subject to NESHAPS 40 CFR 63 Subpart M

Subject Item: CD9 Dry Filter - Spray Booth 3 (Line 1 Exterior)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Design Control Efficiency <= 99 % for TSP filter CD9. The combined capture and removal efficiency for each filter shall be no less than 99 percent. [N.J.A.C. 7:27-22.16(a)]	Design Control Efficiency: Monitored by documentation of construction once initially. [N.J.A.C. 7:27-22.16(o)]	Design Control Efficiency: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Keep design specifications in file. [N.J.A.C. 7:27-22.16(o)]	None.
2	The permittee shall inspect, maintain, and replace TSP filter (CD9) on a schedule which will ensure the filter's efficiency is maintained. [N.J.A.C. 7:27-22.16(a)]	Monitored by visual determination each week during operation. The owner or operator shall perform a visual inspection of the control device and repair or replace any defective or malfunctioning components. Replace filter media daily after use (in accordance with equipment details - manufacturer's recommendation). [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 owner or operator shall maintain readily available records for maintenance activities and inspections. The records shall include the date of the activity and/or inspection, results of the inspection, a description of work performed and the name of the person who performed the activity or inspection. [N.J.A.C. 7:27-22.16(o)]	None.

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Emission Unit: U1 Paint Application and Drying Ovens (Line 1 and Parts Dept and FRH) with RTO Emission Control Subject to NESHAPS 40 CFR 63 Subpart Mmmm

Subject Item: CD10 Dry Filter - Spray Booth 4 (Parts Dept)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Design Control Efficiency <= 99 % for TSP filter CD10. The combined capture and removal efficiency for each filter shall be no less than 99 percent. [N.J.A.C. 7:27-22.16(a)]	Design Control Efficiency: Monitored by documentation of construction once initially. [N.J.A.C. 7:27-22.16(o)]	Design Control Efficiency: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Keep design specifications in file. [N.J.A.C. 7:27-22.16(o)]	None.
2	The permittee shall inspect, maintain, and replace TSP filter (CD10) on a schedule which will ensure the filter's efficiency is maintained. [N.J.A.C. 7:27-22.16(a)]	Monitored by visual determination each week during operation. The owner or operator shall perform a visual inspection of the control device and repair or replace any defective or malfunctioning components. Replace filter media daily after use (in accordance with equipment details - manufacturer's recommendation). [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 owner or operator shall maintain readily available records for maintenance activities and inspections. The records shall include the date of the activity and/or inspection, results of the inspection, a description of work performed and the name of the person who performed the activity or inspection. [N.J.A.C. 7:27-22.16(o)]	None.

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Emission Unit: U1 Paint Application and Drying Ovens (Line 1 and Parts Dept and FRH) with RTO Emission Control Subject to NESHAPS 40 CFR 63 Subpart M

Subject Item: CD12 FRH PAD Filter

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate (overspray) from FRH external spray booth shall be controlled by a pad filter (CD12). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
2	The permittee shall inspect, maintain, and replace pad filter (CD12) on a schedule which will ensure the filter's efficiency is maintained. [N.J.A.C. 7:27-22.16(a)]	Monitored by visual determination each week during operation. The owner or operator shall perform a visual inspection of the control device and repair or replace any defective or malfunctioning components. Replace filter media daily after use (in accordance with equipment details - manufacturer's recommendation.). [N.J.A.C. 7:27-22.16(a)]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The owner or operator shall maintain readily available records for maintenance activities and inspections. The records shall include the date of the activity and/or inspection, results of the inspection, a description of work performed and the name of the person who performed the activity or inspection. [N.J.A.C. 7:27-22.16(o)]	None.
3	Design Control Efficiency <= 99 % for TSP filter CD12. The combined capture and removal efficiency for each filter shall be no less than 99 percent. [N.J.A.C. 7:27-22.16(a)]	Design Control Efficiency: Monitored by documentation of construction once initially. [N.J.A.C. 7:27-22.16(o)]	Design Control Efficiency: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Keep design specifications in file. [N.J.A.C. 7:27-22.16(o)]	None.

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Emission Unit: U1 Paint Application and Drying Ovens (Line 1 and Parts Dept and FRH) with RTO Emission Control Subject to NESHAPS 40 CFR 63 Subpart MMMM

Operating Scenario: OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Summary Applicable Federal Regulations: 40 CFR 63 Subpart A 40 CFR 63 Subpart MMMM. [None]	None.	None.	None.
2	For additional applicable requirements for U1, see GR1 (Facility Wide Limits) and GR2 (NESHAP Subpart A). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
3	<p>RENEWAL STACK TESTING SUMMARY: The permittee shall conduct a stack test at least 18 months prior to the expiration of the renewed operating permit using an approved protocol to demonstrate compliance with efficiency (capture and destruction) for VOC (Total) as specified in this OS Summary and emission limits for VOC (Total), Phenol (OS3 through OS8), TSP (OS, OS5 & OS7), PM10 (OS3, OS5 & OS7), Ethylbenzene (OS4 & OS6), Glycol ethers (OS4, OS6 & OS8) , and Xylene (OS3 through OS7, & OS8). Testing must be conducted at worst-case permitted operating conditions with regard to meeting the applicable emission standards, but without creating an unsafe condition. The permittee may propose, in the stack test protocol, to use CEMS data to satisfy the stack testing requirements, for CO, with EMS approval. In order for EMS to approve using CEMS data at the time of the stack test, the CEMS must be certified and be in compliance with all daily, quarterly and annual quality assurance requirements. The CEMS shall monitor and record emissions in units identical to those required by the applicable stack testing conditions of this permit. CEMS data, if allowed by this permit, shall be taken at the same worst case conditions as described above. [N.J.A.C. 7:27-22.16(a)]</p>	<p>Other: Monitoring as required under the applicable operating scenario(s). [N.J.A.C. 7:27-22.16(o)].</p>	<p>Other: Recordkeeping as required under the applicable operating scenario(s). [N.J.A.C. 7:27-22.16(o)].</p>	<p>Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. Submit a stack test protocol to the Emission Measurement Section (EMS) at Mail Code: 09-01, PO Box 420, Trenton, NJ 08625 at least 30 months prior to the expiration of the approved operating permit. The protocol and test report must be prepared and submitted on a CD using the Electronic Reporting Tool (ERT), unless another format is approved by EMS. The ERT program can be downloaded at: https://www.epa.gov/chief. Within 30 days of protocol approval or no less than 60 days prior to the testing deadline, whichever is later, the permittee must contact EMS at 609-984-3443 to schedule a mutually acceptable test date.</p> <p>A full stack test report must be submitted to EMS and a certified summary test report must be submitted to the Regional Enforcement Office within 45 days after performing the stack test pursuant to N.J.A.C. 7:27-22.19(d). The test results must be certified by a licensed professional engineer or certified industrial hygienist. [N.J.A.C. 7:27-22.18(e)] and . [N.J.A.C. 7:27-22.18(h)]</p>
4	<p>Particulate Emissions <= 4.4 lb/hr for Operating Scenarios OS3 through OS8, inclusive, and OS16 based on 0.02 grains per standard cubic foot. [N.J.A.C. 7:27-6.2(a)]</p>	<p>None.</p>	<p>None.</p>	<p>None.</p>

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
5	Opacity <= 20 % except for emissions which are greater than 20 % opacity, exclusive of condensed water vapor, for a period of not longer than three (3) minutes 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.
6	VOC Control Efficiency >= 90 weight % of the VOC content in the surface coating formulation as applied each hour. [N.J.A.C. 7:27-16.7(c)4i]	VOC Control Efficiency: Monitored by stack emission testing prior to permit expiration date, based on each of three Department validated stack test runs. See OS Summary for details.. All testing and monitoring pursuant to the provisions of N.J.A.C. 7:27 Subchapter 16 shall be conducted using N.J.A.C. 7:27B-3 or another method approved in advance by the Department and acceptable to EPA. [N.J.A.C. 7:27-16.22(f)]	VOC Control Efficiency: Recordkeeping by stack test results upon occurrence of event. See OS Summary for details. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See OS Summary for details. [N.J.A.C. 7:27-22.16(o)]
7	Coating Application System Transfer Efficiency >= 60 % of solids by weight. [N.J.A.C. 7:27-16.7(d)]	Coating Application System Transfer Efficiency: Monitored by calculations once initially. [N.J.A.C. 7:27-16.7(d)]	Coating Application System Transfer Efficiency: Recordkeeping by manual logging of parameter once initially. [N.J.A.C. 7:27-16.7(d)]	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
8	<p>For operations using coatings which do not conform with the N.J.A.C. 7:27-16.7 VOC content limits, the Permittee shall maintain records of dates, number of hours and volume of formulations applied, density, any exempt organic substance and water in each formulation; and percent by weight in each formulation. A Predictive Emission Monitoring (PEM) system shall be utilized. Permittee shall maintain daily records of operation parameters (shells welded) and calculate, from standard application factors, the hours of application and volume of each coating used as a monthly total (or for a specific date, upon request of NJDEP.) [N.J.A.C. 7:27-16.7(n)] & [N.J.A.C. 7:27-22.16(o)]</p>	<p>Monitored by formulation data daily. Surface coating application parameters employed for the Predictive Emission Monitoring (PEM) system shall be verified annually (justified with material balance/purchasing records). [N.J.A.C. 7:27-16.7(n)] & [N.J.A.C. 7:27-22.16(o)]</p>	<p>Recordkeeping by manual logging of parameter or storing data in a computer data system daily. The Permittee applying surface coating formulations which do not conform with the applicable VOC content limit shall maintain the following records for each surface coating formulation including each change of diluent or concentration of diluent as applied:</p> <ul style="list-style-type: none"> i. The number of hours each surface coating formulation was applied and the date ii. The volume of each surface coating formulation applied; iii. The density of each surface coating formulation; iv. The density of the VOC in each surface coating formulation; v. The percent by weight of VOC in each surface coating formulation; vi. The percent by weight of any exempt organic substance in each surface coating formulation; vii. The percent by weight of any water in each surface coating formulation. [N.J.A.C. 7:27-16.7(n)] 	<p>Submit a report: Annually. Report shall compare low solids coatings' and high solids coatings' actual usages based on material balance/purchasing records (before thinning) versus usage predicted by PEM to Central Region Enforcement with results of verification in conjunction with submission of annual air emission statement. [N.J.A.C. 7:27-22.16(a)]</p>

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
9	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. 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.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
10	VOC (Total) <= 25.7 tons/yr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	VOC (Total): Monitored by calculations each month during operation. VOC emissions shall be determined by mass balance calculations, utilizing a Predictive Emission Monitoring (PEM) and application parameters each month of operation. Calculations shall be completed no later than 30 days after the end of each month. The annual air emissions report for each calendar year shall continue to be by material balance using purchase records/inventory data. [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Recordkeeping by data acquisition system (DAS) / electronic data storage each month during operation , or manual logging. Annual air emission total shall be calculated from year end inventory data and shall be completed by the required submittal date for December data each year. [N.J.A.C. 7:27-22.16(o)]	None.
11	NOx (Total) <= 13.8 tons/yr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
12	CO <= 29.3 tons/yr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
13	TSP <= 8.04 tons/yr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
14	PM-10 (Total) <= 8.04 tons/yr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
15	HAPs <= 12.8 tons/yr. Maximum emission rate. [N.J.A.C. 7:27-22.16(a)]	HAPs: Monitored by calculations each month during operation. HAP emissions shall be determined by mass balance calculations using PEM each month of operation. Calculations shall be completed no later than 30 days after the end of each month. [N.J.A.C. 7:27-22.16(o)]	HAPs: Recordkeeping by data acquisition system (DAS) / electronic data storage each month during operation , or manual logging. [N.J.A.C. 7:27-22.16(o)]	None.
16	Ethylbenzene <= 2.14 tons/yr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	Ethylbenzene: Monitored by calculations each month during operation. HAP emissions shall be determined by mass balance calculations using PEM each month of operation. Calculations shall be completed no later than 30 days after the end of each month. [N.J.A.C. 7:27-22.16(o)]	Ethylbenzene: Recordkeeping by data acquisition system (DAS) / electronic data storage each month during operation , or manual logging. [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
17	Glycol ethers <= 4.12 tons/yr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	Glycol ethers: Monitored by calculations each month during operation. HAP emissions shall be determined by mass balance calculations using PEM each month of operation. Calculations shall be completed no later than 30 days after the end of each month. [N.J.A.C. 7:27-22.16(o)]	Glycol ethers: Recordkeeping by data acquisition system (DAS) / electronic data storage each month during operation , or manual logging. [N.J.A.C. 7:27-22.16(o)]	None.
18	Phenol <= 0.105 tons/yr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	Phenol: Monitored by calculations each month during operation. HAP emissions shall be determined by mass balance calculations using PEM each month of operation. Calculations shall be completed no later than 30 days after the end of each month. [N.J.A.C. 7:27-22.16(o)]	Phenol: Recordkeeping by data acquisition system (DAS) / electronic data storage each month during operation , or manual logging. [N.J.A.C. 7:27-22.16(o)]	None.
19	Xylene <= 6.45 tons/yr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	Xylene: Monitored by calculations each month during operation. HAP emissions shall be determined by mass balance calculations using PEM each month of operation. Calculations shall be completed no later than 30 days after the end of each month. [N.J.A.C. 7:27-22.16(o)]	Xylene: Recordkeeping by data acquisition system (DAS) / electronic data storage each month during operation , or manual logging. [N.J.A.C. 7:27-22.16(o)]	None.
20	VOC Destruction and Capture Efficiency >= 95 %. [N.J.A.C. 7:27-22.16(e)]	VOC Destruction and Capture Efficiency: Monitored by stack emission testing prior to permit expiration date, based on the average of three Department validated stack test runs to determine VOC destruction efficiency. See RENEWAL STACK TESTING SUMMARY. [N.J.A.C. 7:27-22.16(o)]	VOC Destruction and Capture Efficiency: Recordkeeping by stack test results upon occurrence of event. See RENEWAL STACK TESTING SUMMARY. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See RENEWAL STACK TESTING SUMMARY. [N.J.A.C. 7:27-22.16(o)]
21	Operating Control Efficiency: Capture efficiency of the source emissions (including fugitives) shall be 100%. [N.J.A.C. 7:27-22.16(e)]	Operating Control Efficiency: Monitored by stack emission testing prior to permit expiration date. Compliance shall be demonstrated by stack emission testing once per permit term to determine VOC capture efficiency. See RENEWAL STACK TESTING SUMMARY. [N.J.A.C. 7:27-22.16(o)]	Operating Control Efficiency: Recordkeeping by stack test results upon occurrence of event. Retain capture efficiency reports. See RENEWAL STACK TESTING SUMMARY. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See RENEWAL STACK TESTING SUMMARY. [N.J.A.C. 7:27-22.16(o)]

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
22	CO <= 50 ppmvd uncorrected for O2 concentrations in the flue gas. Maximum emission limit when flue gas oxygen content is greater than 14% except during start-up operating scenarios and when there is no VOC load to the oxidizer. [N.J.A.C. 7:27-22.16(e)]	CO: Monitored by continuous emission monitoring system continuously, based on a 1 hour block average. [N.J.A.C. 7:27-22.16(o)]	CO: Recordkeeping by strip chart or data acquisition (DAS) system continuously. [N.J.A.C. 7:27-22.16(o)]	Submit a report: On or before every April 30, July 30, October 30, and January 30 for the preceding calendar quarter (the calendar quarters begin on January 1, April 1, July 1, and October 1) electronically through the NJDEP online EEMPR web portal. All quarterly and annual QA data shall be included in quarterly EEMPR reports and kept on file at the facility. The QA data must be made available to the Department upon request. [N.J.A.C. 7:27-22]. [N.J.A.C. 7:27-22.16(o)]
23	The owner or operator shall develop a QA/QC plan for all CEMS/COMS required by this permit prepared in accordance with the NJDEP Technical Manual 1005 posted on the AQPP webpage at http://www.state.nj.us/dep/aqpp . [N.J.A.C. 7:27-22.16(a)]	Other: The QA/QC coordinator shall be responsible for reviewing the QA/QC plan on an annual basis.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain readily accessible records of the QA/QC plan including QA date and quarterly reports.[N.J.A.C. 7:27-22.16(o)].	None.
24	This facility, that is an existing facility that manufactures miscellaneous metal parts and products including steel drums, is subject to National Emission Standards for Hazardous Air Pollutants (NESHAPs) at 40 CFR 63 Subpart MMMM. [40 CFR 63.3880]	None.	None.	None.
25	This facility shall manufacture steel drums using spray guns applying coatings to a metal substrate using only general use coatings as defined at [40 CFR 63.3881(a)(2)]	None.	None.	None.
26	The owner or operator of emission unit U1 shall comply with the standards as required in 40 CFR 63.3880 through 63.3981 (NESHAP Subpart MMMM), when applicable. The initial compliance date was January 2, 2007. [40 CFR 63.3883(b)]	Other: The owner or operator shall comply, as applicable, with the monitoring requirements as required in 40 CFR 63.3880 through 63.3981 (NESHAP Subpart MMMM).[40 CFR 63].	Other: The owner or operator shall comply, as applicable, with the recordkeeping requirements as required in 40 CFR 63.3880 through 63.3981 (NESHAP Subpart MMMM).[40 CFR 63].	Submit notification: As per the approved schedule. The owner or operator shall comply, as applicable, with the submittal/action requirements as required in 40 CFR 63.3880 through 63.3981 (NESHAP Subpart MMMM). [40 CFR 63]

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
27	HAPs <= 2.6 lb/gal (0.31 kg/liter) of coating solids applied. Limit at all times for organic HAP emissions to the atmosphere during each 12-month compliance period. (MACT Subpart MMMM condition). [40 CFR 63.3890(b)(1)]	HAPs: Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). To demonstrate continuous compliance with the applicable emission limit in the applicable requirement, the organic HAP emission rate for each compliance period, determined according to the procedures in 40 CFR 63.3961, must be equal to or less than the applicable emission limit in 40 CFR 63.3890. A compliance period consists of 12 months. Each month after the end of the initial compliance period described in 40 CFR 63.3960 is the end of a compliance period consisting of that month and the preceding 11 months. The permittee must perform the calculations in 40 CFR 63.3961 on a monthly basis using data from the previous 12 months of operation. {40 CFR 63.3963(a)} &. [40 CFR 63.3891(c)]	<p>HAPs: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The permittee shall keep records of the calculations specified in (i) through (v) below:</p> <p>(i) The calculation of the total mass of organic HAP emissions for the coatings, thinners and/or other additives, and cleaning materials used each month using Equations 1 and 1A through 1C of 40 CFR 63.3951 and, if applicable, the calculation used to determine mass of organic HAP in waste materials according to 40 CFR 63.3951(e)(4);</p> <p>(ii) The calculation of the total volume of coating solids used each month using Equation 2 of 40 CFR 63.3951;</p> <p>(iii) The calculation of the mass of organic HAP emission reduction by emission capture systems and add-on control devices using Equations 1 and 1A through 1D of 40 CFR 63.3961 and Equations 2, 3, and 3A through 3C of 40 CFR 63.3961, as applicable;</p> <p>(iv) The calculation of each month's organic HAP emission rate using Equation 4 of 40 CFR 63.3961; and</p> <p>(v) The calculation of each 12-month organic HAP emission rate using Equation 5 of 40 CFR 63.3961. (MACT Subpart MMMM condition). [40 CFR 63.3930(c)(4)]</p>	None.

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
28	Demonstrate for this emission unit that, based on the coatings, thinners and/or other additives, and cleaning materials used in the coating operation(s), and the emissions reductions achieved by emission capture system and add-on thermal oxidizer, the organic HAP emission rate for the coating operation(s) is less than or equal to the applicable emission limit above, calculated as a rolling 12-month emission rate and determined on a monthly basis. The facility must meet all the requirements of 40 CFR 63.3960 through 63.3968 to demonstrate compliance with the emission limits, operating limits, and work practice standards using this option. [40 CFR 62.3891(c)]	None.	None.	None.
29	The facility must meet the operating limit (average combustion temperature) that will apply to the emission capture and control system on the coating operation(s) after being established during the performance test conducted according to the requirements in 40 CFR 63.3967(a) and in the applicable requirement below. You must meet the operating limit at all times after you establish them. [40 CFR 63.3892(b)]	Monitored by temperature instrument continuously, based on 15 minute intervals. [40 CFR 63.3967(a)]	Recordkeeping by manual logging of parameter or storing data in a computer data system every 15 minutes. Determine the average of all recorded readings for each successive 3-hour period of the emission capture system and add-on control device operation. This average must be maintained above the limit determined in the performance test. From Table 1 of Subpart MMMM. [40 CFR 63.3968(a)]	None.

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
30	<p>The facility must develop and implement a work practice plan to minimize organic HAP emissions from the storage, mixing, and conveying of coatings, thinners and/or other additives, and cleaning materials used in, and waste materials generated by the controlled coating operation(s) for which for which this option is used. The plan must specify practices and procedures to ensure that, at a minimum, the elements specified in 40 CFR 63.3893(b)(1) through (5) are implemented:</p> <p>(1) All organic-HAP-containing coatings, thinners and/or other additives, cleaning materials, and waste materials must be stored in closed containers.</p> <p>(2) Spills of organic-HAP-containing coatings, thinners and/or other additives, cleaning materials, and waste materials must be minimized.</p> <p>(3) Organic-HAP-containing coatings, thinners and/or other additives, cleaning materials, and waste materials must be conveyed from one location to another in closed containers or pipes.</p> <p>(4) Mixing vessels which contain organic-HAP-containing coatings and other materials must be closed except when adding to, removing, or mixing the contents.</p> <p>(5) Emissions of organic HAP must be minimized during cleaning of storage, mixing, and conveying equipment.</p> <p>[NESHAP Subpart M] [40 CFR 63.3893(b)]</p>	None.	None.	None.

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
31	The facility must conduct a performance test of each capture system and add-on control device according to the procedures in 40 CFR 63.3964, 63.3965, and 63.3966 and establish the operating limits required by 40 CFR 63.3892 no later than the compliance date specified in 40 CFR 63.3883. The facility shall not be required to conduct an initial performance test to determine capture efficiency or destruction efficiency of a capture system or control device if it receives approval to use the results of a performance test that has been previously conducted on that capture system or control device. Any such previous tests must meet the conditions described in 40 CFR 63.3960(c)(1) through (3) [40 CFR 63.3960(b)]	Monitored by stack emission testing once initially, based on the average of three 1-hour tests. [40 CFR 63.3966(f)]	Recordkeeping by stack test results upon occurrence of event. [40 CFR 63.3966]	None.

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

Emission Unit: U1 Paint Application and Drying Ovens (Line 1 and Parts Dept and FRH) with RTO Emission Control Subject to NESHAPS 40 CFR 63 Subpart Mmmm

Operating Scenario: OS3 Internal Coating Spray Booth 2 (E6)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	VOC (Total) <= 0.81 lb/hr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	VOC (Total): Monitored by stack emission testing prior to permit expiration date, based on the average of three Department validated stack test runs. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Recordkeeping by stack test results upon occurrence of event. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]
2	TSP <= 0.405 lb/hr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	TSP: Monitored by stack emission testing prior to permit expiration date, based on the average of three Department validated stack test runs. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	TSP: Recordkeeping by stack test results upon occurrence of event. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: At no specified schedule. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]
3	PM-10 (Total) <= 0.405 lb/hr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	PM-10 (Total): Monitored by stack emission testing prior to permit expiration date, based on the average of three Department validated stack test runs. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	PM-10 (Total): Recordkeeping by stack test results upon occurrence of event. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: At no specified schedule. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]
4	Phenol <= 0.005 lb/hr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	Phenol: Monitored by stack emission testing prior to permit expiration date, based on the average of three Department validated stack test runs. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	Phenol: Recordkeeping by stack test results upon occurrence of event. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: At no specified schedule. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]
5	Xylene <= 0.241 lb/hr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	Xylene: Monitored by stack emission testing prior to permit expiration date, based on the average of three Department validated stack test runs. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	Xylene: Recordkeeping by stack test results upon occurrence of event. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: At no specified schedule. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]
6	HAPs: Emissions of other hazardous air pollutants shall remain below reporting thresholds. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

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

Emission Unit: U1 Paint Application and Drying Ovens (Line 1 and Parts Dept and FRH) with RTO Emission Control Subject to NESHAPS 40 CFR 63 Subpart M

Operating Scenario: OS4 12.8 MMBtu/hr Oven Dryer 1 (E7)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	VOC (Total) <= 6.51 lb/hr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	VOC (Total): Monitored by stack emission testing prior to permit expiration date, based on the average of three Department validated stack test runs. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Recordkeeping by stack test results upon occurrence of event. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: At no specified schedule. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]
2	NOx (Total) <= 0.8 lb/hr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	CO <= 2.67 lb/hr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
4	TSP <= 0.1 lb/hr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
5	PM-10 (Total) <= 0.1 lb/hr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
6	Ethylbenzene <= 0.7 lb/hr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	Ethylbenzene: Monitored by stack emission testing prior to permit expiration date, based on the average of three Department validated stack test runs. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	Ethylbenzene: Recordkeeping by stack test results upon occurrence of event. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: At no specified schedule. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]
7	Glycol ethers <= 0.578 lb/hr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	Glycol ethers: Monitored by stack emission testing prior to permit expiration date, based on the average of three Department validated stack test runs. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	Glycol ethers: Recordkeeping by stack test results upon occurrence of event. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: At no specified schedule. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]
8	Phenol <= 0.036 lb/hr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	Phenol: Monitored by stack emission testing prior to permit expiration date, based on the average of three Department validated stack test runs. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	Phenol: Recordkeeping by stack test results upon occurrence of event. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: At no specified schedule. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
9	Xylene <= 1.93 lb/hr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	Xylene: Monitored by stack emission testing prior to permit expiration date, based on the average of three Department validated stack test runs. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	Xylene: Recordkeeping by stack test results upon occurrence of event. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: At no specified schedule. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]
10	HAPs: Emissions of other hazardous air pollutants shall remain below reporting thresholds. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
11	Maximum Gross Heat Input <= 12.8 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(e)]	None.	Other: Keep record showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
12	Fuel type limited to natural gas only. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

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

Emission Unit: U1 Paint Application and Drying Ovens (Line 1 and Parts Dept and FRH) with RTO Emission Control Subject to NESHAPS 40 CFR 63 Subpart M

Operating Scenario: OS5 External Coating Spray Booth 3 (E8)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	VOC (Total) <= 1.13 lb/hr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	VOC (Total): Monitored by stack emission testing prior to permit expiration date, based on the average of three Department validated stack test runs. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Recordkeeping by stack test results upon occurrence of event. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: At no specified schedule. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]
2	TSP <= 0.57 lb/hr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	TSP: Monitored by stack emission testing prior to permit expiration date, based on the average of three Department validated stack test runs. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	TSP: Recordkeeping by stack test results upon occurrence of event. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: At no specified schedule. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]
3	PM-10 (Total) <= 0.57 lb/hr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	PM-10 (Total): Monitored by stack emission testing prior to permit expiration date, based on the average of three Department validated stack test runs. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	PM-10 (Total): Recordkeeping by stack test results upon occurrence of event. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: At no specified schedule. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]
4	Phenol <= 0.007 lb/hr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	Phenol: Monitored by stack emission testing prior to permit expiration date, based on the average of three Department validated stack test runs. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	Phenol: Recordkeeping by stack test results upon occurrence of event. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: At no specified schedule. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]
5	Xylene <= 0.336 lb/hr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	Xylene: Monitored by stack emission testing prior to permit expiration date, based on the average of three Department validated stack test runs. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	Xylene: Recordkeeping by stack test results upon occurrence of event. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: At no specified schedule. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]
6	HAPs: Emissions of other hazardous air pollutants shall remain below reporting thresholds. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

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Facility Specific Requirements**

Emission Unit: U1 Paint Application and Drying Ovens (Line 1 and Parts Dept and FRH) with RTO Emission Control Subject to NESHAPS 40 CFR 63 Subpart MMMM

Operating Scenario: OS6 6.4 MMBtu/hr Oven Dryer 2 (E9)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	VOC (Total) <= 4.55 lb/hr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	VOC (Total): Monitored by stack emission testing prior to permit expiration date, based on the average of three Department validated stack test runs. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Recordkeeping by stack test results upon occurrence of event. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: At no specified schedule. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]
2	NOx (Total) <= 0.8 lb/hr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	CO <= 1.34 lb/hr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
4	TSP <= 0.1 lb/hr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
5	PM-10 (Total) <= 0.1 lb/hr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
6	Ethylbenzene <= 0.489 lb/hr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	Ethylbenzene: Monitored by stack emission testing prior to permit expiration date, based on the average of three Department validated stack test runs. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	Ethylbenzene: Recordkeeping by stack test results upon occurrence of event. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: At no specified schedule. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]
7	Glycol ethers <= 0.404 lb/hr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	Glycol ethers: Monitored by stack emission testing prior to permit expiration date, based on the average of three Department validated stack test runs. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	Glycol ethers: Recordkeeping by stack test results upon occurrence of event. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: At no specified schedule. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]
8	Phenol <= 0.026 lb/hr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	Phenol: Monitored by stack emission testing prior to permit expiration date, based on the average of three Department validated stack test runs. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	Phenol: Recordkeeping by stack test results upon occurrence of event. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: At no specified schedule. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
9	Xylene <= 1.35 lb/hr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	Xylene: Monitored by stack emission testing prior to permit expiration date, based on the average of three Department validated stack test runs. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	Xylene: Recordkeeping by stack test results upon occurrence of event. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: At no specified schedule. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]
10	HAPs: Emissions of other hazardous air pollutants shall remain below reporting thresholds. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
11	Maximum Gross Heat Input <= 6.4 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(e)]	None.	Other: Keep record showing maximum heat input rate.[N.J.A.C. 7:27-22.16(e)].	None.
12	Fuel type limited to natural gas only. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

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

Emission Unit: U1 Paint Application and Drying Ovens (Line 1 and Parts Dept and FRH) with RTO Emission Control Subject to NESHAPS 40 CFR 63 Subpart M

Operating Scenario: OS7 Internal Coating of Parts in Spray Booth 4 (E17)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	VOC (Total) <= 0.43 lb/hr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	VOC (Total): Monitored by stack emission testing prior to permit expiration date, based on the average of three Department validated stack test runs. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Recordkeeping by stack test results upon occurrence of event. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: At no specified schedule. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]
2	TSP <= 0.21 lb/hr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	TSP: Monitored by stack emission testing prior to permit expiration date, based on the average of three Department validated stack test runs. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	TSP: Recordkeeping by stack test results upon occurrence of event. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: At no specified schedule. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]
3	PM-10 (Total) <= 0.21 lb/hr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	PM-10 (Total): Monitored by stack emission testing prior to permit expiration date, based on the average of three Department validated stack test runs. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	PM-10 (Total): Recordkeeping by stack test results upon occurrence of event. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: At no specified schedule. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]
4	Phenol <= 0.0025 lb/hr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	Phenol: Monitored by stack emission testing prior to permit expiration date, based on the average of three Department validated stack test runs. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	Phenol: Recordkeeping by stack test results upon occurrence of event. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: At no specified schedule. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]
5	HAPs: Emissions of other hazardous air pollutants shall remain below reporting thresholds. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	TSP filters shall be designed to ensure they achieve >= 99% control efficiency. [N.J.A.C. 7:27-22.16(a)]	None.	Other: Retain design specifications in file. [N.J.A.C. 7:27-22.16(o)].	None.

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

Emission Unit: U1 Paint Application and Drying Ovens (Line 1 and Parts Dept and FRH) with RTO Emission Control Subject to NESHAPS 40 CFR 63 Subpart MMMM

Operating Scenario: OS8 6 MMBtu/hr Oven Dryer 3 (E18)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	VOC (Total) <= 1.66 lb/hr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	VOC (Total): Monitored by stack emission testing prior to permit expiration date, based on the average of three Department validated stack test runs. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Recordkeeping by stack test results upon occurrence of event. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: At no specified schedule. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]
2	NOx (Total) <= 0.6 lb/hr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	CO <= 1.26 lb/hr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
4	TSP <= 0.07 lb/hr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
5	PM-10 (Total) <= 0.07 lb/hr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
6	Glycol ethers <= 0.147 lb/hr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	Glycol ethers: Monitored by stack emission testing prior to permit expiration date, based on the average of three Department validated stack test runs. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	Glycol ethers: Recordkeeping by stack test results upon occurrence of event. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: At no specified schedule. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]
7	Xylene <= 0.493 lb/hr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	Xylene: Monitored by stack emission testing prior to permit expiration date, based on the average of three Department validated stack test runs. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	Xylene: Recordkeeping by stack test results upon occurrence of event. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: At no specified schedule. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]
8	Phenol <= 0.036 lb/hr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	Phenol: Monitored by stack emission testing prior to permit expiration date, based on the average of three Department validated stack test runs. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	Phenol: Recordkeeping by stack test results upon occurrence of event. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: At no specified schedule. See the stack testing requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]
9	HAPs: Emissions of other hazardous air pollutants shall remain below reporting thresholds. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

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Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
10	Fuel type limited to natural gas only. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
11	Maximum Gross Heat Input <= 6 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(e)]	None.	Other: Keep record showing maximum heat input rate.[N.J.A.C. 7:27-22.16(e)].	None.

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

Emission Unit: U1 Paint Application and Drying Ovens (Line 1 and Parts Dept and FRH) with RTO Emission Control Subject to NESHAPS 40 CFR 63 Subpart Mmmm

Operating Scenario: OS10 Popper Vent for Spray Booths 1 and 2 (E5 & E6), OS14 Popper Vent for Spray Booth 4 (E17), OS18 Popper Vent for Spray Booth 6 (E19)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.5 lb/hr based on 0.02 grains per standard cubic foot. [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
2	No surface coating usage is permitted during this operating scenario. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	TSP < 0.05 lb/hr (below the reporting threshold). [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

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

Emission Unit: U1 Paint Application and Drying Ovens (Line 1 and Parts Dept and FRH) with RTO Emission Control Subject to NESHAPS 40 CFR 63 Subpart MMMM

Operating Scenario: OS11 Popper Vent for 12.8 MMBtu/hr Oven Dryer 1 (E7)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.8 lb/hr based on 0.02 grains per standard cubic foot. [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
2	NOx (Total) <= 1.76 lb/hr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	CO <= 0.44 lb/hr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
4	TSP <= 0.17 lb/hr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
5	PM-10 (Total) <= 0.17 lb/hr. Maximum emission rate. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	No surface coating usage or drying is permitted during this operating scenario. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
7	The oven start-up period shall not exceed 30 minutes at which time the popper by pass vents shall be closed. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

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

Emission Unit: U1 Paint Application and Drying Ovens (Line 1 and Parts Dept and FRH) with RTO Emission Control Subject to NESHAPS 40 CFR 63 Subpart Mmmm

Operating Scenario: OS12 Popper Vent for Spray Booth 3 (E8)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.17 lb/hr based on 0.02 grains per standard cubic foot. [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
2	No surface coating usage is permitted during this operating scenario. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	TSP < 0.05 lb/hr (below the reporting threshold). [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

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Facility Specific Requirements**

Emission Unit: U1 Paint Application and Drying Ovens (Line 1 and Parts Dept and FRH) with RTO Emission Control Subject to NESHAPS 40 CFR 63 Subpart MMMM

Operating Scenario: OS13 Popper Vent for 6.4 MMBtu/hr Oven Dryer 2 (E9)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.6 lb/hr based on 0.02 grains per standard cubic foot. [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
2	NOx (Total) <= 0.63 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	CO <= 0.13 lb/hr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
4	TSP <= 0.08 lb/hr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
5	PM-10 (Total) <= 0.08 lb/hr. Maximum emission rate. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	No surface coating usage or drying is permitted during this operating scenario. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
7	The oven start-up period shall not exceed 30 minutes at which time the popper by pass vents shall be closed. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

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

Emission Unit: U1 Paint Application and Drying Ovens (Line 1 and Parts Dept and FRH) with RTO Emission Control Subject to NESHAPS 40 CFR 63 Subpart MMMM

Operating Scenario: OS15 Popper Vent for 6.0 MMBtu/hr Oven Dryer 3 (E18)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.6 lb/hr based on 0.02 grains per standard cubic foot (total for both stacks.). [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
2	NOx (Total) <= 0.59 lb/hr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	CO <= 0.12 lb/hr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
4	TSP <= 0.07 lb/hr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
5	PM-10 (Total) <= 0.07 lb/hr. Maximum emission rate. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	No surface coating usage or drying is permitted during this operating scenario. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
7	The start up period for this oven only may extend up to a maximum of two (2) hours. Popper by pass valve shall then be closed. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

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

Emission Unit: U1 Paint Application and Drying Ovens (Line 1 and Parts Dept and FRH) with RTO Emission Control Subject to NESHAPS 40 CFR 63 Subpart Mmmm

Operating Scenario: OS16 FRH External Spray Booth 6 (E19), controlled by PAD Filter CD12 and RTO CD5.

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.5 lb/hr. Maximum allowable particulate emission rate from a source operation stack or chimney based on 99% efficiency of collection or based on 0.02 grains per SCF of stack gas flow as determined in the Table at N.J.A.C. 7:27-6.2(a). [N.J.A.C. 7:27-6.2(a)]	None.	None.	None.
2	TSP < 0.05 lb/hr. Maximum emission rate (below the reporting threshold). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	Phenol <= 0.005 lb/hr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
4	Xylene <= 0.241 lb/hr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
5	HAPs: Emissions of other hazardous air pollutants shall remain below reporting thresholds. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Design Control Efficiency > 99 %. The combined capture and removal efficiency for each filter shall be no less than 99 percent. [N.J.A.C. 7:27-22.16(a)]	Design Control Efficiency: Monitored by documentation of construction once initially. [N.J.A.C. 7:27-22.16(o)]	Design Control Efficiency: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Keep equipment specifications in file. [N.J.A.C. 7:27-22.16(o)]	None.

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Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	<p>VOC Content of the Surface Coating Formulation as Applied <= 3.5 lb/gal. Maximum VOC content in compliant, high solids coatings used in Line 2 and FRH spray booths (E3 & E19). From Table 7B - Applying Extreme Performance Surface coating on miscellaneous metal parts. [N.J.A.C. 7:27-16.7(c)1]</p>	<p>VOC Content of the Surface Coating Formulation as Applied: Monitored by formulation data once initially. The permittee shall document that each coating is VOC compliant using standard formulation sheets, MSDS forms, or the results of analytical tests. [N.J.A.C. 7:27-16.7(o)]</p>	<p>VOC Content of the Surface Coating Formulation as Applied: Recordkeeping by strip chart or data acquisition (DAS) system once initially. Maintain Material Safety Data Sheets and Technical Bulletins in file. Prior to any formulation's initial use, the applicant shall create and maintain records of the VOC content of the formulation minus water as applied, in pounds of VOC per gallon of coating, the percent by weight of any exempt organic substance, and the daily volume of each surface coating formulation applied. [N.J.A.C. 7:27-16.7(o)]</p>	<p>None.</p>

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

Emission Unit: U1 Paint Application and Drying Ovens (Line 1 and Parts Dept and FRH) with RTO Emission Control Subject to NESHAPS 40 CFR 63 Subpart MMMM

Operating Scenario: OS17 3 MMBtu/hr FRH Oven Dryer 5 (E10)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.83 lb/hr based on 0.02 grains per standard cubic foot. [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
2	VOC (Total) <= 5.78 lb/hr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	NOx (Total) <= 0.294 lb/hr. Maximum emission rate. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	CO <= 0.247 lb/hr. Maximum emission rate. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	Maximum emission rates of TSP, PM-10, PM-2.5 and SO2 are below reporting threshold of 0.05 lb/hr in Appendix to N.J.A.C. 7:27-22. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Xylene <= 0.807 lb/hr. Maximum emission rate. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	Glycol ethers <= 1.93 lb/hr. Maximum emission rate. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	HAPs: Emissions of other hazardous air pollutants shall remain below reporting thresholds. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Fuel type limited to natural gas only. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
10	Total Hours of Operation <= 2,600 hr/yr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
11	Maximum Gross Heat Input <= 3 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(e)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.

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

Emission Unit: U1 Paint Application and Drying Ovens (Line 1 and Parts Dept and FRH) with RTO Emission Control Subject to NESHAPS 40 CFR 63 Subpart Mmmm

Operating Scenario: OS19 Application of Adhesive to Drum Lids and Placement of Resilient Seal

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Coating Usage <= 1,200 gal/yr. Annual adhesive use limit for calendar year from operating permit application. [N.J.A.C. 7:27-22.16(a)]	Coating Usage: Monitored by material balance annually , as part of the annual air emission report, normally due May 15 each year. [N.J.A.C. 7:27-22.16(o)]	Coating Usage: Recordkeeping by data acquisition system (DAS) / electronic data storage annually , or manual logging in a logbook. The quantity and VOC content of the chemicals used shall be recorded as well as the mass balance calculations. [N.J.A.C. 7:27-22.16(o)]	None.
2	TSP < 0.05 lb/hr (below the reporting threshold). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

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

Emission Unit: U2 High Solids Paint Application (Line 2) using coatings compliant w/ NESHAPS 40 CFR 63 Subpart Mmmm

Subject Item: CD4 Water Curtain - Spray Booth 5 (Line 2)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Design Control Efficiency >= 99 % for the Water Curtain CD4. [N.J.A.C. 7:27-22.16(e)]	Design Control Efficiency: Monitored by documentation of construction once initially. [N.J.A.C. 7:27-22.16(o)]	Design Control Efficiency: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Keep equipment specifications in file. [N.J.A.C. 7:27-22.16(o)]	None.

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

Emission Unit: U2 High Solids Paint Application (Line 2) using coatings compliant w/ NESHAPS 40 CFR 63 Subpart Mmmm

Operating Scenario: OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Opacity <= 20 % except for emissions which are greater than 20 % opacity, exclusive of condensed water vapor, for a period of not longer than three (3) minutes in any consecutive 30-minute period. [N.J.A.C. 7:27- 6.2(d)]	None.	None.	None.
2	VOC Content of the Surface Coating Formulation as Applied <= 3.5 lb/gal. The VOC content of any high solids surface coating formulation as applied shall not exceed the maximum allowable VOC content in extreme performance coating from Table 7B. [N.J.A.C. 7:27-16.7(c)1]	Other: Monitored by formulation data. The permittee shall document that pounds of VOC per gallon of each coating is VOC compliant upon introduction of material into process of emission unit using standard formulation sheets, MSDS forms, or the results of analytical tests.[N.J.A.C. 7:27-22.16(o)].	VOC Content of the Surface Coating Formulation as Applied: Recordkeeping by data acquisition system (DAS) / electronic data storage once initially. Maintain Material Safety Data Sheets, standard formulation sheets and Technical Bulletins in file. [N.J.A.C. 7:27-16.7(o)]	None.
3	For operations using coatings which conform with the VOC content limits, the Permittee shall maintain records of the VOC content of each surface coating formulation (minus water) as applied, in pounds of VOC per gallon of coating or kilograms of VOC per liter of coating; the percent by weight of any exempt organic substance; and the daily volume of each surface coating formulation applied. [N.J.A.C. 7:27-16.7(m)]	The permittee shall document once initially that each coating is VOC compliant upon introduction of material into process of emission unit using standard formulation sheets, MSDS forms, or the results of analytical tests. Monitored by formulation data daily. [N.J.A.C. 7:27-16.7(m)]	Recordkeeping by manual logging of parameter or storing data in a computer data system daily. The Permittee applying only surface coating formulations which are subject to and conform with the applicable VOC content limit set forth in Table 7A, 7B, 7C, or 7D shall maintain records of the VOC content of each surface coating formulation (minus water) as applied, in pounds of VOC per gallon of coating or kilograms of VOC per liter of coating, once initially; the percent by weight of any exempt organic substance; and the daily average volume of each surface coating formulation applied each month. [N.J.A.C. 7:27-16.7(m)]	None.

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Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
4	VOC (Total) <= 48.7 tons/yr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	VOC (Total): Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). VOC emissions shall be determined by mass balance calculations using PEM each month of operation. Calculations shall be completed no later than 30 days after the end of each month. The total emissions for any consecutive 12-month period shall be calculated by the sum of the amount calculated during any one month added to the sum of the amount calculated during the preceding 11 months. [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Recordkeeping by data acquisition system (DAS) / electronic data storage each month during operation. The quantity and VOC content of each formulation and the mass balance calculations shall be recorded. [N.J.A.C. 7:27-22.16(o)]	None.
5	NOx (Total) <= 0.81 tons/yr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
6	CO <= 0.42 tons/yr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
7	TSP <= 10.8 tons/yr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
8	PM-10 (Total) <= 10.8 tons/yr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
9	Total HAPs <= 24.2 tons/yr. Maximum emission rate. [N.J.A.C. 7:27-22.16(a)]	Total HAPs: Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). HAP emissions shall be determined by mass balance calculations using PEM each month of operation. Calculations shall be completed no later than 30 days after the end of each month. The total emissions for any consecutive 12-month period shall be calculated by the sum of the amount calculated during any one month added to the sum of the amount calculated during the preceding 11 months. [N.J.A.C. 7:27-22.16(o)]	Total HAPs: Recordkeeping by data acquisition system (DAS) / electronic data storage each month during operation. The quantity and VOC content of each formulation and the mass balance calculations shall be recorded. [N.J.A.C. 7:27-22.16(o)]	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
10	Ethylbenzene <= 1.18 tons/yr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	Ethylbenzene: Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). HAP emissions shall be determined by mass balance calculations using PEM each month of operation. Calculations shall be completed no later than 30 days after the end of each month. The total emissions for any consecutive 12-month period shall be calculated by the sum of the amount calculated during any one month added to the sum of the amount calculated during the preceding 11 months. [N.J.A.C. 7:27-22.16(o)]	Ethylbenzene: Recordkeeping by data acquisition system (DAS) / electronic data storage each month during operation. The quantity and VOC content of each formulation and the mass balance calculations shall be recorded. [N.J.A.C. 7:27-22.16(o)]	None.
11	Glycol ethers <= 16.2 tons/yr. Maximum emission rate. [N.J.A.C. 7:27-22.16(a)]	Glycol ethers: Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). HAP emissions shall be determined by mass balance calculations using PEM each month of operation. Calculations shall be completed no later than 30 days after the end of each month. The total emissions for any consecutive 12-month period shall be calculated by the sum of the amount calculated during any one month added to the sum of the amount calculated during the preceding 11 months. [N.J.A.C. 7:27-22.16(o)]	Glycol ethers: Recordkeeping by data acquisition system (DAS) / electronic data storage each month during operation. The quantity and VOC content of each formulation and the mass balance calculations shall be recorded. [N.J.A.C. 7:27-22.16(o)]	None.
12	Xylene <= 6.79 tons/yr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	Xylene: Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). HAP emissions shall be determined by mass balance calculations using PEM each month of operation. Calculations shall be completed no later than 30 days after the end of each month. The total emissions for any consecutive 12-month period shall be calculated by the sum of the amount calculated during any one month added to the sum of the amount calculated during the preceding 11 months. [N.J.A.C. 7:27-22.16(o)]	Xylene: Recordkeeping by data acquisition system (DAS) / electronic data storage each month during operation. The quantity and VOC content of each formulation and the mass balance calculations shall be recorded. [N.J.A.C. 7:27-22.16(o)]	None.

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Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
13	HAPs: Emissions of other hazardous air pollutants shall remain below reporting thresholds (in accordance with operating permit application). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
14	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. 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.
15	This facility, that is an existing facility that manufactures miscellaneous metal parts and products including steel drums, is subject to National Emission Standards for Hazardous Air Pollutants (NESHAPs) at 40 CFR 63 Subpart M. [40 CFR 63.3880]	None.	None.	None.

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Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
16	This facility shall manufacture steel drums using spray guns applying coatings to a metal substrate using only general use coatings as defined at 40 CFR 63.3881(a)(2). [40 CFR 63.3881(a)(2)]	None.	None.	None.
17	The owner or operator of emission unit U2 shall comply with the standards as required in 40 CFR 63.3880 through 63.3981 (NESHAP Subpart M MMMM), when applicable. The initial compliance date was January 2, 2007. [40 CFR 63.3883(b)]	Other: The owner or operator shall comply, as applicable, with the monitoring requirements as required in 40 CFR 63.3880 through 63.3981 (NESHAP Subpart M MMMM).[40 CFR 63].	Other: The owner or operator shall comply, as applicable, with the recordkeeping requirements as required in 40 CFR 63.3880 through 63.3981 (NESHAP Subpart M MMMM).[40 CFR 63].	Submit notification: As per the approved schedule. The owner or operator shall comply, as applicable, with the submittal/action requirements as required in 40 CFR 63.3880 through 63.3981 (NESHAP Subpart M MMMM). [40 CFR 63]

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
18	HAPs <= 2.6 lb/gal (0.31 kg/liter) of coating solids applied. Limits at all times for organic HAP emissions to the atmosphere during each 12-month compliance period. [40 CFR 63.3890(b)(1)]	HAPs: Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). To demonstrate continuous compliance with the applicable emission limit in the applicable requirement, the organic HAP emission rate for each compliance period determined according to the procedures in 40 CFR 63.3961, must be equal to or less than the applicable emission limit in 40 CFR 63.3890. A compliance period consists of 12 months. Each month after the end of the initial compliance period described in 40 CFR 63.3960 is the end of a compliance period consisting of that month and the preceeding 11 months. The permittee must perform the calculations in 40 CFR 63.3961 on a monthly basis using data from the previous 12 months of operation. [40 CFR 63.3963(a)] & [40 CFR 63.3891(b)]	HAPs: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The permittee shall keep records of the calculations specified in (i) through (v) below: (i) The calculation of the total mass of organic HAP emissions for the coatings, thinners and/or other additives, and cleaning materials used each month using Equations 1 and 1A through 1C of 40 CFR 63.3951 and, if applicable, the calculation used to determine mass of organic HAP in waste materials according to 40 CFR 63.3951(e)(4); (ii) The calculation of the total volume of coating solids used each month using Equation 2 of 40 CFR 63.3951; (iii) The calculation of the mass of organic HAP emission reduction by emission capture systems and add-on control devices using Equations 1 and 1A through 1D of 40 CFR 63.3961 and Equations 2, 3, and 3A through 3C of 40 CFR 63.3961, as applicable; (iv) The calculation of each month's organic HAP emission rate using Equation 4 of 40 CFR 63.3961; and (v) The calculation of each 12-month organic HAP emission rate using Equation 5 of 40 CFR 63.3961. [40 CFR 63.3891(b)]	None.
19	This unit uses the compliant material option or the emission rate without add-on controls option, and is not required to meet any operating limits. [40 CFR 63.3892(a)]	None.	None.	None.
20	This unit uses the compliant material option or the emission rate without add-on controls option and is not required to meet any work practice standards. [40 CFR 63.3893(a)]	None.	None.	None.

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**New Jersey Department of Environmental Protection
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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
21	This facility, which uses the compliant material option or the emission rate without add-on controls option, as specified in 40 CFR 63.3891(a) and (b), must be in compliance with the applicable emission limit in 40 CFR 63.3890 at all times. [40 CFR 63.3900(a)(1)]	None.	None.	None.

**New Jersey Department of Environmental Protection
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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
22	<p>This facility must demonstrate continuous compliance with the organic HAP emission rate for each compliance period, determined according to 40 CFR 63.3951(a) through (g), must be less than or equal to the applicable emission limit in 40 CFR 63.3890. A compliance period consists of 12 months. Each month after the end of the initial compliance period described in 40 CFR 63.3950 is the end of a compliance period consisting of that month and the preceding 11 months. [40 CFR 63.3952(a)]</p>	<p>Monitored by material balance each month during operation. The facility must perform the calculations in 40 CFR 63.3951(a) through (g) on a monthly basis using data from the previous 12 months of operation. If the facility is complying with a facility-specific emission limit under 40 CFR 63.3890(c), the facility must also perform the calculation using Equation 1 in 40 CFR 63.3890(c)(2) on a monthly basis using the data from the previous 12 months of operation. [40 CFR 63.3951]</p>	<p>Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. For each compliance period, maintain records as specified in 40 CFR 63.3930 and 63.3931. For the emission rate without add-on controls option, a record of the calculation of the total mass of organic HAP emissions for the coatings, thinners and/or other additives, and cleaning materials used each month using Equations 1, 1A through 1C, and 2 of 40 CFR 63.3951 - calculations specified in (i) through (v) below: (i) The calculation of the total mass of organic HAP emissions for the coatings, thinners and/or other additives, and cleaning materials used each month using Equations 1 and 1A through 1C of 40 CFR 63.3951 and, if applicable, the calculation used to determine mass of organic HAP in waste materials according to 40 CFR 63.3951(e)(4); (ii) The calculation of the total volume of coating solids used each month using Equation 2 of 40 CFR 63.3951; (iii) The calculation of the mass of organic HAP emission reduction by emission capture systems and add-on control devices using Equations 1 and 1A through 1D of 40 CFR 63.3961 and Equations 2, 3, and 3A through 3C of 40 CFR 63.3961, as applicable; (iv) The calculation of each month's organic HAP emission rate using Equation 4 of 40 CFR 63.3961; (v) The calculation of each 12-month organic HAP emission rate using Equation 5 of 40 CFR 63.3961. [40 CFR 63.3930(c)(3)]</p>	<p>Submit a report: Semi-annually on January 31 and July 31 of each year. If the organic HAP emission rate for any 12-month compliance period exceeded the applicable emission limit in 40 CFR 63.3890, this is a deviation from the emission limitation for that compliance period and must be reported as specified in 40 CFR 63.3910(c)(6) and 40 CFR 63.3920(a)(6).</p> <p>As part of each semiannual compliance report required by 40 CFR 63.3920, you must identify the coating operation(s) for which you used the emission rate without add-on controls option. If there were no deviations from the emission limitations, you must submit a statement that the coating operation(s) was (were) in compliance with the emission limitations during the reporting period because the organic HAP emission rate for each compliance period was less than or equal to the applicable emission limit in 40 CFR 63.3890, determined according to 40 CFR 63.3951(a) through (g). [40 CFR 63.3952(c)]</p>

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Facility Specific Requirements**

Emission Unit: U2 High Solids Paint Application (Line 2) using coatings compliant w/ NESHAPS 40 CFR 63 Subpart M

Operating Scenario: OS1 Line 2 Internal/External Spray Booth 5 (E3) controlled by Water Curain CD4

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.62 lb/hr based on 0.02 grains per standard cubic foot. [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
2	Coating Application System Transfer Efficiency >= 60 % of solids by weight. [N.J.A.C. 7:27-16.7(d)] & [N.J.A.C. 7:27-22.16(e)]	Coating Application System Transfer Efficiency: Monitored by calculations once initially for a representative production run. [N.J.A.C. 7:27-22.16(o)]	Coating Application System Transfer Efficiency: 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	VOC (Total) <= 18.7 lb/hr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
4	TSP <= 8.25 lb/hr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
5	PM-10 (Total) <= 8.25 lb/hr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
6	Ethylbenzene <= 1.64 lb/hr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
7	Glycol ethers <= 6.25 lb/hr. Maximum emission rate. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Xylene <= 6.54 lb/hr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
9	The permittee shall inspect and maintain the water curtain to ensure the control efficiency is maintained. The control device shall be operated and maintained in accordance with the manufacturer's recommendations. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
10	VOC Content of the Surface Coating Formulation as Applied <= 3.5 lb/gal. Maximum VOC content in compliant, high solids coatings used in Line 2 and FRH spray booths (E3 & E19). From Table 7B - Applying Extreme Performance Surface coating on miscellaneous metal parts. [N.J.A.C. 7:27-16.7(c)1]	VOC Content of the Surface Coating Formulation as Applied: Monitored by formulation data once initially. The permittee shall document that each coating is VOC compliant using standard formulation sheets, MSDS forms, or the results of analytical tests. [N.J.A.C. 7:27-16.7(o)]	VOC Content of the Surface Coating Formulation as Applied: Recordkeeping by strip chart or data acquisition (DAS) system once initially. Maintain Material Safety Data Sheets and Technical Bulletins in file. Prior to any formulation's initial use, the applicant shall create and maintain records of the VOC content of the formulation minus water as applied, in pounds of VOC per gallon of coating, the percent by weight of any exempt organic substance, and the daily volume of each surface coating formulation applied. [N.J.A.C. 7:27-16.7(o)]	None.

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

Emission Unit: U2 High Solids Paint Application (Line 2) using coatings compliant w/ NESHAPS 40 CFR 63 Subpart M

Operating Scenario: OS2 3.9 MMBtu/hr Line 2 Oven Dryer 4 (E4)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 2.53 lb/hr based on 0.02 grains per standard cubic foot from all five stacks.. [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
2	VOC (Total) <= 18.7 lb/hr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	NOx (Total) <= 0.612 lb/hr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
4	CO <= 0.32 lb/hr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
5	TSP <= 0.08 lb/hr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
6	Ethylbenzene <= 1.64 lb/hr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
7	Glycol ethers <= 6.25 lb/hr. Maximum emission rate. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Xylene <= 6.54 lb/hr. Maximum emission rate. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
9	Total Hours of Operation <= 2,600 hr/yr. [N.J.A.C. 7:27-22.16(e)]	Total Hours of Operation: Monitored by hour/time monitor each month during operation, based on a consecutive 12 month period (rolling 1 month basis). The total hour for any consecutive 12-month period shall be calculated by the sum of the hour calculated during any one month added to the sum of the hour calculated during the preceding 11 months. 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(o)]	Total Hours of Operation: 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.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
10	Maximum Gross Heat Input <= 3.9 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(e)]	None.	Other: Keep record showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
11	Fuel type limited to natural gas only. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

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Emission Unit: U3 5.75 MMBtu/hr Natural Gas-Fired Hot Aqueous Parts Washer (E11) for Drum Lids and Drum Bottoms

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 <= 3.5 lb/hr from the combustion of fuel based on rated heat input of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
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) <= 0.92 tons/yr. [N.J.A.C. 7:27-22.16(e)]	VOC (Total): Monitored by material balance each month during operation, based on a consecutive 12 month period (rolling 1 month basis). The total emissions for any consecutive 12-month period shall be calculated by the sum of the amount calculated during any one month added to the sum of the amount calculated during the preceding 11 months. Assumption is that 100% of the VOCs used are lost to the atmosphere. [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The quantity and VOC content of the chemicals used shall be recorded as well as the mass balance calculations. [N.J.A.C. 7:27-22.16(o)]	None.
5	NOx (Total) <= 2.47 tons/yr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
6	CO <= 2.07 tons/yr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
7	HAPs: All HAP emissions shall remain below reporting thresholds. Chemical concentrations in the water shall be below 3%. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

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**New Jersey Department of Environmental Protection
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Emission Unit: U3 5.75 MMBtu/hr Natural Gas-Fired Hot Aqueous Parts Washer (E11) for Drum Lids and Drum Bottoms

Operating Scenario: OS1 Pretreating Lids and Bottoms before Coating in Parts Dept.

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	<p>The owner or operator shall adjust the combustion process annually for the Aqueous Parts Washer. The adjustment shall be done in accordance with the procedure set forth at N.J.A.C. 7:27-19.16. [N.J.A.C. 7:27-19.7(g)]</p>	<p>Monitored by periodic emission monitoring annually. The owner or operator shall perform the adjustment of the combustion process in accordance with the specific procedures for combustion adjustment monitoring specified in NJDEP Technical Manual 1005 and the procedure set forth at N.J.A.C. 7:27-19.16(a) as follows: 1. Inspect the burner, and clean or replace any components of the burner as necessary; 2. Inspect the flame pattern and make any adjustments to the burner necessary to optimize the flame pattern consistent with manufacturer's specs; 3. Inspect the system controlling the air-to-fuel ratio, and ensure that it is correctly calibrated and functioning properly; 4. Minimize the total emissions of NOx and CO consistent with manufacturer's specs; 5. Measure the concentrations in the effluent stream of NOx and CO in ppmvd and O2 in %, before and after the adjustment is made; 6. Convert the emission values of NOx, CO and O2 concentrations measured in lb/MMBTU according to this formula: $\text{Lb/MMBTU} = \text{ppmvd} * \text{MW} * \text{F dry factor} * \text{O2 correction factor} / 387,000,000$ where: ppmvd is the concen. in parts per mill by vol, dry basis, of NOx or CO; MW is the Molec Wt for NOx=46 lb/lb-mole, CO=28 lb/lb-mole; F Dry factor for: Natl Gas = 8,710 dscf/MMBTU, Residual or fuel oil = 9,190 dscf/MMBTU; O2 correction factor: $(20.9\%) / (20.9\% - \text{O2 measured})$, where O2 measured in % oxygen on a dry basis. [N.J.A.C. 7:27-19.16(a)]</p>	<p>Recordkeeping by manual logging of parameter or storing data in a computer data system upon performing combustion adjustment of the following information for each adjustment: 1. The date of the adjustment and the times at which it began and ended; 2. The name, title and affiliation of the person who made the adjustment; 3. The NOx and CO concentrations in the effluent stream, in ppmvd, before and after each actual adjustment was made; 4. The concentration of O2 (in percent dry basis) at which the CO and NOx concentrations were measured; 5. A description of any corrective action taken; 6. Results from any subsequent test performed after taking any corrective action, including concentrations and converted emission values in (lb/MMBTU); 7. The type and amount of fuel used over the 12 months prior to the annual adjustment; 8. Any other information which the Department or the EPA has required as a condition of approval of any permit or certificate issued for the source operation.</p> <p>The records must be retained for a minimum of five years and to be made readily accessible to the Department upon request. [N.J.A.C. 7:27-19.16(b)]</p>	<p>Submit a report: Annually. The owner or operator shall submit an annual adjustment combustion process report to the department within 45 days after the adjustment of the combustion process is completed. The report shall be submitted electronically to: www.njdeponline.com. Instructions for submitting this report online are specified at: http://www.nj.gov/dep/aqpp/adjustment.htm. [N.J.A.C. 7:27-19.16(d)] and [N.J.A.C. 7:27-19.16(c)]</p>

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
2	The owner or operator of the adjusted equipment or source operation shall ensure that the operating parameter settings are established and recorded after the combustion process is adjusted and that the adjusted equipment or source operation is maintained to operate consistent with the annual adjustment. [N.J.A.C. 7:27-19.16(e)]	Other: Monitored by the operating parameter settings that are established after the combustion process is adjusted in order to operate consistent with the annual adjustment.[N.J.A.C. 7:27-19.16(e)].	Other: The owner or operator shall record the operating parameter settings that are established after the combustion process is adjusted and retain until the next annual adjustment, to be made readily accessible to the Department upon request.[N.J.A.C. 7:27-19.16(e)].	None.
3	VOC (Total) <= 0.21 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
4	NOx (Total) <= 0.56 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
5	CO <= 0.47 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
6	TSP < 0.05 lb/hr (below the reporting threshold). [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
7	Maximum Gross Heat Input <= 5.75 MMBTU/hr (HHV) for all fuel burners. [N.J.A.C. 7:27-22.16(e)]	None.	Other: Keep record showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
8	Fuel type limited to natural gas only. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
9	Hours of Operation <= 8,760 hr/yr. [N.J.A.C. 7:27-22.16(o)]	None.	None.	None.

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

Emission Unit: U4 Silk Screen Printing (E12 & E28) and Washing Station (E20)

Operating Scenario: OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.5 lb/hr based on 0.02 grains per standard cubic foot. [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
2	Opacity <= 20 % except for emissions which are greater than 20 % opacity, exclusive of condensed water vapor, for a period of not longer than three (3) minutes 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.
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) <= 0.67 tons/yr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
5	VOC (Total) <= 8.07 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
6	Total HAPs <= 0.42 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	Glycol ethers <= 0.42 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Glycol ethers <= 4.82 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	HAPs: Emissions of other hazardous air pollutants shall remain below reporting thresholds. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

BOP160001

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

Emission Unit: U4 Silk Screen Printing (E12 & E28) and Washing Station (E20)

Operating Scenario: OS1 Silk Screen Printing Press (E12)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Maintain records of pounds of VOC per gallon of coating applied, wt % of any exempt organic substances and daily volume of each surface coating formulation applied. [N.J.A.C. 7:27-16.7(m)]	Monitored by formulation data once initially. [N.J.A.C. 7:27-16.7(m)]	Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. [N.J.A.C. 7:27-16.7(m)]	None.
2	VOC Content of the Surface Coating Formulation as Applied <= 6.7 lb/gal. Maximum VOC content of special purpose screen printing inks and N.J.A.C. 7-27:16.7, Table 7D, Part C. [N.J.A.C. 7:27-16.7(c)]	Other: Monitored by formulation data. The permittee shall document that pounds of VOC per gallon of each ink is VOC compliant upon introduction of material into process of emission unit using standard formulation sheets, MSDS forms, or the results of analytical tests.[N.J.A.C. 7:27-22.16(o)].	VOC Content of the Surface Coating Formulation as Applied: Recordkeeping by data acquisition system (DAS) / electronic data storage once initially. Maintain Material Safety Data Sheets and Technical Bulletins in file. The Permittee shall maintain records of all information specified at N.J.A.C. 7:27-16.7(m). [N.J.A.C. 7:27-16.7(o)]	None.
3	Annual use limit of special purpose screen printing inks <= 250 gallons per calendar year. [N.J.A.C. 7:27-22.16(e)]	Other: Monitored by ink usage (purchase records) each month during operation baed on a consecutive 12-month period (rolling 1 month basis). The total usage for any consecutive 12-month period shall be calculated by the sum of the usage calculated during any one month added to the sum of the usage calculated during the preceding 11 months.[N.J.A.C. 7:27-22.16(o)].	Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The permittee shall maintain records documenting total ink usage. [N.J.A.C. 7:27-22.16(o)]	None.
4	TSP < 0.05 lb/hr (below the reporting threshold). [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

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

Emission Unit: U4 Silk Screen Printing (E12 & E28) and Washing Station (E20)

Operating Scenario: OS2 Silk Screen Washing Station (E20)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Solvent Usage <= 1250 gallons per calendar year. Annual solvent use limit for ink cleaning. [N.J.A.C. 7:27-22.16(e)]	Other: Monitored by purchase records each month during operation based on a consecutive 12-month period (rolling 1 month basis). The total usage for any consecutive 12-month period shall be calculated by the sum of the usage calculated during any one month added to the sum of the usage calculated during the preceding 11 months.[N.J.A.C. 7:27-22.16(o)].	Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The permittee shall maintain records documenting total solvent usage. Annual usage total shall be completed by the required submittal date of the emission statement each year. [N.J.A.C. 7:27-22.16(o)]	None.
2	Use of Methyl Ethyl Ketone shall be limited to being sprayed on the screen and then wiped off. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	Screen cleanings shall occur a maximum of 250 days per calendar year. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	TSP < 0.05 lb/hr (below the reporting threshold). [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

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

Emission Unit: U4 Silk Screen Printing (E12 & E28) and Washing Station (E20)

Operating Scenario: OS3 Drying Drum Surfaces after Lettering

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.5 lb/hr based on 0.02 grains per standard cubic foot. [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
2	Maximum emission rate of products of combustion shall be less than reportable threshold of 0.05 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	TSP < 0.05 lb/hr (below the reporting threshold). [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
4	Total Hours of Operation <= 2,000 hr/yr. [N.J.A.C. 7:27-22.16(a)]	Total Hours of Operation: Monitored by hour/time monitor each month during operation, based on a consecutive 12 month period (rolling 1 month basis). The total hour for any consecutive 12-month period shall be calculated by the sum of the hour calculated during any one month added to the sum of the hour calculated during the preceding 11 months. 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(o)]	Total Hours of Operation: 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.
5	Maximum Gross Heat Input <= 0.45 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep record showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
6	Fuel type limited to natural gas only. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

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

Emission Unit: U6 Paint Supply Rooms (Paint Lockers)

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 by the procedure of N.J.A.C. 7:27-16.16(d), from tables 16A and 16B, based on VOC vapor pressure and percent VOC in source gas. [N.J.A.C. 7:27-16.16(e)]	Other: Monitored by sampling (VOC in room) once initially.[N.J.A.C. 7:27-22.16(o)].	VOC (Total): Recordkeeping by manual logging of parameter once initially per formulation. [N.J.A.C. 7:27-22.16(o)]	None.

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
2	Any person responsible for a source operation subject to N.J.A.C. 7:27-16.16(c) shall maintain the indicated records for each different kind of batch or continuous process for which the source operation is used pursuant to N.J.A.C. 7:27-16.16(g). [N.J.A.C. 7:27-16.16(g)]	Other: Monitored by sampling (VOC in room) once initially. [N.J.A.C. 7:27-22.16(o)].	Recordkeeping by data acquisition system (DAS) / electronic data storage at the approved frequency, or manual logging in a logbook. Maintain records of VOC sources, emission rates and related parameters: 1. Record the following information daily in accordance with Table 16A in N.J.A.C. 7:27-16.16(d) a. the chemical name and vapor pressure of each VOC used, b. the percent concentration by volume of VOC in the source gas, c. the volumetric gas flow rate, d. the source gas range classification, and e. the maximum allowable emission rate; f. also record the maximum actual emission rate, g. maintain the calculations and any test data used to determine the actual emission rate for each process; and, h. if the source operation is used for more than one process, record the dates on which the source operation is used for each process; or 2. Maintain the initial analysis in OP application file, which demonstrated that, under operating conditions that maximize the VOC emissions, 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. [N.J.A.C. 7:27-16.16(g)] & [N.J.A.C. 7:27-22.16(o)]	None.
3	Opacity <= 20 % except for emissions which are greater than 20 % opacity, exclusive of condensed water vapor, for a period of not longer than three (3) minutes in any consecutive 30-minute period. [N.J.A.C. 7:27- 6.2(d)]	None.	None.	None.

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
4	VOC (Total) <= 8.04 tons/yr for four lockers. [N.J.A.C. 7:27-22.16(e)]	VOC (Total): Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). Estimated VOC emission calculations based on facility's production records using PEM database are allowed. The total emissions for any consecutive 12-month period shall be calculated by the sum of the amount calculated during any one month added to the sum of the amount calculated during the preceding 11 months. [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. [N.J.A.C. 7:27-22.16(o)]	None.
5	HAPs <= 3.4 tons/yr for four lockers. [N.J.A.C. 7:27-22.16(a)]	HAPs: Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). Estimated HAPs emission calculations based on facility's production records using PEM database are allowed. The total emissions for any consecutive 12-month period shall be calculated by the sum of the amount calculated during any one month added to the sum of the amount calculated during the preceding 11 months. [N.J.A.C. 7:27-22.16(o)]	HAPs: 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.
6	Glycol ethers <= 0.775 tons/yr for four lockers. [N.J.A.C. 7:27-22.16(e)]	Glycol ethers: Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). Estimated emission calculations based on facility's production records using PEM database are allowed. The total emissions for any consecutive 12-month period shall be calculated by the sum of the amount calculated during any one month added to the sum of the amount calculated during the preceding 11 months. [N.J.A.C. 7:27-22.16(o)]	Glycol ethers: 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.

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	Phenol <= 0.052 tons/yr for four lockers. [N.J.A.C. 7:27-22.16(e)]	Phenol: Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). Estimated emission calculations based on facility's production records using PEM database are allowed. The total emissions for any consecutive 12-month period shall be calculated by the sum of the amount calculated during any one month added to the sum of the amount calculated during the preceding 11 months. [N.J.A.C. 7:27-22.16(o)]	Phenol: 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.
8	Xylene <= 2.54 tons/yr for four lockers. [N.J.A.C. 7:27-22.16(e)]	Xylene: Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). Estimated emission calculations based on facility's production records are allowed. The total emissions for any consecutive 12-month period shall be calculated by the sum of the amount calculated during any one month added to the sum of the amount calculated during the preceding 11 months. [N.J.A.C. 7:27-22.16(o)]	Xylene: 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.
9	Hours of Operation <= 4,992 hours for each paint locker. [N.J.A.C. 7:27-22.16(e)]	Hours of Operation: Monitored by hour/time monitor each month during operation, based on a consecutive 12 month period (rolling 1 month basis). Facility's production records using PEM database may be used to demonstrate operating hours. The total hour for any consecutive 12-month period shall be calculated by the sum of the hour calculated during any one month added to the sum of the hour calculated during the preceding 11 months. [N.J.A.C. 7:27-22.16(o)]	Hours of Operation: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.
10	VOC (Total) <= 3.22 lb/hr for all four paint lockers combined. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
11	Glycol ethers <= 0.23 lb/hr for all four paint lockers combined. [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
12	Phenol <= 0.0181 lb/hr for all four paint lockers combined. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
13	Xylene <= 0.673 lb/hr for all four paint lockers combined. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
14	HAPs: Emissions of other hazardous air pollutants shall remain below reporting thresholds. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

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

Emission Unit: U6 Paint Supply Rooms (Paint Lockers)

Operating Scenario: OS1 Paint Locker #1 (E13)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.8 lb/hr based on 0.02 grains per standard cubic foot. [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
2	TSP < 0.05 lb/hr (below the reporting threshold). [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	Maximum raw material flow rate <= 500 lbs/hr. [N.J.A.C. 7:27-22.16(e)]	Monitored by ance may be demonstrated by mass balance calculations (PEM) in concert with other calculations performed monthly. The resulting flow rate will be an estimated average of lb/hr flows over a calendar quarter. Alternatively, if a pressure-to-flow correlation can be demonstrated, weekly monitoring of coating supply pressure is allowed.[N.J.A.C. 7:27-22.16(o)].	Recordkeeping by data acquisition system (DAS) / electronic data storage each month during operation , or manual logging in a logbook, or other method acceptable to the Department. [N.J.A.C. 7:27-22.16(o)]	None.

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

Emission Unit: U6 Paint Supply Rooms (Paint Lockers)

Operating Scenario: OS2 Paint Locker #2 (E14)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.5 lb/hr based on 0.02 grains per standard cubic foot. [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
2	TSP < 0.05 lb/hr (below the reporting threshold). [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	Maximum raw material mixing rate <= 250 lbs/hr. [N.J.A.C. 7:27-22.16(e)]	Monitored by ance may be demonstrated by mass balance calculations (PEM) in concert with other calculations performed monthly. The resulting flow rate will be an estimated average of lb/hr flows over a calendar quarter. Alternatively, if a pressure-to-flow correlation can be demonstrated, weekly monitoring of coating supply pressure is allowed.[N.J.A.C. 7:27-22.16(o)].	Recordkeeping by data acquisition system (DAS) / electronic data storage each month during operation , or manual logging in a logbook, or other method acceptable to the Department. [N.J.A.C. 7:27-22.16(o)]	None.

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

Emission Unit: U6 Paint Supply Rooms (Paint Lockers)

Operating Scenario: OS3 Paint Locker #3 (E15)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.8 lb/hr based on 0.02 grains per standard cubic foot. [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
2	TSP < 0.05 lb/hr (below the reporting threshold). [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	Maximum raw material mixing rate <= 100 lbs/hr. [N.J.A.C. 7:27-22.16(e)]	Other: Compliance may be demonstrated by mass balance calculations (PEM) in concert with other calculations performed monthly. The resulting flow rate will be an estimated average of lb/hr flows over a calendar quarter. Alternatively, if a pressure-to-flow correlation can be demonstrated, weekly monitoring of coating supply pressure is allowed.[N.J.A.C. 7:27-22.16(o)].	Recordkeeping by data acquisition system (DAS) / electronic data storage each month during operation , or manual logging in a logbook, or other method acceptable to the Department. [N.J.A.C. 7:27-22.16(o)]	None.

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

Emission Unit: U6 Paint Supply Rooms (Paint Lockers)

Operating Scenario: OS4 Paint Locker #4 (E16)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.2 lb/hr based on 0.02 grains per standard cubic foot. [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
2	TSP < 0.05 lb/hr (below the reporting threshold). [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	Maximum raw material mixing rate <= 400 lbs/hr. [N.J.A.C. 7:27-22.16(e)]	Other: Compliance may be demonstrated by mass balance calculations (PEM) in concert with other calculations performed monthly. The resulting flow rate will be an estimated average of lb/hr flows over a calendar quarter. Alternatively, if a pressure-to-flow correlation can be demonstrated, weekly monitoring of coating supply pressure is allowed.[N.J.A.C. 7:27-22.16(o)].	Recordkeeping by data acquisition system (DAS) / electronic data storage each month during operation , or manual logging in a logbook, or other method acceptable to the Department. [N.J.A.C. 7:27-22.16(o)]	None.

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

Emission Unit: U9 Thermal Clean Oven for Drum Lids and Bottoms

Operating Scenario: OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	No visible emissions exclusive of condensed water vapor, except for no more than three (3) minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-3.2(a)] and [N.J.A.C. 7:27- 3.2(c)]	None.	None.	None.
2	Particulate Emissions <= 0.9 lb/hr from the combustion of fuel based on the rated heat input of 1.5 MMBtu/hr. [N.J.A.C. 7:27-4.2(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
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 source gas shall be 3.5 lb/hr (Range A). [N.J.A.C.7:27-16.16(c)] & [N.J.A.C. 7:27-16.16(d)]	Other: Monitored by process records.[N.J.A.C. 7:27-22.16(o)].	Other: The owner or operator shall maintain records for each different kind of batch or continuous process for which the source operation is used. i. 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 ii. Conduct an analysis of the source operation, which demonstrates that, under worst case operating conditions that maximize the VOC emissions after any control, 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 worst case operating conditions.[N.J.A.C. 7:27-16.16(g)1].	None.
4	Oven's fuel limited to natural gas. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	Maximum Gross Heat Input <= 1.5 MMBTU/hr (HHV) for the oven. [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.
6	Total Throughput: <= 1440 parts per hour. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by production records.[N.J.A.C. 7:27-22.16(o)].	Total Throughput: Recordkeeping by production records 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
7	Hours of Operation While Firing Natural Gas <= 4,160 hr/yr. [N.J.A.C. 7:27-22.16(a)]	Hours of Operation While Firing Natural Gas: Monitored by hour/time monitor continuously. [N.J.A.C. 7:27-22.16(o)]	Hours of Operation While Firing Natural Gas: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The owner or operator shall record the monthly hours of operation and the monthly hours of operation added to the sum of the hours of operation during the preceding 11 months. [N.J.A.C. 7:27-22.16(o)]	None.
8	VOC (Total) <= 0.67 tons/yr based on vendor's data. [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. [N.J.A.C. 7:27-22.16(o)]	None.
9	NOx (Total) <= 0.31 tons/yr based on AP-42 emission factors. [N.J.A.C. 7:27-22.16(a)]	NOx (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	NOx (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. [N.J.A.C. 7:27-22.16(o)]	None.
10	CO <= 0.26 tons/yr based on AP-42 emission factors. [N.J.A.C. 7:27-22.16(a)]	CO: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	CO: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. [N.J.A.C. 7:27-22.16(o)]	None.

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

Emission Unit: U9 Thermal Clean Oven for Drum Lids and Bottoms
Operating Scenario: OS1 Thermal Clean Oven - Combustion and Process Emissions

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	NOx (Total) <= 0.15 lb/hr based on AP-42 emission factors. [N.J.A.C. 7:27-22.16(a)]	NOx (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	NOx (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. [N.J.A.C. 7:27-22.16(o)]	None.
2	CO <= 0.12 lb/hr based on AP-42 emission factors. [N.J.A.C. 7:27-22.16(a)]	CO: Monitored by calculations once initially. [N.J.A.C. 7:27-22]	CO: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. [N.J.A.C. 7:27-22.16(o)]	None.
3	VOC (Total) <= 0.32 lb/hr based on vendor's data. [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. [N.J.A.C. 7:27-22.16(o)]	None.

MAUSER USA, LLC (17900)
BOP160001

Date: 2/17/2021

New Jersey Department of Environmental Protection
Facility Profile (General)

Facility Name (AIMS): Mauser Corp

Facility ID (AIMS): 17900

Street 14 CONVERY BLVD
Address: WOODBRIDGE, NJ 07095

State Plane Coordinates:	
X-Coordinate:	554,622
Y-Coordinate:	619,106
Units:	Feet
Datum:	NAD83
Source Org.:	Other/Unknown
Source Type:	Hard Copy Map

Mailing 14 CONVERY BLVD
Address: WOODBRIDGE, NJ 07095

County: Middlesex
Location Steel Drum Manufacturing
Description:

Industry:	
Primary SIC:	3412
Secondary SIC:	
NAICS:	332439

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

Contact Type: Air Permit Information Contact

Organization: Mauser Inc

Org. Type: Private

Name: Dennis Mullin

NJ EIN: 00221505645

Title: Plant Manager

Phone: (732) 634-6000 x

Mailing Address: 14 Convery Blvd

Fax: (732) 634-2927 x

Woodbridge, NJ 07095

Other: () - x

Type:

Email: Dennis.Mullin@mausergroup.com

Contact Type: Consultant

Organization: CEM Service Group, Inc

Org. Type: Private

Name: Mike Leuz

NJ EIN: 0000000000

Title: Senior Air Quality Consultant

Phone: (215) 795-0188 x

Mailing Address: 832 Rolling Hills Road

Fax: () - x

Ottsville, PA 18942

Other: () - x

Type:

Email: mike@cemservicegroup.com

Contact Type: Emission Statements

Organization: Mauser Inc

Org. Type: Private

Name: Dennis Mullin

NJ EIN: 00221505645

Title: Plant Manager

Phone: (732) 634-6000 x

Mailing Address: 14 Convery Blvd

Fax: (732) 634-2927 x

Woodbridge, NJ 07095

Other: () - x

Type:

Email: Dennis.Mullin@mausergroup.com

New Jersey Department of Environmental Protection
Facility Profile (General)

Contact Type: Fees/Billing Contact

Organization: Mauser USA, LLC

Org. Type: Private

Name: Jeff Aurichio

NJ EIN: 00221505645

Title: Plant Manager

Phone: (732) 634-6000 x

Mailing Address: 14 Convery Blvd

Fax: (732) 634-2927 x

Woodbridge, NJ 07095

Other: () - x

Type:

Email: jeff.aurichio@MauserPackaging.com

Contact Type: General Contact

Organization: Mauser USA, LLC

Org. Type: Private

Name: Jeff Aurichio

NJ EIN: 00221505645

Title: Plant Manager

Phone: (732) 634-6000 x

Mailing Address: 14 Convery Blvd

Fax: (732) 634-2927 x

Woodbridge, NJ 07095

Other: () - x

Type:

Email: jeff.aurichio@MauserPackaging.com

Contact Type: On-Site Manager

Organization: Mauser Inc

Org. Type: Private

Name: Dennis Mullin

NJ EIN: 00221505645

Title: Plant Manager

Phone: (732) 634-6000 x

Mailing Address: 14 Convery Blvd

Fax: (732) 634-2927 x

Woodbridge, NJ 07095

Other: () - x

Type:

Email: Dennis.Mullin@mausergroup.com

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

Contact Type: Owner (Current Primary)

Organization: Mauser USA, LLC

Org. Type: LLC

Name: Mauser USA, LLC

NJ EIN: 00810625653

Title: Owner

Phone: (732) 634-6000 x

Mailing Address: 14 Convery Blvd

Fax: (732) 634-2927 x

Woodbridge, NJ 07095

Other: () - x

Type:

Email:

Contact Type: Responsible Official

Organization: Mauser Inc

Org. Type: Private

Name: Dennis Mullin

NJ EIN: 00221505645

Title: Plant Manager

Phone: (732) 634-6000 x

Mailing Address: 14 Convery Blvd

Fax: (732) 634-2927 x

Woodbridge, NJ 07095

Other: () - x

Type:

Email: Dennis.Mullin@mausergroup.com

Contact Type: Title V Compliance Certification Contact

Organization: Mauser Inc

Org. Type: Private

Name: Dennis Mullin

NJ EIN: 00221505645

Title: Plant Manager

Phone: (732) 634-6000 x

Mailing Address: 14 Convery Blvd

Fax: (732) 634-2927 x

Woodbridge, NJ 07095

Other: () - x

Type:

Email: Dennis.Mullin@mausergroup.com

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	Space heaters (< 1 MMBtu/hr) firing natural gas	Fuel Combustion Equipment (Other)	Throughout Building	0.150	2.680	2.250	0.010	0.260	0.260	0.000	0.00000000	0.000
IS2	Ink Jet Printers (< 0.5 gal/hr and < 2.5 gal/day)	Other Equipment	Northeast Side of Building	0.100	0.000	0.000	0.000	0.000	0.000	0.000	0.00000000	0.000
Total				0.250	2.680	2.250	0.010	0.260	0.260	0.000	0.00000000	0.000

BOP160001

**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
E3	E0003	Paint Spray Booth 5 - External Coating (Line 2)	Surface Coating Equipment (Non-Fabric Material)	BOP990001		No	1/1/1988	
E4	E0004	3.9 MMBTU/hr Oven Dryer 4 (Line 2)	Surface Coating Dryer	BOP990001		No	1/1/1988	
E6	E0006	Paint Spray Booth 2 - Internal Coating (Line 1)	Surface Coating Equipment (Non-Fabric Material)	126986/PCP010003		No	4/12/2001	
E7	E0007	12.8 MMBTU/hr Oven Dryer 1 (Line 1)	Surface Coating Dryer	126986/PCP010003		No	4/12/2001	
E8	E0008	Paint Spray Booth 3 - External Coating (Line 1)	Surface Coating Equipment (Non-Fabric Material)	126986/PCP010003		No	4/12/2001	
E9	E0009	6.4 MMBTU/hr Oven Dryer 2 (Line 1)	Surface Coating Dryer	126986/PCP010003		No	4/12/2001	
E10	E0010	3 MMBTU/hr Oven Dryer 5 (FRH)	Surface Coating Dryer	82397/PCP960001		No	1/1/1988	
E11	E0011	5.75 MMBTU/hr Parts Washer for Drum Lids and Drum Bottoms	Manufacturing and Materials Handling Equipment	PCP000002		No	9/1/2000	
E12	E0012	Silk Screen Printing Press	Printing Press (Graphic Arts)	01-96-1424		No	1/1/1989	
E13	E0013	Paint Supply Room #1 (Line 1 Exterior and FRH)	Manufacturing and Materials Handling Equipment	01-96-1422		No	1/1/1994	

BOP160001

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

Equip. NJID	Facility's Designation	Equipment Description	Equipment Type	Certificate Number	Install Date	Grand-Fathered	Last Mod. (Since 1968)	Equip. Set ID
E14	E0014	Paint Supply Room #2 (Line 2)	Manufacturing and Materials Handling Equipment	01-96-1423		No	1/1/1994	
E15	E0015	Paint Supply Room #3 (Parts Dept)	Manufacturing and Materials Handling Equipment	01-96-1421		No	1/1/1994	
E16	E0016	Paint Supply Room #4 (Line 1 Interior)	Manufacturing and Materials Handling Equipment	126987/PCP960008		No	1/1/1994	
E17	E0017	Paint Spray Booth 4 - Internal Coating (Parts Dept)	Surface Coating Equipment (Non-Fabric Material)	126986/PCP010003		No	4/12/2001	
E18	E0018	6 MMBTU/hr Oven Dryer 3 (Parts Dept)	Surface Coating Dryer	126986/PCP010003		No	4/12/2001	
E19	E0019	Paint Spray Booth 6 - External Coating (FRH)	Surface Coating Equipment (Non-Fabric Material)	126986/PCP010003		No	4/12/2001	
E20	E0020	Silk Screen Washing Station	Manufacturing and Materials Handling Equipment	01-96-1424		No	1/1/1989	
E28		0.45 MMBtu/hr NG Fired Silk Screen Dryer	Surface Coating Dryer			Yes		
E50	E0050	Thermal Clean Oven	Fuel Combustion Equipment (Other)		5/15/2020	No		

Make:

Manufacturer:

Model:

Method of Application:

Description:

Spray Type:

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

Have you attached any manufacturer's data or specifications which may aid in the review of this application?

Comments:

17900 MAUSER USA, LLC BOP160001 E4 (Surface Coating Dryer)
Print Date: 6/9/2020

Make:	Hudson Conveyor
Manufacturer:	Corbett Industries, Inc
Model:	4 Zone Hudson Conveyor Oven
Dryer Type:	Combustion
Heating Method:	Direct - Hot Air (350 F)
Maximum Rated Gross Heat Input (MMBtu/hr):	3.9
Maximum % Sulfur content in Fuel:	0.001
Have you attached a diagram showing the location and/or configuration of this equipment?	Yes
Have you attached any manufacturer's data or specifications which may aid in the review of this application?	No
Comments:	

Make:

Manufacturer:

Model:

Method of Application:

Description:

Spray Type:

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

Have you attached any manufacturer's data or specifications which may aid in the review of this application?

Comments:

Make: Lining Oven

Manufacturer: Blue Surf

Model:

Dryer Type: Combustion

Heating Method: Direct - Hot Air (400 F max)

Maximum Rated Gross Heat Input (MMBtu/hr): 12.8

Maximum % Sulfur content in Fuel: 0.001

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

Have you attached any manufacturer's data or specifications which may aid in the review of this application? No

Comments:

Make: Merco Soft Spray

Manufacturer: Merco

Model: Soft Spray

Method of Application: Spray

Description: External Coating of Drums (Line 1)

Spray Type: Air-Assisted

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

Have you attached any manufacturer's data or specifications which may aid in the review of this application? No

Comments:

Make:

Manufacturer:

Model:

Dryer Type:

Heating Method:

Maximum Rated Gross Heat Input (MMBtu/hr):

Maximum % Sulfur content in Fuel:

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

Have you attached any manufacturer's data or specifications which may aid in the review of this application?

Comments:

Make:

Manufacturer:

Model:

Dryer Type:

Heating Method:

Maximum Rated Gross Heat Input (MMBtu/hr):

Maximum % Sulfur content in Fuel:

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

Have you attached any manufacturer's data or specifications which may aid in the review of this application?

Comments:

Make:	Silk Screen
Manufacturer:	CARANDO
Model:	
Type of Press:	Silk Screen Printing
Does this Press use Fountain Solution?	No
Maximum Consumption of Fountain Solution (gal/yr):	NA
Density of VOC in the Fountain Solution (lbs/gal):	NA
Maximum % volume of VOC as Applied in the Fountain Solution:	NA
Maximum % Volume of Water in the Fountain Solution:	NA
Maximum Temperature of the Fountain Solution (deg F):	NA
Solution Used for Cleaning the Press:	Methyl Ethyl Ketone
Maximum Cleaning Solution used in any one hour. (gal/hr):	4.5
Maximum Cleaning Solution used in a year. (gal/yr):	1250
Density of VOC in the Cleaning Solution (lbs/gal):	6.72
Have you Attached the MSDS for the Fountain and Cleaning Solutions?	
Comments:	

Make:

Manufacturer:

Model:

Method of Application:

Description:

Spray Type:

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

Have you attached any manufacturer's data or specifications which may aid in the review of this application?

Comments:

Make:

Manufacturer:

Model:

Dryer Type:

Heating Method:

Maximum Rated Gross Heat Input (MMBtu/hr):

Maximum % Sulfur content in Fuel:

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

Have you attached any manufacturer's data or specifications which may aid in the review of this application?

Comments:

Make:

Manufacturer:

Model:

Method of Application:

Description:

Spray Type:

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

Have you attached any manufacturer's data or specifications which may aid in the review of this application?

Comments:

Make:

Manufacturer:

Model:

Dryer Type:

Heating Method:

Maximum Rated Gross Heat Input (MMBtu/hr):

Maximum % Sulfur content in Fuel:

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

Have you attached any manufacturer's data or specifications which may aid in the review of this application?

Comments:

17900 MAUSER USA, LLC BOP160001 E11 (Manufacturing and Materials Handling Equipment)
Print Date: 6/9/2020

Make:	Parts Washer
Manufacturer:	A. R. E
Model:	1871643
Type of Manufacturing and Materials Handling Equipment:	Aqueous Parts Washer
Capacity:	1.00E+03
Units:	other units
Description (if other):	lbs/hr
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	Unit contains 2 x 1.7 mmBTU burners, 3 x 0.25 mmBTU burners, 1 x Caustic Rinse Bath, 1 x Rust Inhibitor Bath, 2 x Wash Baths and 1 x Drying Oven

17900 MAUSER USA, LLC BOP160001 E13 (Manufacturing and Materials Handling Equipment)
Print Date: 6/9/2020

Make:	Paint Kitchen
Manufacturer:	N/A
Model:	N/A
Type of Manufacturing and Materials Handling Equipment:	Paint/Solvent Storage, Mixing and Supply to L
Capacity:	3.00E+02
Units:	other units
Description (if other):	lbs/hr
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	Preparation, thinning, mixing and supply of surface caoating to Line 1 Exterior Spray Booth 4 and FRH Spray Booth 6

17900 MAUSER USA, LLC BOP160001 E14 (Manufacturing and Materials Handling Equipment)
Print Date: 6/9/2020

Make:	Line 2 Kitchen
Manufacturer:	N/A
Model:	N/A
Type of Manufacturing and Materials Handling Equipment:	Paint/Solvent Storage, Mixing and Supply to L
Capacity:	2.50E+02
Units:	other units
Description (if other):	lbs/hr
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	Preparation, thinning, mixing and supply of surface caoating to Line 1 Interior Spray Booths 1 and 2

17900 MAUSER USA, LLC BOP160001 E15 (Manufacturing and Materials Handling Equipment)
Print Date: 6/9/2020

Make:	Incoater Kitchen
Manufacturer:	N/A
Model:	N/A
Type of Manufacturing and Materials Handling Equipment:	Paint/Solvent Storage, Mixing and Supply to L
Capacity:	5.00E+02
Units:	other units
Description (if other):	lbs/hr
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	Preparation, thinning, mixing and supply of lining caoating to Shell Lining Spray Booth 2

17900 MAUSER USA, LLC BOP160001 E16 (Manufacturing and Materials Handling Equipment)
Print Date: 6/9/2020

Make:	Parts Lining Kitchen
Manufacturer:	N/A
Model:	N/A
Type of Manufacturing and Materials Handling Equipment:	Paint/Solvent Storage, Mixing and Supply to L
Capacity:	2.00E+02
Units:	other units
Description (if other):	lbs/hr
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	Preparation, thinning, mixing and supply of surface caoating to Parts Lining Spray Booth 4 and FRH Spray Booth 6

17900 MAUSER USA, LLC BOP160001 E20 (Manufacturing and Materials Handling Equipment)
Print Date: 6/9/2020

Make:	Silk Screen Wash Station
Manufacturer:	Blacline Mfg
Model:	
Type of Manufacturing and Materials Handling Equipment:	Silk Screen Washing Station
Capacity:	6.00E+01
Units:	other units
Description (if other):	lbs/hr
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	Used for the cleaning of residual ink for screens used at silk screen printing station.

17900 MAUSER USA, LLC BOP160001 E50 (Fuel Combustion Equipment (Other))
Print Date: 6/9/2020

Make:
Manufacturer:
Model:
Maximum rated Gross Heat Input (MMBtu/hr-HHV):
Type of Heat Exchange:
Equipment Type 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:

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

BOP160001

**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
CD4	CD0004	Water Curtain - Spray Booth 5 (Line 2)	Scrubber (Other)		No	1/1/1988	
CD5	CD0005	6.9 MMBTU/hr Regerative Thermal Oxidizer (RTO)	Oxidizer (Thermal)		No	4/12/2001	
CD8	CD0008	Dry Filter - Spray Booth 2 (Line 1 Interior)	Particulate Filter (Other)		No	1/1/1994	
CD9	CD0009	Dry Filter - Spray Booth 3 (Line 1 Exterior)	Particulate Filter (Other)		No	1/1/1994	
CD10	CD0010	Dry Filter - Spray Booth 4 (Parts Dept)	Particulate Filter (Other)		No	7/1/1996	
CD12	CD0012	FRH PAD Filter	Particulate Filter (Other)		No		

Make:	<input type="text"/>
Manufacturer:	<input type="text" value="Binks"/>
Model:	<input type="text" value="Water Curtain"/>
Scrubber Type:	<input type="text" value="Water Curtain"/>
Description:	<input type="text"/>
Is the Scrubber used for Particulate Control?	<input type="text" value="Yes"/>
Is the Scrubber used for Gas Control?	<input type="text" value="No"/>
Is the Scrubber Equipped with a Mist Eliminator?	<input type="text" value="No"/>
Minimum Pump Discharge Pressure (in. H2O):	<input type="text" value="NA"/>
Maximum Pump Discharge Pressure (in. H2O):	<input type="text" value="NA"/>
Method of Monitoring Pump Discharge Pressure:	<input type="text" value="NA"/>
Minimum Pump Current (amps):	<input type="text" value="NA"/>
Maximum Pump Current (amps):	<input type="text" value="NA"/>
Method of Monitoring Pump Current:	<input type="text" value="NA"/>
Minimum Scrubber Medium Inlet Pressure (in. H2O):	<input type="text" value="NA"/>
Minimum Operating Liquid Flow Rate (gpm):	<input type="text" value="NA"/>
Maximum Operating Liquid Flow Rate (gpm):	<input type="text" value="NA"/>
Method of Monitoring Liquid Flow Rate:	<input type="text"/>
Minimum Operating Gas Flow Rate (acfm):	<input type="text" value="0"/>
Maximum Operating Gas Flow Rate (acfm):	<input type="text" value="9600"/>
Method of Monitoring Gas Flow Rate:	<input type="text" value="NA"/>

Minimum Operating Pressure Drop (in. H2O): NA

Maximum Operating Pressure Drop (in. H2O): NA

Method of Monitoring Pressure Drop: NA

Relative Direction of the Gas-Liquid Flow: Counter-Current

Number of Plates: NA

Type of Plates: NA

Spacing Between Plates (in.): NA

Maximum Inlet Gas Temperature (deg F): Ambient

Maximum Outlet Gas Temperature (deg F): Ambient

Inlet Particle Grain Loading (gr/dscf): 0.004

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:

Have you attached data from recent performance testing? No

Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus? No

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

Comments:

Make:	<input type="text"/>
Manufacturer:	<input type="text" value="Huntington"/>
Model:	<input type="text" value="Regenerative"/>
Minimum Chamber Temperature (deg F):	<input type="text" value="1500"/>
Minimum Residence Time (sec):	<input type="text" value="0.5"/>
Fuel Type:	<input type="text" value="Natural Gas"/>
Maximum Rated Gross Heat Input (MMBtu/hr):	<input type="text" value="6.9"/>
Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-permitted Sources):	<input type="text" value="10"/>
Alternative Method to Demonstrate Control Apparatus is Operating Properly:	<input type="text" value="Continuous Monitoring of CO, O2, Temp"/>
Have you attached data from recent performance testing?	<input type="text" value="No"/>
Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus?	<input type="text" value="No"/>
Have you attached a diagram showing the location and/or configuration of this control apparatus?	<input type="text" value="Yes"/>
Comments:	<input type="text" value="Blower on each burner 0-3500 cfm as needed"/>

Make:	<input type="text"/>
Manufacturer:	<input type="text"/>
Model:	<input type="text"/>
Filter Description:	<input type="text" value="Spraybooth Dry Filter"/>
Total Filter Area (ft2):	<input type="text" value="12"/>
Maximum Design Temperature Capability (deg F):	<input type="text" value="200"/>
Maximum Design Air Flow Rate (acfm):	<input type="text" value="2800"/>
Maximum Air Flow Rate to Filter Area Ratio:	<input type="text" value="160"/>
Minimum Operating Pressure Drop (in. H2O):	<input type="text" value="0.05"/>
Maximum Operating Pressure Drop (in. H2O):	<input type="text" value="1"/>
Maximum Inlet Temperature (deg F):	<input type="text" value="Ambient"/>
Maximum Operating Exhaust Gas Flow Rate (acfm):	<input type="text" value="2000"/>
Method for Determining When Filter Replacement is Required:	<input type="text" value="SOP, Change weekly"/>
Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-permitted Sources):	<input type="text" value="1"/>
Alternative Method to Demonstrate Control Apparatus is Operating Properly:	<input type="text"/>
Have you attached a Particle Size Distribution Analysis?	<input type="text" value="No"/>
Have you attached data from recent performance testing?	<input type="text" value="No"/>
Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus?	<input type="text" value="No"/>
Have you attached a diagram showing the location and/or configuration of this control apparatus?	<input type="text"/>
Comments:	<input type="text"/>

Make:	<input type="text"/>
Manufacturer:	<input type="text"/>
Model:	<input type="text"/>
Filter Description:	<input type="text" value="Spraybooth Dry Filter"/>
Total Filter Area (ft2):	<input type="text" value="16"/>
Maximum Design Temperature Capability (deg F):	<input type="text" value="200"/>
Maximum Design Air Flow Rate (acfm):	<input type="text" value="7000"/>
Maximum Air Flow Rate to Filter Area Ratio:	<input type="text" value="375"/>
Minimum Operating Pressure Drop (in. H2O):	<input type="text" value="0.05"/>
Maximum Operating Pressure Drop (in. H2O):	<input type="text" value="0.5"/>
Maximum Inlet Temperature (deg F):	<input type="text" value="Ambient"/>
Maximum Operating Exhaust Gas Flow Rate (acfm):	<input type="text" value="6000"/>
Method for Determining When Filter Replacement is Required:	<input type="text" value="High Pressure Drop, Visual"/>
Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-permitted Sources):	<input type="text" value="1"/>
Alternative Method to Demonstrate Control Apparatus is Operating Properly:	<input type="text"/>
Have you attached a Particle Size Distribution Analysis?	<input type="text" value="No"/>
Have you attached data from recent performance testing?	<input type="text" value="No"/>
Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus?	<input type="text" value="No"/>
Have you attached a diagram showing the location and/or configuration of this control apparatus?	<input type="text"/>
Comments:	<input type="text"/>

Make:	<input type="text"/>
Manufacturer:	<input type="text"/>
Model:	<input type="text"/>
Filter Description:	<input type="text" value="Spraybooth Dry Filter"/>
Total Filter Area (ft ²):	<input type="text" value="192"/>
Maximum Design Temperature Capability (deg F):	<input type="text" value="200"/>
Maximum Design Air Flow Rate (acfm):	<input type="text" value="7200"/>
Maximum Air Flow Rate to Filter Area Ratio:	<input type="text" value="38"/>
Minimum Operating Pressure Drop (in. H ₂ O):	<input type="text" value="0.05"/>
Maximum Operating Pressure Drop (in. H ₂ O):	<input type="text" value="0.5"/>
Maximum Inlet Temperature (deg F):	<input type="text" value="Ambient"/>
Maximum Operating Exhaust Gas Flow Rate (acfm):	<input type="text" value="3000"/>
Method for Determining When Filter Replacement is Required:	<input type="text" value="High Pressure Drop, Visual"/>
Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-permitted Sources):	<input type="text" value="2"/>
Alternative Method to Demonstrate Control Apparatus is Operating Properly:	<input type="text"/>
Have you attached a Particle Size Distribution Analysis?	<input type="text" value="No"/>
Have you attached data from recent performance testing?	<input type="text" value="No"/>
Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus?	<input type="text" value="No"/>
Have you attached a diagram showing the location and/or configuration of this control apparatus?	<input type="text"/>
Comments:	<input type="text"/>

17900 MAUSER USA, LLC BOP160001 CD12 (Particulate Filter (Other))
Print Date: 6/9/2020

Make:

Manufacturer:

Model:

Filter Description:

1" deep, 5 layer expanded paper with polyester final layer

Total Filter Area (ft²):

24.00

Maximum Design Temperature Capability (°F):

130.0

Maximum Design Air Flow Rate (acfm):

1,035.0

Maximum Air Flow Rate to Filter Area Ratio:

43.100

Minimum Operating Pressure Drop (in. H₂O):

Maximum Operating Pressure Drop (in. H₂O):

Maximum Inlet Temperature (°F):

130.0

Maximum Operating Exhaust Gas Flow Rate (acfm):

1,035.0

Method for Determining When Filter Replacement is Required:

Replace filter media daily after use

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:

Visible check on filter media

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:

17900 MAUSER USA, LLC BOP160001 CD12 (Particulate Filter (Other))
Print Date: 6/9/2020

New Jersey Department of Environmental Protection
Emission Points Inventory

PT NJID	Facility's Designation	Description	Config.	Equiv. Diam. (in.)	Height (ft.)	Dist. to Prop. Line (ft)	Exhaust Temp. (deg. F)			Exhaust Vol. (acfm)			Discharge Direction	PT Set ID
							Avg.	Min.	Max.	Avg.	Min.	Max.		
PT3	PT0003	Spray Booth 5 (Line 2)	Round	33	23	80	70.0	70.0	70.0	9,600.0	8,600.0	10,600.0	Horizontal	
PT4	PT0004	Hood Between Spray Booth 5 & Oven Dryer 4 (Line 2)	Round	42	23	90	70.0	70.0	70.0	5,000.0	4,500.0	5,500.0	Horizontal	
PT5	PT0005	Oven Dryer 4 (Line 2)	Round	12	23	90	250.0	200.0	300.0	3,500.0	3,150.0	3,850.0	Horizontal	
PT6	PT0006	Oven Dryer 4 (Line 2)	Round	24	23	100	300.0	250.0	350.0	2,900.0	2,700.0	3,000.0	Up	
PT7	PT0007	Oven Dryer 4 (Line 2)	Round	24	23	100	300.0	250.0	350.0	2,900.0	2,700.0	3,000.0	Up	
PT8	PT0008	Oven Dryer 4 (Line 2)	Round	24	23	100	300.0	250.0	350.0	2,900.0	2,700.0	3,000.0	Up	
PT9	PT0009	Oven Dryer 4 (Line 2)	Round	12	23	90	300.0	250.0	350.0	2,900.0	2,700.0	3,000.0	Up	
PT10	PT0010	Hood At Outlet of Oven Dryer 4 (Line 2)	Round	12	23	80	250.0	200.0	300.0	3,000.0	3,150.0	3,850.0	Horizontal	
PT11	PT0011	Regenerative Thermal Oxidizer	Round	42	38	150	350.0	350.0	350.0	44,000.0	45,700.0	49,700.0	Up	
PT12	PT0012	Oven Dryer 5 (FRH)	Round	16	24	180	350.0	300.0	400.0	3,500.0	3,000.0	4,000.0	Horizontal	
PT13	PT0013	Parts Washer	Round	12	21	82	180.0	130.0	200.0	2,400.0	2,000.0	3,000.0	Up	
PT14	PT0014	Parts Washer	Round	8	21	94	350.0	250.0	450.0	220.0	180.0	250.0	Horizontal	
PT15	PT0015	Parts Washer	Round	8	21	103	350.0	250.0	450.0	220.0	180.0	250.0	Horizontal	
PT16	PT0016	Parts Washer	Round	8	21	114	350.0	250.0	450.0	220.0	180.0	250.0	Horizontal	
PT17	PT0017	Parts Washer	Round	8	21	126	350.0	250.0	450.0	220.0	180.0	250.0	Horizontal	
PT18	PT0018	Silk Screen Washing Station	Round	12	21	180	70.0	50.0	100.0	3,000.0	2,700.0	3,300.0	Horizontal	
PT19	PT0019	Paint Supply Room 1 (Line 1 Exterior)	Round	22	19	180	70.0	50.0	100.0	4,500.0	4,000.0	5,000.0	Horizontal	
PT20	PT0020	Paint Supply Room 4 (Line 2)	Round	22	17	130	70.0	50.0	100.0	4,500.0	4,000.0	5,000.0	Up	

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							Avg.	Min.	Max.	Avg.	Min.	Max.		
PT21	PT0021	Paint Supply Room 3 (Parts Dept)	Round	18	24	150	70.0	50.0	100.0	4,500.0	4,000.0	5,000.0	Horizontal	
PT22	PT0022	Paint Supply Room 2 (Line 1 Interior)	Round	18	20	150	70.0	50.0	100.0	4,000.0	3,600.0	4,400.0	Horizontal	
PT33	PT0033	Oven Dryer 5 (FRH)	Round	14	22	180	350.0	300.0	400.0	3,500.0	3,000.0	4,000.0	Horizontal	
PT34	PT0034	Parts Washer	Round	12	21	126	200.0	300.0	400.0	2,400.0	2,000.0	3,000.0	Up	
PT35	PT0035	Parts Washer	Round	12	21	130	180.0	180.0	200.0	2,400.0	2,000.0	3,000.0	Up	
PT36	PT0036	Popper Vent 1 - Parts Lining Oven	Round	24	27	239	250.0	0.0	550.0	1,500.0	1,000.0	2,000.0	Horizontal	
PT37	PT0037	Popper Vent 2 - Parts Lining Oven	Round	24	28	230	250.0	0.0	550.0	1,500.0	1,000.0	2,000.0	Horizontal	
PT38	PT0038	Popper Vent 3 - Parts Lining Spray Booth	Round	18	27	230	70.0	0.0	100.0	3,000.0	2,000.0	4,000.0	Horizontal	
PT39	PT0039	Popper Vent 4 - FRH Spray Booth	Round	18	26	207	70.0	0.0	100.0	900.0	500.0	1,500.0	Horizontal	
PT40	PT0040	Popper Vent 5 - Line 1 Ext Spray Booth	Round	18	24	203	70.0	0.0	100.0	6,000.0	5,000.0	7,000.0	Horizontal	
PT41	PT0041	Popper Vent 6 - Line 1 Int Oven	Round	22	24	203	250.0	0.0	550.0	10,000.0	9,000.0	11,000.0	Horizontal	
PT42	PT0042	Popper Vent 7 - Line 1 Ext Oven	Round	16	24	199	250.0	0.0	550.0	9,000.0	8,000.0	10,000.0	Horizontal	
PT43	PT0043	Popper Vent 8 - Line 1 Int Spray Booth	Round	28	25	188	70.0	0.0	100.0	3,000.0	2,000.0	4,800.0	Horizontal	
PT50	PT0050	Thermal Cln Oven Entry	Round	22	25	50	460.0	60.0	500.0	6,515.0			Up	
PT51	PT0051	Thermal Cln Oven Exit	Round	22	25	50	460.0	60.0	500.0	6,515.0			Up	

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							Avg.	Min.	Max.	Avg.	Min.	Max.		
PT52	PT0051	Thermal Cln Oven Cooling Zone	Round	36	25	50	250.0	60.0	460.0	26,894.0			Up	

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

U 1 U001 Paint Application and Drying Ovens (Line 1 and Parts Dept and FRH) with RTO Emission Control Subject to NESHAPS 40 CFR 63 Subpart M

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS3	SB02	Internal Coating Spray Booth 2 (E6)	Normal - Steady State	E6	CD5 (S) CD8 (P)	PT11	4-02-026-06	0.0	8,560.0		0.0	2,800.0	0.0	100.0
OS4	OD01	12.8 MMBtu/hr Oven Dryer 1 (E7)	Normal - Steady State	E7	CD5 (P)	PT11	4-02-010-01	0.0	8,560.0		0.0	11,000.0	70.0	400.0
OS5	SB03	External Coating Spray Booth 3 (E8)	Normal - Steady State	E8	CD5 (S) CD9 (P)	PT11	4-02-026-07	0.0	8,560.0		0.0	7,000.0	0.0	100.0
OS6	OD02	6.4 MMBtu/hr Oven Dryer 2 (E9)	Normal - Steady State	E9	CD5 (P)	PT11	4-02-010-01	0.0	8,560.0		0.0	10,000.0	70.0	400.0
OS7	SB04	Internal Coating of Parts in Spray Booth 4 (E17)	Normal - Steady State	E17	CD10 (P) CD5 (S)	PT11	4-02-026-06	0.0	8,560.0		0.0	1,500.0	0.0	100.0
OS8	OD03	6 MMBtu/hr Oven Dryer 3 (E18)	Normal - Steady State	E18	CD5 (P)	PT11	4-02-010-01	0.0	8,560.0		0.0	4,000.0	70.0	400.0
OS10	PV08-2	Popper Vent for Spray Booths 1 and 2 (E5 & E6)	Startup	E6		PT43	4-02-026-06	0.0	200.0		0.0	2,800.0	0.0	100.0
OS11	PV06	Popper Vent for 12.8 MMBtu/hr Oven Dryer 1 (E7)	Startup	E7		PT41	4-02-010-01	0.0	200.0		0.0	11,000.0	70.0	400.0
OS12	PV05	Popper Vent for Spray Booth 3 (E8)	Startup	E8		PT40	4-02-026-07	0.0	200.0		0.0	7,000.0	0.0	100.0
OS13	PV07	Popper Vent for 6.4 MMBtu/hr Oven Dryer 2 (E9)	Startup	E9		PT42	4-02-010-01	0.0	200.0		0.0	10,000.0	70.0	400.0
OS14	PV03	Popper Vent for Spray Booth 4 (E17)	Startup	E17		PT38	4-02-026-06	0.0	200.0		0.0	1,500.0	0.0	100.0
OS15	PV01/02	Popper Vent for 6.0 MMBtu/hr Oven Dryer 3 (E18)	Startup	E18		PT36 PT37	4-02-010-01	0.0	500.0		0.0	4,000.0	70.0	400.0

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UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS16	SB06	FRH External Spray Booth 6 (E19), controlled by PAD Filter CD12 and RTO CD5.	Normal - Steady State	E19	CD12 (P) CD5 (S)	PT11	4-02-026-07	0.0	4,000.0		0.0	900.0	70.0	90.0
OS17	OD05	3 MMBtu/hr FRH Oven Dryer 5 (E10)	Normal - Steady State	E10		PT12 PT33	4-02-010-01	0.0	2,600.0		0.0	8,000.0	0.0	400.0
OS18	PV04	Popper Vent for Spray Booth 6 (E19)	Startup	E19		PT39	4-02-026-07	0.0	200.0		0.0	1,500.0	70.0	90.0
OS19		Application of Adhesive to Drum Lids and Placement of Resilient Seal	Normal - Steady State	E19		PT12 PT33		0.0	8,760.0		0.0	8,000.0	70.0	80.0

U 2 U002 High Solids Paint Application (Line 2) using coatings compliant w/ NESHAPS 40 CFR 63 Subpart M

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS1	SB05	Line 2 Internal/External Spray Booth 5 (E3) controlled by Water Curain CD4	Normal - Steady State	E3	CD4 (P)	PT3	4-02-026-07 4-02-026-06	0.0	2,600.0		0.0	9,600.0	0.0	100.0

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

U 2 U002 High Solids Paint Application (Line 2) using coatings compliant w/ NESHAPS 40 CFR 63 Subpart M

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS2	OD04	3.9 MMBtu/hr Line 2 Oven Dryer 4 (E4)	Normal - Steady State	E4		PT10 PT4 PT5 PT6 PT7 PT8 PT9	4-02-010-01	0.0	2,600.0		0.0	23,000.0	0.0	350.0

U 3 U003 5.75 MMBtu/hr Natural Gas-Fired Hot Aqueous Parts Washer (E11) for Drum Lids and Drum Bottoms

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS1	PW01	Pretreating Lids and Bottoms before Coating in Parts Dept.	Normal - Steady State	E11		PT13 PT14 PT15 PT16 PT17 PT34 PT35	3-09-999-99 3-99-006-01	0.0	8,760.0		6,720.0	10,000.0	100.0	600.0

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

U 4 U004 Silk Screen Printing (E12 & E28) and Washing Station (E20)

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS1	SSPP01	Silk Screen Printing Press (E12)	Normal - Steady State	E12		PT18	4-05-008-01	0.0	2,000.0		0.0	3,000.0	70.0	90.0
OS2	SSWS01	Silk Screen Washing Station (E20)	Normal - Steady State	E20		PT18	4-05-008-02	0.0	250.0		0.0	3,000.0	70.0	80.0
OS3		Drying Drum Surfaces after Lettering	Normal - Steady State	E28		PT18	4-05-001-01	0.0	2,000.0		0.0	3,000.0	70.0	90.0

U 6 U006 Paint Supply Rooms (Paint Lockers)

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS1	PL01	Paint Locker #1 (E13)	Normal - Steady State	E13		PT19	4-02-026-04 4-02-026-03	0.0	4,992.0		4,000.0	5,000.0	50.0	100.0
OS2	PL02	Paint Locker #2 (E14)	Normal - Steady State	E14		PT22	4-02-026-03 4-02-026-04	0.0	4,992.0		500.0	750.0	50.0	100.0
OS3	PL03	Paint Locker #3 (E15)	Normal - Steady State	E15		PT21	4-02-026-04 4-02-026-03	0.0	4,992.0		4,000.0	5,000.0	50.0	100.0
OS4	PL04	Paint Locker #4 (E16)	Normal - Steady State	E16		PT20	4-02-026-03 4-02-026-04	0.0	4,992.0		5,700.0	7,100.0	50.0	100.0

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 BOP160001

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

U 9 U009 Thermal Clean Oven for Drum Lids and Bottoms

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS1	ThermCln_CP	Thermal Clean Oven - Combustion and Process Emissions	Normal - Steady State	E50		PT50 PT51	1-03-006-03	0.0	4,160.0	A	5,000.0	5,000.0	460.0	460.0

**New Jersey Department of Environmental Protection
Subject Item Group Inventory**

Group NJID: GR1 Fac Wide GR

Members:

Type	ID	OS	Step
U	U 1	OS0 Summary	
U	U 2	OS0 Summary	
U	U 3	OS0 Summary	
U	U 4	OS0 Summary	
U	U 6	OS0 Summary	

Formal Reason(s) for Group/Cap:

Other

Other (explain): Maximum usage of coating and fuel for all equipment

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

Operating Circumstances:

Normal operation

**New Jersey Department of Environmental Protection
Subject Item Group Inventory**

Group NJID: GR2 NESHAPS

Members:

Type	ID	OS	Step
U	U 1	OS0 Summary	
U	U 2	OS0 Summary	

Formal Reason(s) for Group/Cap:

Other

Other (explain): Federal Subpart A NESHAP requirements common to both Line 1 and Line 2

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

40 CFR 63 Subpart A

Operating Circumstances: