



State of New Jersey

Department of Environmental Protection

Air Quality, Energy and Sustainability

Division of Air Quality

Bureau of Stationary Sources

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Trenton, NJ 08625-0420

PHILIP D. MURPHY

Governor

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Lt. Governor

CATHERINE R. McCABE

Commissioner

Air Pollution Control Operating Permit Significant Modification

Permit Activity Number: BOP200001

Program Interest Number: 31682

Mailing Address	Plant Location
JONATHAN B HIRSH PRESIDENT LAMART CORP 16 RICHMOND ST Clifton, NJ 07011	LAMART CORP 16 Richmond St Clifton Passaic County

Initial Operating Permit Approval Date:

December 16, 2003

Operating Permit Approval Date:

DRAFT

Operating Permit Expiration Date:

December 15, 2023

AUTHORITY AND APPLICABILITY

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

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

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

PERMIT SHIELD

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

COMPLIANCE SCHEDULES

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

COMPLIANCE CERTIFICATIONS AND DEVIATION REPORTS

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

ACCESSING PERMITS

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

HELPLINE

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

RENEWING YOUR OPERATING PERMIT AND APPLICATION SHIELD

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

COMPLIANCE ASSURANCE MONITORING

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

ADMINISTRATIVE HEARING REQUEST

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

If you have any questions regarding this permit approval, please call William Forero at (609) 292-1079.

Approved by:

Aliya M. Khan

Enclosure

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

Facility Name: LAMART CORP
Program Interest Number: 31682
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Section A

**Facility Name: LAMART CORP
 Program Interest Number: 31682
 Permit Activity Number: BOP200001**

POLLUTANT EMISSIONS SUMMARY

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

Facility's Potential Emissions from all Significant Source Operations (tons per year)										
Source Categories	VOC (total)	NO _x	CO	SO ₂	TSP (total)	PM ₁₀ (total)	PM _{2.5} (total)	Pb	HAPs* (total)	CO _{2e} ²
Emission Units Summary	51.2	18.1	25.2	N/A	1.31	1.31	1.31	N/A	41.4	
Batch Process Summary	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Group Summary	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Total Emissions	51.2	18.1	25.2	N/A	1.31	1.31	1.31	N/A	41.4	23,127

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

Emissions from all Insignificant Source Operations and Non-Source Fugitive Emissions (tons per year)									
Source Categories	VOC (total)	NO _x	CO	SO ₂	TSP (total)	PM ₁₀ (total)	PM _{2.5} (total)	Pb	HAPs (total)
Insignificant Source Operations	0.160	1.58	0.816	0.009	0.125	0.125	0.125	N/A	N/A
Non-Source Fugitive Emissions ³	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

VOC: Volatile Organic Compounds 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 Total CO_{2e} emissions for the facility that includes all Significant Source Operations (emission units, batch process, group) and Insignificant Source Operations.
³ 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: LAMART CORP
Program Interest Number: 31682
Permit Activity Number: BOP200001

POLLUTANT EMISSIONS SUMMARY

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

HAP	TPY
Glycol ethers	21
Hexane (-n)	36.9
Methyl alcohol (methanol)	35.4
Methyl isobutyl ketone	35.4
Toluene	39.9
Xylene	5.0

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

Other Air Contaminant	TPY
Methane	0.03
Ozone	3.8

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

Section B

Facility Name: LAMART CORP
Program Interest Number: 31682
Permit Activity Number: BOP200001

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: LAMART CORP
Program Interest Number: 31682
Permit Activity Number: BOP200001

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>
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B	---	13b	---
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D	FC	---	9

Section D

Facility Name: LAMART CORP
Program Interest Number: 31682
Permit Activity Number: BOP200001

FACILITY SPECIFIC REQUIREMENTS AND INVENTORIES

FACILITY SPECIFIC REQUIREMENTS PAGE INDEX

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Non-Source Fugitive Emissions (FG):

FG NJID	FG Description	
FG1		6

Insignificant Sources (IS):

IS NJID	IS Description	
IS1	Heater, heat input rate 164,000 Btu/hr	7
IS4	Cold Cleaning Degreaser - 10 gallon (Top opening < 6 sq. ft., Capacity < 100 gallons)	6
IS5	5 Heaters, heat input rate 200,000 Btu/hr each	6
IS6	Boiler, heat input rate 146,000 Btu/hr	6
IS7	Heater, heat input rate 75,000 Btu/hr	6
IS8	4 Heaters, heat input rate 200,000 Btu/hr each	6
IS9	2 Heaters, heat input rate 400,000 Btu/hr each	6
IS10	Heater, heat input rate 75,000 Btu/hr	6
IS11	2 Boilers, heat input rate 154,000 Btu/hr each	6
IS12	2 Heaters, heat input rate 250,000 Btu/hr each	6

Groups (GR):

GR NJID	GR Designation	GR Description	
GR1	N.G. Burners	Facility-wide Natural Gas Combustion Drying Ovens, Air Heater and Thermal Oxidizers	11
GR2	MACT SubJJJJ	MACT Subpart A and MACT Subpart JJJJ Requirements for U1 & U7 Coating Lines	12
GR3	NSPS SubP-RR	NSPS - Subpart A, and NSPS - Subpart RR - Applicable to U1 and U7	23

Emission Units (U):

U NJID	U Designation	U Description	
U1	Coatings	Coating Operations Subj to NSPS Subpart A, NSPS Subpart RR & MACT Subpart A, MACT Subpart JJJJ	28

		(Machines #1, #3, #5 and Lab Coater w/ ovens), Controll	
U2	Corona Tr #4	Corona Treater No. 4 Coater with UV Curing Lamp - OS3 VOC Coatings Subj to NSPS Subpart A, and NSPS Subpart FFF	61
U3	MAH	2 MMBTU/hr Natural Gas-fired Make-up air heater	70
U7	Building #5	Reverse Roll Coater & Oven subject to NSPS Subpart A, and NSPS Subpart RR, & MACT Subpart A, and MACT Subpart JJJ Controlled by Regenerative Thermal	72
U8	Mixing Room	Mixing Room - 5 Mixers	90
U9	SolventRecov	Solvent Recovery Unit	94

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

Permit Being Modified

Permit Class: BOP **Number:** 190002

Description of Modifications: This permit modification increases the annual coating operating hours at the emission unit inventory level and the compliance plan from 4,000 to 8760 for the emission unit U1 – coating operations at operating scenarios OS1-E101 and OS2-E103 rotogravure coatings to match the current approved drying operating hours of the drying ovens at operating scenarios OS5-E102, and OS7-E107. Similarly, the annual coating hours of the lab coater at operating scenario U1 OS4-E107 were increased from 2,000 to 8,760 at emission unit inventory level and compliance plan, while the annual drying operating hours of the electric drying oven at operating scenario U1 OS11-E108 were corrected from 2,000 to 8,760 at emission unit inventory level only since its compliance plan already had unrestricted hours of operation. This modification maintains the current approved annual emissions and coating material throughput and continue demonstrating compliance with the emissions by monitoring the annual coating material processed and recording the usage in a rolling monthly basis.

BOP200001

**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]

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
13	<p>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.</p> <p>[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)]</p>	None.	<p>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)].</p>	<p>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.</p> <p>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.</p> <p>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.</p> <p>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]</p>
14	<p>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]</p>	None.	None.	<p>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)]</p>
15	<p>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]</p>	<p>Other: Comply with 40 CFR 68. [40 CFR 68].</p>	<p>Other: Comply with 40 CFR 68. [40 CFR 68].</p>	<p>Other (provide description): Other. Comply with 40 CFR 68 as described in the Applicable Requirement. [40 CFR 68]</p>

**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
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Subject Item: IS1 Heater, heat input rate 164,000 Btu/hr, IS5 5 Heaters, heat input rate 200,000 Btu/hr each, IS6 Boiler, heat input rate 146,000 Btu/hr, IS7 Heater, heat input rate 75,000 Btu/hr, IS8 4 Heaters, heat input rate 200,000 Btu/hr each, IS9 2 Heaters, heat input rate 400,000 Btu/hr each, IS10 Heater, heat input rate 75,000 Btu/hr, IS11 2 Boilers, heat input rate 154,000 Btu/hr each, IS12 2 Heaters, heat input rate 250,000 Btu/hr each

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.[7:27-3.2(a)] & [N.J.A.C. 7:27- 3.2(c)]	None.	None.	None.
2	Heater's fuel type limited to Natural Gas. [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: IS4 Cold Cleaning Degreaser - 10 gallon (Top opening < 6 sq. ft., Capacity < 100 gallons)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	The machine shall have (1) a freeboard ratio of 0.75 or greater and (2) a visible fill line and high level liquid mark. [N.J.A.C. 7:27-16.6(j)1i]	None.	None.	None.
2	The machine shall have: a permanent, conspicuous label placed in a prominent location on the machine setting forth the applicable provisions of the operating requirements in N.J.A.C. 7:27-16.6(j)2. [N.J.A.C. 7:27-16.6(j)1ii]	None.	None.	None.
3	The machine shall be equipped with: (1) A tightly fitting working-mode cover that completely covers the machine's opening and that shall be kept closed at all times except when parts are being placed into or being removed from the machine or when solvent is being added or removed. For a remote reservoir cold cleaning machine which drains directly into the solvent storage reservoir, a perforated drain with a diameter of not more than six inches shall constitute an acceptable cover; (2) If the machine is a heated cleaning machine, a thermostat. [N.J.A.C. 7:27-16.6(j)1iii]	None.	None.	None.
4	The solvent level in the machine shall not exceed the fill line when there are no parts in the machine for cleaning and shall not exceed the high level liquid mark during cleaning operations. [N.J.A.C. 7:27-16.6(j)2i]	None.	None.	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
5	Flushing of parts with a solvent spray, using a spray head attached to a flexible hose or other flushing device, shall be performed only within the freeboard area of the machine. The solvent spray shall be a continuous fluid stream not an atomized or shower spray, and shall be under a pressure that does not exceed ten pounds per square inch gauge. [N.J.A.C. 7:27-16.6(j)2ii]	None.	None.	None.
6	Parts being cleaned shall be drained for at least 15 seconds or until dripping ceases, whichever is longer. Parts having cavities or blind holes shall be tipped or rotated while the part is draining. During the draining, tipping or rotating, the parts shall be positioned so that solvent drains directly back into the machine. [N.J.A.C. 7:27-16.6(j)2iii]	None.	None.	None.
7	When the machine's cover is open, the machine shall not be exposed to drafts greater than 40 meters per minute (132 feet per minute), as measured between one and two meters (between 3.3 and 6.6 feet) upwind and at the same elevation as the tank lip. [N.J.A.C. 7:27-16.6(j)2iv]	None.	None.	None.
8	Sponges, fabric, leather, paper products and other absorbent materials shall not be cleaned in the machine. [N.J.A.C. 7:27-16.6(j)2v]	None.	None.	None.
9	When a pump-agitated solvent bath is used, the agitator shall be operated to produce a rolling motion of the solvent with no observable splashing of solvent against the tank walls or the parts being cleaned. Air agitated solvent baths may not be used. [N.J.A.C. 7:27-16.6(j)2vi]	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
10	Spills during solvent transfer and use of the machine shall be cleaned up immediately, and the wipe rags or other sorbent material used shall be immediately stored in covered containers for disposal or recycling. [N.J.A.C. 7:27-16.6(j)2vii]	None.	None.	None.
11	Waste solvent shall be collected and stored in a closed container. The closed container may contain a device that allows pressure relief, provided that it does not allow liquid solvent to drain from the container. [N.J.A.C. 7:27-16.6(j)2viii]	None.	None.	None.
12	Work area fans shall be located and positioned so that they do not blow across the opening of the degreaser unit. [N.J.A.C. 7:27-16.6(j)2ix]	None.	None.	None.
13	If the machine is a heated cleaning machine, the solvent shall be maintained at a temperature that is below its boiling point. [N.J.A.C. 7:27-16.6(j)2x]	None.	None.	None.

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Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
14	No person shall use, in a cold cleaning machine, any solvent that has a vapor pressure of one millimeter of mercury or greater, measured at 20 degrees centigrade (68 degrees Fahrenheit). [N.J.A.C. 7:27-16.6(j)3]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The permittee shall maintain, for not less than two years after the date of purchase of solvent for use in the machine, the following information: i. The name and address of the person selling the solvent. An invoice, bill of sale, or a certificate that corresponds to a number of sales, if it has the seller's name and address on it, may be used to satisfy this requirement. ii. A list of VOC(s) and their concentration information in the solvent. iii. Information about each VOC listed pursuant to ii above. A Material Safety Data Sheet (MSDS) may be used to satisfy this requirement. iv. The solvents product number assigned by the manufacturer; and v. The vapor pressure of the solvent measured in millimeters of mercury at 20 degrees centigrade (68 degrees Fahrenheit). [N.J.A.C. 7:27-16.6(j)4]	None.

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

Subject Item: GR1 Facility-wide Natural Gas Combustion Drying Ovens, Air Heater and Thermal Oxidizers

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Natural Gas Usage <= 383.17 MMft ³ /yr. Facility-wide annual, 8760 hours, natural gas total usage limit from insignificant heaters (IS1, IS2, IS3), coating machine drying ovens (E25, E102, E104, E116), make-up air heater (E301), and thermal oxidizers (CD6, CD102). [N.J.A.C. 7:27-22.16(a)]	Natural Gas Usage: Monitored by fuel flow/firing rate instrument continuously, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	Natural Gas Usage: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The stored data shall include: 1. Record the facility-wide natural gas consumption total each month from all burners, heaters and oxidizers. 2. Record the calculated natural gas consumption (Standard Cubic Feet) for any 12 consecutive months, computed by adding the fuel consumed in a given month to that consumed in the preceding 11 months. [N.J.A.C. 7:27-22.16(o)]	None.

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Subject Item: GR2 MACT Subpart A and MACT Subpart JJJJ Requirements for U1 & U7 Coating Lines

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	This facility utilizes a source subject to 40 CFR 63 Subpart JJJJ, namely the web coating lines engaged in the coating of metal webs that are used in flexible packaging, and web coating lines engaged in the coating of fabric substrates for use in pressure sensitive tape and abrasive materials. [40 CFR 63.3300]	None.	None.	None.
2	No owner or operator subject to the provisions of MACT Subpart A in 40 CFR 63 shall build, erect, install, or use any article, machine, equipment, or process to conceal an emission that would otherwise constitute noncompliance with a relevant standard. Such concealment includes, but is not limited to: (1) The use of diluents to achieve compliance with a relevant standard based on the concentration of a pollutant in the effluent discharged to the atmosphere; (2) the use of gaseous diluents to achieve compliance with a relevant standard for visible emissions. [40 CFR 63.4(b)]	None.	None.	None.
3	Fragmentation after November 15, 1990 which divides ownership of an operation, within the same facility among various owners where there is no real change in control, will not affect applicability. 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. [40 CFR 63.4(c)]	None.	None.	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
4	At all times, including periods of startup, shutdown, and malfunction, the owner or operator must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions, pursuant to 40 CFR 63.6(e)(1). [40 CFR 63.6(e)(1)(i)]	None.	None.	None.
5	Malfunctions must be corrected 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. [40 CFR 63.6(e)(1)(ii)]	None.	None.	None.

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
6	<p>The owner or operator of an affected source must develop a written startup, shutdown, and malfunction 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 startup, shutdown, and malfunction 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. The purpose of the startup, shutdown, and malfunction plan is to:(A) Ensure that, at all times, the owner or operator operates and maintains each affected source, including associated air pollution control and monitoring equipment, in a manner which satisfies the general duty to minimize emissions established by paragraph (e)(1)(i) of this section; (B) Ensure that owners or operators are prepared to correct malfunctions as soon as practicable after their occurrence in order to minimize excess emissions of hazardous air pollutants; and (C) Reduce the reporting burden associated with periods of startup, shutdown, and malfunction (including corrective action taken to restore malfunctioning process and air pollution control equipment to its normal or usual manner of operation). [40 CFR 63.6(e)(3)(i)]</p>	<p>Other: The owner or operator shall adhere to the startup, shutdown, and malfunction plan.[40 CFR 63.6(e)(i)].</p>	<p>Other: The owner or operator shall keep records of all information necessary to demonstrate conformance with the startup, shutdown, and malfunction plan when all actions taken during periods of startup, shutdown, and malfunction (including corrective action) are consistent with the procedures specified in the plan.[40 CFR 63.10(b)(2)(v)].</p>	<p>Submit a report: Semi-annually on January 31 and July 31 of each year. The owner or operator shall submit a startup, shutdown and malfunction report pursuant to 40 CF 63.10(d)(5)(i). [40 CFR 63.10(d)(5)(i)]</p>

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Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	When actions taken by the owner or operator during a startup or shutdown (and the startup or shutdown causes the source to exceed any applicable emission limitation in the relevant emission standards), or malfunction (including actions taken to correct a malfunction) are consistent with the procedures specified in the affected source's startup, shutdown, and malfunction plan, the owner or operator must keep records for that event which demonstrate that the procedures specified in the plan were followed, pursuant to 40 CFR 63.6(e)(3)(iii). [40 CFR 63.6(e)(3)(iii)]	Other: The owner or operator shall adhere to the startup, shutdown, and malfunction plan.[40 CFR 63.6(e)(1)].	Other: The owner or operator shall maintain records pursuant to 40 CFR 63.6(e)(3)(iii).[40 CFR 63.6(e)(3)(iii)].	Submit a report: As per the approved schedule. The owner or operator shall submit a startup, shutdown, and malfunction report semi annually pursuant to 40 CFR 63.6(e)(3)(iii) and 40 CFR 63.10(d)(5)(i). [40 CFR 63.10(d)(5)(i)]
8	If an action taken by the owner or operator during a startup, shutdown, or malfunction (including an action taken to correct a malfunction) is not consistent with the procedures specified in the affected source's startup, shutdown, and malfunction plan, and the source exceeds any applicable emission limitation in the relevant emission standard, then the owner or operator must record the actions taken for that event and must report such actions within 2 working days after commencing actions inconsistent with the plan, followed by a letter within 7 working days after the end of the event, in accordance with 40 CFR 63.10(d)(5) (unless the owner or operator makes alternative reporting arrangements, in advance, with the Administrator). [40 CFR 63.6(e)(3)(iv)]	Other: The owner or operator shall adhere to the startup, shutdown, and malfunction plan.[40 CFR 63.6(e)(3)(i)].	Other: The owner or operator shall keep records of actions taken during periods of startup, shutdown, and malfunction (including corrective action) when such actions are different from the procedures specified in the startup, shutdown, and malfunction plan.[40 CFR 63.10(b)(2)(iv)].	Submit a report: As per the approved schedule. Report either by telephone or facsimile within 2 working days after commencing action. Followed by a letter delivered or postmarked within 7 working days after the end of the event. This report shall explain the circumstances of the event, the reasons for not following the startup, shutdown, and malfunction plan, and whether any excess emissions and/or parameter monitoring exceedences are believed to have occurred. [40 CFR 63.10(d)(5)(ii)]

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
9	<p>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) of this section, the owner or operator must maintain at the affected source 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. If at any time after adoption of a startup, shutdown, and malfunction plan the affected source ceases operation or is otherwise no longer subject to the provisions of this part, the owner or operator must retain a copy of the most recent plan for 5 years from the date the source ceases operation or is no longer subject to this part and must make the plan available upon request for inspection and copying by the Administrator. [40 CFR 63.6(e)(3)(v)]</p>	None.	Other: The owner or operator shall maintain the startup, shutdown, and malfunction plan on site.[40 CFR 63.6(e)(3)(v)].	None.
10	<p>The owner or operator may periodically revise the startup, shutdown, and malfunction plan for the affected source as necessary, pursuant to 40 CFR 63.6(e)(3)(vii) [40 CFR 63.6(e)(3)(viii)]</p>	None.	None.	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
11	The non-opacity emission standards set forth in this part shall apply at all times except during periods of startup, shutdown, and malfunction, and as otherwise specified in an applicable subpart. If a startup, shutdown, or malfunction of one portion of an affected source does not affect the ability of particular emission points within other portions of the affected source to comply with the non-opacity emission standards set forth in this part, then that emission point must still be required to comply with the non-opacity emission standards and other applicable requirements. [40 CFR 63.6(f)]	None.	None.	None.
12	The opacity and visible emission standards set forth in this part must apply at all times except during periods of startup, shutdown, and malfunction, and as otherwise specified in an applicable subpart. If a startup, shutdown, or malfunction of one portion of an affected source does not affect the ability of particular emission points within other portions of the affected source to comply with the opacity and visible emission standards set forth in this part, then that emission point shall still be required to comply with the opacity and visible emission standards and other applicable requirements. [40 CFR 63.6(h)]	None.	None.	None.
13	The owner or operator shall conduct performance specification testing, pursuant to 40 CFR 63.7. [40 CFR 63.7(c)]	None.	None.	Obtain approval: Once initially. Submit no later than 60 days before the performance test. [40 CFR 63.7(c)(2)(i)]
14	The owner or operator of an affected source shall conduct monitoring as specified in the relevant standard, unless otherwise specified by the Administrator. [40 CFR 63.8(b)(1)]	None.	None.	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
15	<p>The owner or operator of an affected source that has an initial startup before the effective date of a relevant standard under this part shall notify the Administrator in writing that the source is subject to the relevant standard. The notification, which shall be submitted not later than 120 calendar days after the effective date of the relevant standard (or within 120 calendar days after the source becomes subject to the relevant standard), shall provide 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 the relevant standard, or other requirement, that is the basis of the notification and the source's compliance date; (iv) A brief description of the nature, size, design, and method of operation of the source and an identification of the types of emission points within the affected source subject to the relevant standard and types of hazardous air pollutants emitted; and (v) A statement of whether the affected source is a major source or an area source. <p>[40 CFR 63.9(b)(2)]</p>	None.	None.	Submit notification: Once initially. [40 CFR 63.9(b)(2)]

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
16	The owner or operator of an affected source shall notify the Administrator in writing of his or her intention to conduct a performance test at least 60 calendar days before the performance test is scheduled to begin to allow the Administrator to review and approve the site-specific test plan required under 40 CFR 63.7(c), if requested by the Administrator, and to have an observer present during the test. [40 CFR 63.9(e)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. 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)]	Submit notification: As per the approved schedule. The owner or operator shall submit notification at least 60 days prior to testing. [40 CFR 63.9(e)]
17	After a title V permit has been issued to the owner or operator of an affected source, 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 this part. 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. [40 CFR 63.9(h)(3)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. 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)]	Submit notification: As per the approved schedule. The required parts (as applicable) of the notification of compliance status report are as specified in 40 CFR 63.3400(d)). All parts of the notification of compliance status report should be submitted before the 60th day after the compliance date. [40 CFR 63.3400(d)]

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
18	<p>The owner or operator shall submit all reports required under 40 CFR 63 to NJDEP Regional Field Office.</p> <p>The owner or operator shall send a copy of each report submitted to NJDEP under 40 CFR 63 to Director, Air and Waste Management Division, USEPA Region 2. [40 CFR 63.10(a)(4)(ii)]</p>	None.	<p>Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. 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)]</p>	<p>Submit a report: As per the approved schedule. Submit reports as required by 40 CFR 63. [40 CFR 63.10(a)(4)(ii)]</p>
19	<p>The owner or operator of an affected source must limit organic HAP emissions to no more than 5 percent of the organic HAP applied for each month (95 percent reduction) at existing affected sources. [40 CFR 63.3320(b)(1)]</p>	<p>Other: The owner or operator shall follow the procedures at 40 CFR 63.3370(e) to determine compliance with 40 CFR 63.3320(b)(1). The owner or operator must show compliance by following the procedures in 40 CFR 63.3370 (k)(1). Use the applicable equations specified in 40 CFR 63.3370(k)(2) to convert the monitoring and other data into units of the selected compliance option in 40 CFR 63.3370(e) through (h). Compliance is determined in accordance with 40 CFR 63.3370(k)(3).[40 CFR 63.3370].</p>	<p>Other: Each owner or operator of an affected source subject to 40 CFR 63, Subpart JJJJ must maintain the records specified in 40 CFR 63.3410(a)(1) and (2) on a monthly basis in accordance with the requirements of 40 CFR 63.10(b)(1).[40 CFR 63.3410(a)].</p>	<p>Submit a report: As per the approved schedule. The owner or operator must submit a semiannual compliance report according to 40 CFR 63.3400(c)(1) and (2). [40 CFR 63.3400(c)]</p>

**New Jersey Department of Environmental Protection
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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
20	Sources that use a control device to comply with the emission standards must operate a continuous parameter monitoring system pursuant to 40 CFR 63.3350(e). [40 CFR 63.3350(a)(3)]	Monitored by continuous emission monitoring system at the approved frequency The owner or operator shall install, calibrate, maintain, and operate temperature monitoring equipment according to the manufacturer's specifications. using an oxidizer to comply with the emission standards, you must comply with 40 CFR 63.3350(e)(9)(i)through (iii). The calibration of the chart recorder, data logger, or temperature indicator must be verified every 3 months or the chart recorder, data logger, or temperature indicator must be replaced. You must replace the equipment whether you choose not to perform the calibration or the equipment cannot be calibrated properly. The device must have an accuracy of +/-1 percent of the temperature being monitored in degrees Celsius, or +/-1[deg] Celsius, whichever is greater. The thermocouple or temperature sensor must be installed in the combustion chamber at a location in the combustion zone. The continuous parameter monitoring system must be installed and operated as specified at 40 CFR 63.3370(e). [40 CFR 63.3350(e)(9)] and. [40 CFR 63.3350(e)]	Recordkeeping by strip chart or data acquisition (DAS) system continuously The owner or operator of an affected source subject to this subpart must maintain the records specified in 40 CFR 63.3410 (a)(1) and (2) of this section on a monthly basis in accordance with the requirements of 40 CFR 63.10(b)(1): Control device and capture system operating parameter data in accordance with the requirements of 40 CFR 63.3350(e), and (f). (2) Records specified in 40 CFR 63.10(c) for each CMS operated by the owner or operator in accordance with the requirements of 40 CFR 63.3350(b). [40 CFR 63.3410(a)]	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
21	Sources that use a control device to comply with the emission standards must monitor a capture system operating parameter pursuant to 40 CFR 63.3350(f). [40 CFR 63.3350(a)(4)]	<p>Other: The owner or operator you must develop a site-specific monitoring plan containing the following information for the capture systems.</p> <p>(1) The monitoring plan must:</p> <p>(i) Identify the operating parameter to be monitored to ensure that the capture efficiency determined during the initial compliance test is maintained; and</p> <p>(ii) Explain why this parameter is appropriate for demonstrating ongoing compliance; and</p> <p>(iii) Identify the specific monitoring procedures.</p> <p>(2) The monitoring plan must specify the operating parameter value or range of values that demonstrate compliance with the emission standards in 40 CFR 63.3320. The specified operating parameter value or range of values must represent the conditions present when the capture system is being properly operated and maintained. You must conduct all capture system monitoring in accordance with the plan. Any deviation from the operating parameter value or range of values which are monitored according to the plan will be considered a deviation from the operating limit. You must review and update the capture system monitoring plan at least annually. You must make the monitoring plan available for inspection by the permitting authority upon request.[40 CFR 63.3350(f)].</p>	<p>Other: Maintain readily accessible copies of the site specific monitoring plan. The facility must make the monitoring plan available for inspection by the permitting authority upon request.[40 CFR 63.3350(f)].</p>	None.

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Subject Item: GR3 NSPS - Subpart A, and NSPS - Subpart RR - Applicable to U1 and U7

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	All requests, reports, applications, submittals, and other communications to the Administrator pursuant to Part 60 shall be submitted in duplicate to the Regional Office of US Environmental Protection Agency. Submit information to: Director, Division of Enforcement & Compliance Assistance, US EPA, Region 2, 290 Broadway, New York, NY 10007-1866. [40 CFR 60.4(a)]	None.	None.	Submit documentation of compliance: As per the approved schedule Submit information to: Director, Division of Enforcement & Compliance Assistance, US EPA, Region 2, 290 Broadway, New York, NY 10007-1866. [40 CFR 60.4(a)]
2	Copies of all information submitted to EPA pursuant to 40 CFR Part 60, must also be submitted to the appropriate Regional Enforcement Office of NJDEP. [40 CFR 60.4(b)]	None.	None.	Submit documentation of compliance: As per the approved schedule to the appropriate Regional Enforcement Office of NJDEP as required by 40 CFR 60. [40 CFR 60.4(b)]
3	The owner or operator subject to the provisions of 40 CFR Part 60 shall furnish the Administrator written notification or, if acceptable to both the Administrator and the owner or operator of a source, electronic notification, of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless that change is specifically exempted under an applicable subpart or in 40 CFR 60.14(e). The notification shall include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of facility before and after the change and the expected completion date of the change. Notification shall be postmarked within 60 days or as soon as practicable before any change is commenced. The Administrator may request additional relevant information subsequent to this notice. [40 CFR 60.7(a)(4)]	None.	None.	Submit notification: Upon occurrence of event to EPA Region 2 and the appropriate Regional Enforcement Office of NJDEP as required by 40 CFR 60.7 [40 CFR 60.7(a)(4)]

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
4	The owner or operator shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility, any malfunction of air pollution control equipment or any periods during which continuous monitoring system or monitoring device is inoperative. [40 CFR 60.7(b)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The records should be kept in a permanent form suitable for inspections. [40 CFR 60.7(b)]	Submit a report: Semi-annually beginning on the 30th day of the 6th month following initial performance tests. The report shall contain the information required in 40 CFR 60.7(b) and be postmarked by the 30th day following the end of each six-month period. The report shall be submitted to the EPA Region 2 Administrator and the appropriate Regional Enforcement Office of NJDEP and be in the format specified at 40 CFR Part 60.7(c) and 40 CFR Part 60.7(d). [40 CFR 60.7(c)]
5	Each owner or operator required to install a continuous monitoring device shall submit an excess emissions and monitoring systems performance report (excess emissions are defined in applicable subparts) and/or a summary report form (see section 60.7(d)) to the Administrator semiannually, except when: more frequent reporting is specifically required by an applicable subpart; or the Administrator, on a case-by-case basis, determines that more frequent reporting is necessary to accurately assess the compliance status of the source. All reports shall be postmarked by the 30th day following the end of each six-month period. The summary report form shall contain the information and be in the format shown in figure 1 unless otherwise specified by the Administrator. One summary report form shall be submitted for each pollutant monitored at each affected facility. [40 CFR 60.7(c)] and [40 CFR 60.7(d)]	None.	Other: Written reports of excess emissions shall include the following information: (1) The magnitude of excess emissions computed in accordance with section 60.13(h), any conversion factor(s) used, and the date and time of commencement and completion of each time period and excess emissions. The process operating time during the reporting period. (2) Specific identification of each period of excess emissions that occurs during startups, shutdowns, and malfunctions of the affected facility. The nature and cause of any malfunction (if known), the corrective action taken or preventative measures adopted. (3) The date and time identifying each period during which the continuous monitoring system was inoperative except for zero and span checks and the nature of the system repairs or adjustments. (4) When no excess emissions have occurred or the continuous monitoring system(s) have not been inoperative, repaired, or adjusted, such information shall be stated in the report.[40 CFR 60.7(c)].	Submit a report: Semi-annually beginning on the 30th day of the 6th month following initial performance tests. The report shall be postmarked by the 30th day following the end of each six-month period. The report shall be submitted to the EPA Region 2 Administrator and the appropriate Regional Enforcement Office of NJDEP and be in the format specified at 40 CFR 60.7(c) and 40 CFR 60.7(d). [40 CFR 60.7(c)]

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
6	The owner or operator shall maintain a file, suitable for inspection, of all monitoring measurements as indicated in Recordkeeping Requirement column. [40 CFR 60.7(f)]	None.	Other: The file shall include all measurements (including continuous monitoring system, monitoring device, and performance testing measurements), all continuous monitoring system performance evaluations, all continuous monitoring system or monitoring device calibration checks, all adjustments/maintenance performed on these systems or devices, and all other information required by 40 CFR Part 60 recorded in a permanent form suitable for inspection. The file shall be retained for at least two years following the dates of the record, except as prescribed in 40 CFR 60.7(f)(1) through (3). Sources subject to 40 CFR 70, are required to retain records of all required monitoring data and support information for a period of at least 5 years from the date of the monitoring sample, measurement, report, or application, per 40 CFR 70.6(a)(3)(ii)(B). [40 CFR 60.7(f)].	None.
7	Unless otherwise specified in the applicable subpart, each performance test shall consist of three separate runs using the applicable test method. [40 CFR 60.8(f)]	None.	None.	None.
8	VOC (Total) \geq 90 % reduction , including during start up and shutdown [40 CFR 60.443(j)] and. [40 CFR 60.442(a)(2)(i)]	VOC (Total): Monitored by weighted average VOC content calculations each month during operation, based on a 1 month average. Calculate the monthly VOC emission reduction according to equation specified in 40 CFR 60.443(b). Compare the monthly VOC emission reduction to the overall VOC emission reduction demonstrated in the most recent performance test which complied with 40 CFR 60.442(a)(2). The monthly required overall VOC emission reduction must be less than or equal to the overall VOC reduction of the most recent performance test. [40 CFR 60.443(b)] and. [40 CFR 60.443(d)]	VOC (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. Records of the measurements required in [40 CFR 60.443(b)], [40 CFR 60.443(d)] and [40 CFR 60.445(g)] must be retained for at least two years following the date of the measurements. [40 CFR 60.445(g)] and. [40 CFR 60.445(h)]	Submit notification: Every quarter (three months) beginning on the first of the month of the first full quarter following the effective date of the approved permit. Quarters shall begin on January 1, April 1, July 1, and October 1 of each year. The owner or operator shall submit quarterly reports to the Administrator of exceedances of the VOC emission limits specified in 40 CFR 60.442. If no such exceedances occur, a report stating this shall be submitted to the Administrator semi-annually. [40 CFR 60.447(b)]

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
9	Temperature: The owner or operator shall continuously record the destruction device combustion temperature during coating operations, all 3-hour periods (during actual coating operations) during which the average temperature of the device is more than 50 degrees F below the temperature of the device during the most recent performance test complying with 40 CFR Part 60.442(a)(2). [40 CFR 60.443(e)]	Temperature: Monitored by temperature instrument continuously. The monitoring device shall have an accuracy of the greater of ± 0.75 percent of the temperature being measured expressed in degrees Celsius or ± 2.5 °C. [40 CFR 60.445(e)]	Temperature: Recordkeeping by data acquisition system (DAS) / electronic data storage continuously. Records of the measurements required in 40 CFR 60.443(e) and 40 CFR 60.445(e) must be retained for at least two years following the date of the measurements. [40 CFR 60.445(e)] and. [40 CFR 60.445(h)]	Submit notification: Upon occurrence of event. The owner or operator shall report to the Administrator all instances when the incinerator temperature drops as specified under 40 CFR 60.443(e), and if no such periods occur, the owner or operator shall state this in a report semiannually. Each affected facility shall also submit reports at the frequency specified in 40 CFR 60.7(c) when the incinerator temperature drops as defined under [40 CFR 60.443(e)]. [40 CFR 60.447(c)]
10	After the initial performance test required under 40 CFR 60.8, compliance with the VOC percentage reduction requirements under 40 CFR 60.442 is based on the average emission reduction for one calendar month. A separate compliance test is completed at the end of each calendar month after the initial performance test, and a new calendar month's average VOC emission reduction is calculated to show compliance with the standard. [40 CFR 60.443(f)]	Monitored by weighted average VOC content calculations each month during operation, based on a 1 month average. Calculations shall follow the procedures specified at 40 CFR 60.444(c). [40 CFR 60.444(c)(4)]	Other: Records of the measurements required in [40 CFR 60.443(b)], [40 CFR 60.443(d)] and [40 CFR 60.445(g)] must be retained for at least two years following the date of the measurements. [40 CFR 60.445(g)] and [40 CFR 60.445(h)].	None.
11	The performance of the control device is assumed to be equal for the affected facilities. Compliance with 40 CFR 60.442(a)(2) is determined by the methods specified in 40 CFR 60.443(d) and is performed simultaneously on affected facilities. [40 CFR 60.443(b)], [40 CFR 60.443(d)] and [40 CFR 60.443(g)]	None.	Other: Records of the measurements required in [40 CFR 60.443(b)], [40 CFR 60.443(d)] and 60.445(g) must be retained for at least two years following the date of the measurements. [40 CFR 60.445(g)] and [40 CFR 60.445(h)].	None.
12	The owner or operator of an affected facility controlled by a solvent destruction device which uses a hood or enclosure to capture fugitive VOC emissions shall install, calibrate, maintain, and operate a monitoring device which continuously indicates that the hood or enclosure is operating. [40 CFR 60.444(c)(4)(ii)] and [40 CFR 60.445(g)]	Monitored by pressure measurement device continuously or demonstrate that the hood or enclosure system is interlocked with the affected facility's oven recirculation air system. No continuous monitor shall be required if the owner or operator can demonstrate that the hood or enclosure system is interlocked with the affected facility's oven recirculation air system. [40 CFR 60.445(g)]	None.	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
13	Method 25 shall be used to determine the VOC concentration, in parts per million by volume, of each effluent gas stream entering and exiting the solvent destruction device or its equivalent, and each effluent gas stream emitted directly to the atmosphere. Methods 1, 2, 3, and 4 shall be used to determine the sampling location, volumetric flowrate, molecular weight, and moisture of all sampled gas streams. For Method 25, the sampling time for each of three runs must be at least 1 hour. The minimum sampling volume must be 0.003 dscm except that shorter sampling times or smaller volumes, when necessitated by process variables or other factors, may be approved by the Administrator. [40 CFR 60.446(b)]	None.	None.	None.

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Emission Unit: U1 Coating Operations Subj to NSPS Subpart A, NSPS Subpart RR & MACT Subpart A, MACT Subpart JJJJ (Machines #1, #3, #5 and Lab Coater w/ ovens), Controll

Operating Scenario: OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	FEDERAL RULE SUMMARY REQUIREMENTS - NSPS Subpart A and Subpart RR - STANDARDS OF PERFORMANCE FOR PRESSURE SENSITIVE TAPE AND LABEL SURFACE COATING OPERATION at GR3. MACT Subpart A and Subpart JJJJ—NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS: PAPER AND OTHER WEB COATING at GR2. [None]	None.	None.	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
2	<p>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 emission limits for VOC, CO, and VOC capture, and destruction efficiency as specified in the compliance plans for OS0, OS1, OS2, OS4, OS5, OS7, OS11, OS17, and OS18.</p> <p>Testing must be conducted at worst-case permitted operating conditions with regard to meeting the applicable emission standards, but without creating an unsafe condition.</p> <p>The permittee may propose, in the stack test protocol, to use CEMS data to satisfy the stack testing requirements, for NOx and/or CO, with EMS approval. In order for EMS to approve using CEMS data at the time of the stack test, the CEMS must be certified and be in compliance with all daily, quarterly and annual quality assurance requirements. The CEMS shall monitor and record emissions in units identical to those required by the applicable stack testing conditions of this permit. CEMS data, if allowed by this permit, shall be taken at the same worst-case conditions as described above. [N.J.A.C. 7:27-22.16(a)]</p>	<p>Other: Monitoring as required under the applicable operating scenario(s).</p> <p>The stack test results for VOCs shall be prorated to show compliance with emissions from applicable operating scenarios based on coating usage, and VOC content of coating(s) during the stack test.[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: http://www.epa.gov/ttnchie1/ert. 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>
3	<p>Opacity <= 20 % , exclusive of condensed water vapor, except for 3 minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-6.2(d)] and [N.J.A.C. 7:27- 6.2(e)]</p>	None.	None.	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
4	No Visible Emissions, exclusive of condensed water vapor, except for no more than 3 minutes in any consecutive 30-minute period. Applicable to PT110 only. [N.J.A.C. 7:27-22.16(a)]	Monitored by visual determination each month during operation. Conduct visual opacity inspections during daylight hours to identify if the stack has visible emissions, other than condensed water vapor. Select an observation position enabling clear view of emission point(s), minimum 15 feet away without sunlight shining directly into the eyes. Observe for a minimum duration of 30 minutes. Clock observation with two stopwatches starting the 1st watch at the commencement of the 30-minute observation period and starting and stopping the 2nd watch every time visible emissions are first seen and when they cease, and record the observation. If visible emissions are observed for more than 3 minutes in the 30-consecutive minutes: (1) Verify the equipment and/or control device causing visible emissions is operating according to manufacturer's specifications. If it is not operating properly, take corrective action immediately to eliminate the excess emissions. (2) If the opacity problem is not corrected within 24 hours, perform a check via a certified opacity reader, in accordance with N.J.A.C. 7:27B-2. Conduct such test each day until the opacity problem is successfully corrected. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. Record and retain the following: (1) Date and time of inspection; (2) Emission Point number; (3) Operational status of equipment; (4) Observed results and conclusions; (5) Description of corrective action taken if needed; (6) Date and time opacity problem was solved, if applicable; (7) N.J.A.C. 7:27B-2 results if conducted; and (8) Name of person(s) conducting inspection. [N.J.A.C. 7:27-22.16(o)]	None.
5	VOC Destruction and Capture Efficiency >= 90 % capture and % DRE by weight of the VOC emissions from the source operation and prevent from being discharged into the outdoor atmosphere at least 90 percent by weight of the VOC captured. [N.J.A.C. 7:27-16.17(q)]	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. See stack test details at STACK TESTING SUMMARY in the OS Summary. [N.J.A.C. 7:27-22.16(o)]	VOC Destruction and Capture Efficiency: Recordkeeping by stack test results prior to permit expiration date. See stack test details at STACK TESTING SUMMARY in the 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 stack test details at STACK TESTING SUMMARY in the OS Summary. [N.J.A.C. 7:27-22.16(o)]

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
6	100 % Capture Efficiency of the sources (Coater/Laminators #1, 3, 5 & Lab Coater - OS1, OS2, OS4, OS5, OS7, OS11, OS17, and OS18) emissions (including fugitives). [N.J.A.C. 7:27-22.16(a)]	Monitored by stack emission testing prior to permit expiration date. Demonstrate capture efficiency via EPA Method 204 during stack test. Observe magnehelic gauge to demonstrate the enclosure is under negative pressure and the emission collection system is functioning properly. . See stack test details at STACK TESTING SUMMARY in the OS Summary. [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. Record observations of negative pressure. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See stack test details at STACK TESTING SUMMARY in the OS Summary. [N.J.A.C. 7:27-22.16(o)]
7	Design VOC Control Efficiency \geq 99 % by weight. Thermal oxidizer design efficiency. [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep manufacturing design parameters standards.[N.J.A.C. 7:27-22.16(o)].	None.
8	VOC Destruction and Capture Efficiency \geq 95 % by weight. The owner and operator shall demonstrate that the installed thermal oxidizer operates at this VOC destruction and removal efficiency (DRE). [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. See stack test details at STACK TESTING SUMMARY in the OS Summary. [N.J.A.C. 7:27-22.16(o)]	VOC Destruction and Capture Efficiency: Recordkeeping by stack test results prior to permit expiration date. See stack test details at STACK TESTING SUMMARY in the 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 stack test details at STACK TESTING SUMMARY in the OS Summary. [N.J.A.C. 7:27-22.16(o)]
9	Temperature \geq 1,500 degrees F minimum inside the thermal oxidizer combustion chamber prior to start-up of the source operation(s). Thermal oxidizer shall not be shut down until all air contaminants have been purged from the coating machines' common venting manifold and from the connecting duct to the thermal oxidizer after source operation(s) ceases. [N.J.A.C. 7:27-22.16(e)]	Temperature: Monitored by temperature instrument continuously, based on 1 minute intervals. The monitoring device shall have an accuracy of the greater of + or - 0.75 percent of the temperature being measured expressed in degrees Celsius or + or - 2.5 deg C. The temperature monitor instrument shall include an alarm. 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 the permitted operating temperature are detected. [40 CFR 60.445(e)] and. [N.J.A.C. 7:27-22.16(o)]	Temperature: Recordkeeping by data acquisition system (DAS) / electronic data storage continuously [40 CFR 60.443(e)] and. [N.J.A.C. 7:27-22.16(o)]	None.
10	Minimum Residence Time \geq 0.5 seconds. [N.J.A.C. 7:27-22.16(e)]	None.	Other: Maintain manufacturer's specifications.[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
11	CO <= 50 ppmvd. The maximum concentration to be allowed to emit from the thermal oxidizer, uncorrected to 14% oxygen (O2) concentration or greater in the flue gas. [N.J.A.C. 7:27-22.16(e)]	CO: Monitored by stack emission testing prior to permit expiration date, based on the average of three Department validated stack test runs. See stack test details at STACK TESTING SUMMARY in the OS Summary. [N.J.A.C. 7:27-22.16(o)]	CO: Recordkeeping by stack test results prior to permit expiration date. See stack test details at STACK TESTING SUMMARY in the 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 stack test details at STACK TESTING SUMMARY in the OS Summary. [N.J.A.C. 7:27-22.16(o)]
12	CO <= 50 ppmvd. The maximum concentration to be allowed to emit from the thermal oxidizer, uncorrected to 14% oxygen (O2) concentration or greater in the flue gas. [N.J.A.C. 7:27-22.16(e)]	CO: Monitored by continuous emission monitoring system continuously, based on a 3 hour rolling average 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 an Excess Emissions and Monitoring Systems Performance Report (EEMPR): 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, for review and approval. Quarterly EEMPR reports shall include all quarterly and annual QA data. This report shall be submitted whether or not an emission exceedance has occurred. See CEMS and QA/QC requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]
13	CO <= 3.26 lb/hr. [N.J.A.C. 7:27-22.16(a)]	CO: Monitored by stack emission testing prior to permit expiration date, based on the average of three Department validated stack test runs. See stack test details at STACK TESTING SUMMARY in the OS Summary. [N.J.A.C. 7:27-22.16(o)]	CO: Recordkeeping by stack test results prior to permit expiration date. See stack test details at STACK TESTING SUMMARY in the 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 stack test details at STACK TESTING SUMMARY in the OS Summary. [N.J.A.C. 7:27-22.16(o)]
14	NOx (Total) <= 1.14 lb/hr. Maximum hourly emissions, based on maximum gross heat input of the combustion sources (Dryers E102, E104, E116 and RTO CD102) combined. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
15	<p>CEMS/COMS REQUIREMENTS SUMMARY</p> <p>The Permittee shall operate CEMS according to the approved certification and in compliance with daily, quarterly, and annual quality assurance requirements. The CEMS shall include continuous monitoring of all necessary parameters (e.g. oxygen, moisture, temperature, flow rate) to allow the required corrections to be applied to demonstrate compliance with the emission limits.</p> <p>The Permittee shall request approval from the Department's Emission Measurement Section (EMS) to allow continued use of the existing CEMS when a change to the units of measurement is made to a permit limit. [N.J.A.C. 7:27-22.16(a)]</p>	None.	Other: Maintain readily accessible records of the Permittee's written request to EMS, and the response from EMS. [N.J.A.C. 7:27-22.16(o)].	Comply with the requirement: Upon occurrence of event. Submit a written request to the EMS within 30 days from the date of the approved operating permit to determine whether a full CEMS recertification is required, whether the change can follow the procedures for data recording and storage equipment upgrades found in the Department's Technical Manual 1005 Section IV.B.3(f), or if continued use of the existing CEMS is allowed. [N.J.A.C. 7:27-22]
16	<p>The owner or operator shall develop a QA/QC plan for each 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)]</p>	Other: The QA/QC coordinator shall be responsible for reviewing the QA/QC plan on an annual basis. [N.J.A.C. 7:27-22.16(o)].	Other: Maintain readily accessible records of the QA/QC plan including QA data and quarterly reports. [N.J.A.C. 7:27-22.16(o)].	None.
17	NOx (Total) <= 5 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
18	CO <= 14.26 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
19	TSP <= 0.38 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
20	PM-10 (Total) <= 0.38 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
21	PM-2.5 (Total) <= 0.38 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
22	VOC (Total) <= 35.4 tons/yr for all the operation scenarios (OS1, OS2, OS4, OS5, OS7, OS11, OS17, and OS18) VOC(Total) <= 21.6 t/yr from OS17 and OS18 combined. [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). Calculations shall be based on amount and VOC content of each coating used for the month and capture and destruction efficiency. [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Recordkeeping by production records each month during operation Record the total amount of solvent based coating material used for any 12 consecutive months, computed by adding the solvent based coating material consumed in a given month to that consumed in the preceding 11 months. Record and maintain the following information: i. Amount and VOCs content of each coating applied during the month for each coater/oven combination and total for the emission unit. ii. Formulation sheets and/or material safety data sheets showing VOC content of each coating applied during the month. iii. Monthly and 12-consecutive month total emissions. iv. Emissions calculations. [N.J.A.C. 7:27-22.16(o)]	None.
23	VOC (Total) <= 31.8 lb/hr combined from all coaters and dryers in U1. [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by stack emission testing prior to permit expiration date, based on the average of three Department validated stack test runs. See stack test details at STACK TESTING SUMMARY in the OS Summary. [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Recordkeeping by stack test results prior to permit expiration date. See stack test details at STACK TESTING SUMMARY in the 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 stack test details at STACK TESTING SUMMARY in the OS Summary. [N.J.A.C. 7:27-22.16(o)]
24	VOC (Total) <= 31.8 lb/hr combined from all coaters and dryers in U1. [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by calculations daily during operation, based on amount and VOC content of each coating applied, amount of substrate used (weight and area), line speed, 20% VOC evaporation rate for the coater, 80% VOC evaporation rate for the dryer, capture and destruction efficiency and any other production information deemed necessary. [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 daily during operation. Record and maintain the following information: i. Amount and VOC content of each coating applied for the day. ii. Formulation sheets and/or material safety data sheets showing VOC content of each coating applied. iii. Production records including but not limited to amount of substrate used, line speed etc. iv. Daily calculations of emissions . [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
25	HAPs (Total) <= 35.4 tons/yr. All HAPs are VOCs. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by complying with VOC emissions.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain VOC emission records for compliance.[N.J.A.C. 7:27-22.16(o)].	None.
26	Glycol ethers <= 21 tons/yr. [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). Calculations shall be based on amount and HAP content of each coating used for the month and capture and destruction efficiency. [N.J.A.C. 7:27-22.16(o)]	Glycol ethers: Recordkeeping by production records each month during operation. Record the total amount of solvent based coating material used for any 12 consecutive months, computed by adding the solvent based coating material consumed in a given month to that consumed in the preceding 11 months. Record and maintain the following information: i. Amount and HAPs content of each coating applied during the month for each coater/oven combination and total for the emission unit. ii. Formulation sheets and/or material safety data sheets showing VOC and HAP content of each coating applied during the month. iii. Monthly and 12-consecutive month total emissions. iv. Emissions calculations. [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
27	Hexane (n-) <= 35 tons/yr. [N.J.A.C. 7:27-22.16(a)]	Hexane (n-): Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). Calculations shall be based on amount and HAP content of each coating used for the month and capture and destruction efficiency. [N.J.A.C. 7:27-22.16(o)]	Hexane (n-): Recordkeeping by production records each month during operation. Record the total amount of solvent based coating material used for any 12 consecutive months, computed by adding the solvent based coating material consumed in a given month to that consumed in the preceding 11 months. Record and maintain the following information: i. Amount and HAPs content of each coating applied during the month for each coater/oven combination and total for the emission unit. ii. Formulation sheets and/or material safety data sheets showing VOC and HAP content of each coating applied during the month. iii. Monthly and 12-consecutive month total emissions. iv. Emissions calculations. [N.J.A.C. 7:27-22.16(o)]	None.
28	Methyl alcohol (Methanol) <= 35.4 tons/yr. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by complying with VOC emissions.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain VOC emission records for compliance.[N.J.A.C. 7:27-22.16(o)].	None.
29	Methyl isobutyl ketone (MIBK) <= 35.4 tons/yr. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by complying with VOC emissions.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain VOC emission records for compliance.[N.J.A.C. 7:27-22.16(o)].	None.
30	Toluene <= 35.4 tons/yr. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by complying with VOC emissions.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain VOC emission records for compliance.[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
31	Xylene <= 5 tons/yr. [N.J.A.C. 7:27-22.16(a)]	Xylene: Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). Calculations shall be based on amount and HAP content of each coating used for the month and capture and destruction efficiency. [N.J.A.C. 7:27-22.16(o)]	Xylene: Recordkeeping by production records each month during operation. Record the total amount of solvent based coating material used for any 12 consecutive months, computed by adding the solvent based coating material consumed in a given month to that consumed in the preceding 11 months. Record and maintain the following information: i. Amount and HAPs content of each coating applied during the month for each coater/oven combination and total for the emission unit. ii. Formulation sheets and/or material safety data sheets showing VOC and HAP content of each coating applied during the month. iii. Monthly and 12-consecutive month total emissions. iv. Emissions calculations. [N.J.A.C. 7:27-22.16(o)]	None.
32	Methane <= 0.03 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
33	Ozone <= 1.04 tons/yr. Maximum annual emission limit for (3) Corona Treaters #1-E109, #2 - E110, #3 - E111, at OS12, OS13, and OS14 combined. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
34	Coating Usage <= 396,108 gal/yr. Total allowable annual water-based coating material usage combined for the coating and drying process at (OS6, OS8, OS19, and OS20). [N.J.A.C. 7:27-22.16(a)]	Other: Maintain calculations of production records.[N.J.A.C. 7:27-22.16(o)].	Coating Usage: Recordkeeping by production records each month during operation. Maintain production records of water-based coating material used. [N.J.A.C. 7:27-22.16(o)]	None.

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
35	Coating Usage <= 289,600 gal/yr. Total allowable annual solvent-based coating material usage combined for all coating and drying process at (OS1 and OS5, OS2 and OS7, OS4 and OS11, OS17 and OS18). [N.J.A.C. 7:27-22.16(a)]	Coating Usage: Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis) the amount of solvent-based surface coating used while operating the coaters at OS1 -#1-E101, OS2 - #3-E103, OS17 - #5-E115, and Lab Coater OS7 - E107. [N.J.A.C. 7:27-22.16(o)]	Coating Usage: Recordkeeping by production records each month during operation. Record the amount of solvent based coating material usage combined for all coating and drying at (OS1 and OS5, OS2 and OS7, OS4 and OS11, OS17 and OS18) for any 12 consecutive months, computed by adding the solvent based coating material consumed in a given month to that consumed in the preceding 11 months, based on production records. [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 Coating Operations Subj to NSPS Subpart A, NSPS Subpart RR & MACT Subpart A, MACT Subpart JJJJ (Machines #1, #3, #5 and Lab Coater w/ ovens), Controll

Operating Scenario: OS1 Machine #1, E101, rotogravure coating. Emissions are controlled by the oxidizer (CD102)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.5 lb/hr. Maximum Allowable Emission Rate (lbs. per hr.) Based on 0.02 grains per SCF. . [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
2	VOC (Total) <= 0.75 lb/hr . [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by stack emission testing prior to permit expiration date, based on the average of three Department validated stack test runs. See stack test details at STACK TESTING SUMMARY in the OS Summary. [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Recordkeeping by stack test results upon occurrence of event. See stack test details at STACK TESTING SUMMARY in the 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 stack test details at STACK TESTING SUMMARY in the OS Summary. [N.J.A.C. 7:27-22.16(o)]
3	VOC (Total) <= 0.75 lb/hr. [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Monitored by calculations daily during operation, based on amount and VOC content of each coating applied, amount of substrate used (weight and area), line speed, 20% VOC evaporation rate, and 95% VOC capture and destruction efficiency and any other production information deemed necessary. [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 daily during operation. Record and maintain the following information: i. Amount and VOC content of each coating applied for the day. ii. Formulation sheets and/or material safety data sheets showing VOC content of each coating applied. iii. Production records including but not limited to amount of substrate used, line speed etc. iv. Daily calculations of emissions . [N.J.A.C. 7:27-22.16(o)]	None.
4	TSP <= 0.05 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	HAPs (Total) <= 0.75 lb/hr. All HAPs are VOCs. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by complying with VOC emissions.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain VOC emission records for compliance.[N.J.A.C. 7:27-22.16(o)].	None.
6	Glycol ethers <= 0.75 lb/hr. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by complying with VOC emissions.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain VOC emission records for compliance.[N.J.A.C. 7:27-22.16(o)].	None.
7	Hexane (n-) <= 0.75 lb/hr. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by complying with VOC emissions.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain VOC emission records for compliance.[N.J.A.C. 7:27-22.16(o)].	None.
8	Methyl alcohol (Methanol) <= 0.75 lb/hr. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by complying with VOC emissions.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain VOC emission records for compliance.[N.J.A.C. 7:27-22.16(o)].	None.

U1 Coating Operations Subj to NSPS Subpart A, NSPS Subpart RR & MACT

OS1

BOP200001

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
9	Methyl isobutyl ketone (MIBK) <= 0.75 lb/hr. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by complying with VOC emissions.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain VOC emission records for compliance.[N.J.A.C. 7:27-22.16(o)].	None.
10	Toluene <= 0.75 lb/hr. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by complying with VOC emissions.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain VOC emission records for compliance.[N.J.A.C. 7:27-22.16(o)].	None.
11	Xylene <= 0.75 lb/hr. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by complying with VOC emissions.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain VOC emission records for compliance.[N.J.A.C. 7:27-22.16(o)].	None.
12	Total Production Rate <= 53,200 gal/yr Maximum surface coating usage (after thinning), Maximum solvent based coating usage, same amount of coating material in OS1, passes through OS5 for drying. [N.J.A.C. 7:27-22.16(a)]	Total Production Rate: Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). Calculations shall be based on amount of total coating used for the month. [N.J.A.C. 7:27-22.16(o)]	Total Production Rate: Recordkeeping by production records each month during operation. Record the amount of solvent based coating material used for any 12 consecutive months, computed by adding the solvent based coating material consumed in a given month to that consumed in the preceding 11 months. [N.J.A.C. 7:27-22.16(o)]	None.

BOP200001

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

Emission Unit: U1 Coating Operations Subj to NSPS Subpart A, NSPS Subpart RR & MACT Subpart A, MACT Subpart JJJJ (Machines #1, #3, #5 and Lab Coater w/ ovens), Controll

Operating Scenario: OS2 Machine #3, E103, rotogravure coating with a one zone drying oven. Emissions are controlled by the oxidizer (CD102)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.5 lb/hr. Maximum Allowable Emission Rate (lbs. per hr.) Based on 0.02 grains per SCF. [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
2	VOC (Total) <= 0.56 lb/hr . [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by stack emission testing prior to permit expiration date, based on the average of three Department validated stack test runs. See stack test details at STACK TESTING SUMMARY in the OS Summary. [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Recordkeeping by stack test results upon occurrence of event. See stack test details at STACK TESTING SUMMARY in the 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 stack test details at STACK TESTING SUMMARY in the OS Summary. [N.J.A.C. 7:27-22.16(o)]
3	VOC (Total) <= 0.56 lb/hr. [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by calculations daily during operation, based on amount and VOC content of each coating applied, amount of substrate used (weight and area), line speed, 20% VOC evaporation rate, 95% VOC capture and destruction efficiency and any other production information deemed necessary. [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 daily during operation. Record and maintain the following information: i. Amount and VOC content of each coating applied for the day. ii. Formulation sheets and/or material safety data sheets showing VOC content of each coating applied. iii. Production records including but not limited to amount of substrate used, line speed etc. iv. Daily calculations of emissions. [N.J.A.C. 7:27-22.16(o)]	None.
4	TSP <= 0.05 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	HAPs (Total) <= 0.56 lb/hr. All HAPs are VOCs. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by complying with VOC emissions.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain VOC emission records for compliance.[N.J.A.C. 7:27-22.16(o)].	None.
6	Glycol ethers <= 0.56 lb/hr. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by complying with VOC emissions.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain VOC emission records for compliance.[N.J.A.C. 7:27-22.16(o)].	None.
7	Hexane (n-) <= 0.56 lb/hr. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by complying with VOC emissions.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain VOC emission records for compliance.[N.J.A.C. 7:27-22.16(o)].	None.
8	Methyl alcohol (Methanol) <= 0.56 lb/hr. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by complying with VOC emissions.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain VOC emission records for compliance.[N.J.A.C. 7:27-22.16(o)].	None.

U1 Coating Operations Subj to NSPS Subpart A, NSPS Subpart RR & MACT

OS2

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
9	Methyl isobutyl ketone (MIBK) <= 0.56 lb/hr. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by complying with VOC emissions.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain VOC emission records for compliance.[N.J.A.C. 7:27-22.16(o)].	None.
10	Toluene <= 0.56 lb/hr. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by complying with VOC emissions.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain VOC emission records for compliance.[N.J.A.C. 7:27-22.16(o)].	None.
11	Xylene <= 0.56 lb/hr. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by complying with VOC emissions.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain VOC emission records for compliance.[N.J.A.C. 7:27-22.16(o)].	None.
12	Total Production Rate <= 40,000 gal/yr. Maximum surface coating usage (after thinning), same amount of coating material in OS2, passes through OS7 for drying. [N.J.A.C. 7:27-22.16(a)]	Total Production Rate: Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). Calculations shall be based on amount of total coating used for the month. [N.J.A.C. 7:27-22.16(o)]	Total Production Rate: Recordkeeping by production records each month during operation. Record the amount of solvent based coating material used for any 12 consecutive months, computed by adding the solvent based coating material consumed in a given month to that consumed in the preceding 11 months. [N.J.A.C. 7:27-22.16(o)]	None.

BOP200001

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

Emission Unit: U1 Coating Operations Subj to NSPS Subpart A, NSPS Subpart RR & MACT Subpart A, MACT Subpart JJJJ (Machines #1, #3, #5 and Lab Coater w/ ovens), Controll

Operating Scenario: OS4 Lab Coater E107, either reverse roll or rotogravure coating head with oven. VOC from the coater and drying oven are directed to the oxidizer (CD102)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.5 lb/hr. Maximum Allowable Emission Rate (lbs. per hr.) Based on 0.02 grains per SCF. [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
2	VOC (Total) <= 0.12 lb/hr . [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by stack emission testing prior to permit expiration date, based on the average of three Department validated stack test runs. See stack test details at STACK TESTING SUMMARY in the OS Summary. [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Recordkeeping by stack test results upon occurrence of event. See stack test details at STACK TESTING SUMMARY in the 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 stack test details at STACK TESTING SUMMARY in the OS Summary. [N.J.A.C. 7:27-22.16(o)]
3	VOC (Total) <= 0.12 lb/hr. [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by calculations daily during operation, based on amount and VOC content of each coating applied, amount of substrate used (weight and area), line speed, 20% VOC evaporation rate, 95% VOC capture and destruction efficiency and any other production information deemed necessary. [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 daily during operation. Record and maintain the following information: i. Amount and VOC content of each coating applied for the day. ii. Formulation sheets and/or material safety data sheets showing VOC content of each coating applied. iii. Production records including but not limited to amount of substrate used, line speed etc. iv. Daily calculations of emissions. [N.J.A.C. 7:27-22.16(o)]	None.
4	TSP <= 0.05 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	HAPs (Total) <= 0.12 lb/hr. All HAPs are VOCs. [N.J.A.C. 7:27-22.16(a)]	Other: Maintain VOC emission records for compliance.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain VOC emission records for compliance.[N.J.A.C. 7:27-22.16(o)].	None.
6	Glycol ethers <= 0.12 lb/hr. [N.J.A.C. 7:27-22.16(a)]	Other: Maintain VOC emission records for compliance.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain VOC emission records for compliance.[N.J.A.C. 7:27-22.16(o)].	None.
7	Hexane (n-) <= 0.12 lb/hr. [N.J.A.C. 7:27-22.16(a)]	Other: Maintain VOC emission records for compliance.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain VOC emission records for compliance.[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
8	Methyl alcohol (Methanol) <= 0.12 lb/hr. [N.J.A.C. 7:27-22.16(a)]	Other: Maintain VOC emission records for compliance.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain VOC emission records for compliance.[N.J.A.C. 7:27-22.16(o)].	None.
9	Methyl isobutyl ketone (MIBK) <= 0.12 lb/hr. [N.J.A.C. 7:27-22.16(a)]	Other: Maintain VOC emission records for compliance.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain VOC emission records for compliance.[N.J.A.C. 7:27-22.16(o)].	None.
10	Toluene <= 0.12 lb/hr. [N.J.A.C. 7:27-22.16(a)]	Other: Maintain VOC emission records for compliance.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain VOC emission records for compliance.[N.J.A.C. 7:27-22.16(o)].	None.
11	Xylene <= 0.12 lb/hr. [N.J.A.C. 7:27-22.16(a)]	Other: Maintain VOC emission records for compliance.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain VOC emission records for compliance.[N.J.A.C. 7:27-22.16(o)].	None.
12	Total Production Rate <= 4,400 gal/yr. Maximum surface coating usage (after thinning), same amount of coating material in OS4, passes through OS11 for drying. [N.J.A.C. 7:27-22.16(a)]	Total Production Rate: Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). Calculations shall be based on amount of total coating used for the month. [N.J.A.C. 7:27-22.16(o)]	Total Production Rate: Recordkeeping by production records each month during operation. Record the amount of solvent based coating material used for any 12 consecutive months, computed by adding the solvent based coating material consumed in a given month to that consumed in the preceding 11 months. [N.J.A.C. 7:27-22.16(o)]	None.

BOP200001

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

Emission Unit: U1 Coating Operations Subj to NSPS Subpart A, NSPS Subpart RR & MACT Subpart A, MACT Subpart JJJJ (Machines #1, #3, #5 and Lab Coater w/ ovens), Controll

Operating Scenario: OS5 Machine #1, E102, one zone drying oven on serving coater E101. Emissions are controlled by the oxidizer (CD102)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.5 lb/hr. Maximum Allowable Emission Rate (lbs. per hr.) Based on 0.02 grains per SCF. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	VOC (Total) <= 2.99 lb/hr. [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by stack emission testing prior to permit expiration date, based on the average of three Department validated stack test runs. See stack test details at STACK TESTING SUMMARY in the OS Summary. [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Recordkeeping by stack test results upon occurrence of event. See stack test details at STACK TESTING SUMMARY in the 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 stack test details at STACK TESTING SUMMARY in the OS Summary. [N.J.A.C. 7:27-22.16(o)]
3	VOC (Total) <= 2.99 lb/hr. [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by calculations daily during operation. based on amount and VOC content of each coating applied, amount of substrate used (weight and area), line speed, 80% VOC evaporation rate for the dryer, and 95% VOC capture and destruction efficiency and any other production information deemed necessary. [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 daily during operation. Record and maintain the following information: i. Amount and VOC content of each coating applied for the day. ii. Formulation sheets and/or material safety data sheets showing VOC content of each coating applied. iii. Production records including but not limited to amount of substrate used, line speed etc. iv. Daily calculations of emissions. [N.J.A.C. 7:27-22.16(o)]	None.
4	TSP <= 0.05 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
5	HAPs (Total) <= 2.99 lb/hr. All HAPs are VOCs. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by complying with VOC emissions.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain VOC emission records for compliance.[N.J.A.C. 7:27-22.16(o)].	None.
6	Glycol ethers <= 2.99 lb/hr. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by complying with VOC emissions.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain VOC emission records for compliance.[N.J.A.C. 7:27-22.16(o)].	None.
7	Hexane (n-) <= 2.99 lb/hr. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by complying with VOC emissions.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain VOC emission records for compliance.[N.J.A.C. 7:27-22.16(o)].	None.
8	Methyl alcohol (Methanol) <= 2.99 lb/hr. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by complying with VOC emissions.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain VOC emission records for compliance.[N.J.A.C. 7:27-22.16(o)].	None.

U1 Coating Operations Subj to NSPS Subpart A, NSPS Subpart RR & MACT

OS5

BOP200001

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
9	Methyl isobutyl ketone (MIBK) <= 2.99 lb/hr. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by complying with VOC emissions.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain VOC emission records for compliance.[N.J.A.C. 7:27-22.16(o)].	None.
10	Toluene <= 2.99 lb/hr. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by complying with VOC emissions.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain VOC emission records for compliance.[N.J.A.C. 7:27-22.16(o)].	None.
11	Xylene <= 2.99 lb/hr. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by complying with VOC emissions.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain VOC emission records for compliance.[N.J.A.C. 7:27-22.16(o)].	None.
12	Temperature <= 450 degrees F. Maximum operating temperature of the Dryer (E102). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep manufacturing design records.[N.J.A.C. 7:27-22.16(o)].	None.
13	Maximum Gross Heat Input <= 0.117 MMBTU/hr (HHV). Dryer's fuel type limited to Natural Gas. [N.J.A.C. 7:27-22.16(a)]	None.	Other: Maintain readily accessible records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.

BOP200001

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

Emission Unit: U1 Coating Operations Subj to NSPS Subpart A, NSPS Subpart RR & MACT Subpart A, MACT Subpart JJJJ (Machines #1, #3, #5 and Lab Coater w/ ovens), Controll

Operating Scenario: OS6 Machine #1, rotogravure coating process exhausting through drying oven (E102) in stack by-pass mode

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.5 lb/hr. Maximum Allowable Emission Rate (lbs. per hr.) Based on 0.02 grains per SCF. [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
2	Opacity <= 20 %. Opacity greater than 20%, exclusive of condensed water vapor, shall not exceed a period of three 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	TSP <= 0.05 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
5	Maximum Gross Heat Input <= 0.117 MMBTU/hr (HHV). Dryer's fuel type limited to Natural Gas. [N.J.A.C. 7:27-22.16(a)]	None.	Other: Retain record of Fuel Burner Rated Capacity.[N.J.A.C. 7:27-22.16(o)].	None.

BOP200001

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

Emission Unit: U1 Coating Operations Subj to NSPS Subpart A, NSPS Subpart RR & MACT Subpart A, MACT Subpart JJJJ (Machines #1, #3, #5 and Lab Coater w/ ovens), Controll

Operating Scenario: OS7 Machine #3, E103, rotogravure coater with drying oven (E104) on. Emissions are controlled by the oxidizer (CD102)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.5 lb/hr. Maximum Allowable Emission Rate (lbs. per hr.) Based on 0.02 grains per SCF. [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
2	VOC (Total) <= 2.25 lb/hr. [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by stack emission testing prior to permit expiration date, based on the average of three Department validated stack test runs. See stack test details at STACK TESTING SUMMARY in the OS Summary. [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Recordkeeping by stack test results upon occurrence of event. See stack test details at STACK TESTING SUMMARY in the 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 stack test details at STACK TESTING SUMMARY in the OS Summary. [N.J.A.C. 7:27-22.16(o)]
3	VOC (Total) <= 2.25 lb/hr. [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by calculations daily during operation. based on amount and VOC content of each coating applied, amount of substrate used (weight and area), line speed, 80% VOC evaporation rate for the dryer, and 95% VOC capture and destruction efficiency and any other production information deemed necessary. [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 daily during operation. Record and maintain the following information: i. Amount and VOC content of each coating applied for the day. ii. Formulation sheets and/or material safety data sheets showing VOC content of each coating applied. iii. Production records including but not limited to amount of substrate used, line speed etc. iv. Daily calculations of emissions. [N.J.A.C. 7:27-22.16(o)]	None.
4	TSP <= 0.05 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
5	HAPs (Total) <= 2.25 lb/hr. All HAPs are VOCs. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by complying with VOC emissions.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain VOC emission records for compliance.[N.J.A.C. 7:27-22.16(o)].	None.
6	Glycol ethers <= 2.25 lb/hr. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by complying with VOC emissions.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain VOC emission records for compliance.[N.J.A.C. 7:27-22.16(o)].	None.
7	Hexane (n-) <= 2.25 lb/hr. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by complying with VOC emissions.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain VOC emission records for compliance.[N.J.A.C. 7:27-22.16(o)].	None.
8	Methyl alcohol (Methanol) <= 2.25 lb/hr. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by complying with VOC emissions.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain VOC emission records for compliance.[N.J.A.C. 7:27-22.16(o)].	None.

U1 Coating Operations Subj to NSPS Subpart A, NSPS Subpart RR & MACT

OS7

BOP200001

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
9	Methyl isobutyl ketone (MIBK) <= 2.25 lb/hr. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by complying with VOC emissions.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain VOC emission records for compliance.[N.J.A.C. 7:27-22.16(o)].	None.
10	Toluene <= 2.25 lb/hr. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by complying with VOC emissions.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain VOC emission records for compliance.[N.J.A.C. 7:27-22.16(o)].	None.
11	Xylene <= 2.25 lb/hr. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by complying with VOC emissions.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain VOC emission records for compliance.[N.J.A.C. 7:27-22.16(o)].	None.
12	Temperature <= 450 degrees F. Maximum operating temperature of the Dryer (E102). [N.J.A.C. 7:27-22.16(o)]	None.	Other: Keep manufacturer design records.[N.J.A.C. 7:27-22.16(o)].	None.
13	Maximum Gross Heat Input <= 0.335 MMBTU/hr (HHV). Dryer's fuel type limited to Natural Gas. [N.J.A.C. 7:27-22.16(a)]	None.	Other: Maintain readily accessible records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.

BOP200001

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

Emission Unit: U1 Coating Operations Subj to NSPS Subpart A, NSPS Subpart RR & MACT Subpart A, MACT Subpart JJJJ (Machines #1, #3, #5 and Lab Coater w/ ovens), Controll

Operating Scenario: OS8 Machine #3, E103, rotogravure coating process going through drying oven (E104) in stack by-pass mode

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.5 lb/hr. Maximum Allowable Emission Rate (lbs. per hr.) Based on 0.02 grains per SCF. [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
2	Opacity <= 20 %. Opacity greater than 20%, exclusive of condensed water vapor, shall not exceed a period of three 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	TSP <= 0.05 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
5	Maximum Gross Heat Input <= 0.335 MMBTU/hr (HHV) Dryer's fuel type limited to Natural Gas. [N.J.A.C. 7:27-22.16(a)]	None.	Other: Maintain readily accessible records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.

BOP200001

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

Emission Unit: U1 Coating Operations Subj to NSPS Subpart A, NSPS Subpart RR & MACT Subpart A, MACT Subpart JJJJ (Machines #1, #3, #5 and Lab Coater w/ ovens), Controll

Operating Scenario: OS11 Electric drying oven (E108) operating with Lab Coater, OS4, Emissions are controlled by the oxidizer (CD102)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.5 lb/hr. Maximum Allowable Emission Rate (lbs. per hr.) Based on 0.02 grains per SCF. [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
2	VOC (Total) <= 0.5 lb/hr. [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by stack emission testing prior to permit expiration date, based on the average of three Department validated stack test runs. See stack test details at STACK TESTING SUMMARY in the OS Summary. [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Recordkeeping by stack test results upon occurrence of event. See stack test details at STACK TESTING SUMMARY in the 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 stack test details at STACK TESTING SUMMARY in the OS Summary. [N.J.A.C. 7:27-22.16(o)]
3	VOC (Total) <= 0.5 lb/hr. [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by calculations daily during operation. based on amount and VOC content of each coating applied, amount of substrate used (weight and area), line speed, 80% VOC evaporation rate for the dryer, 95% VOC capture and destruction efficiency and any other production information deemed necessary. [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 daily during operation. Record and maintain the following information: i. Amount and VOC content of each coating applied for the day. ii. Formulation sheets and/or material safety data sheets showing VOC content of each coating applied. iii. Production records including but not limited to amount of substrate used, line speed etc. iv. Daily calculations of emissions. [N.J.A.C. 7:27-22.16(o)]	None.
4	TSP <= 0.05 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	HAPs (Total) <= 0.5 lb/hr. All HAPs are VOCs. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by complying with VOC emissions.[N.J.A.C. 7:27-22.16].	None.	None.
6	Glycol ethers <= 0.5 lb/hr. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by complying with VOC emissions.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain VOC emission records for compliance.[N.J.A.C. 7:27-22.16(o)].	None.
7	Hexane (n-) <= 0.5 lb/hr. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by complying with VOC emissions.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain VOC emission records for compliance.[N.J.A.C. 7:27-22.16(o)].	None.
8	Methyl alcohol (Methanol) <= 0.5 lb/hr. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by complying with VOC emissions.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain VOC emission records for compliance.[N.J.A.C. 7:27-22.16(o)].	None.

U1 Coating Operations Subj to NSPS Subpart A, NSPS Subpart RR & MACT

OS11

BOP200001

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
9	Methyl isobutyl ketone (MIBK) <= 0.5 lb/hr. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by complying with VOC emissions.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain VOC emission records for compliance.[N.J.A.C. 7:27-22.16(o)].	None.
10	Toluene <= 0.5 lb/hr. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by complying with VOC emissions.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain VOC emission records for compliance.[N.J.A.C. 7:27-22.16(o)].	None.
11	Xylene <= 0.5 lb/hr. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by complying with VOC emissions.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain VOC emission records for compliance.[N.J.A.C. 7:27-22.16(o)].	None.
12	Lab coater dryer limited to electrical power. [N.J.A.C. 7:27-22.16(e)]	None.	Other: Maintain manufacturing documentation at the site.[N.J.A.C. 7:27-22.16(o)].	None.
13	Temperature <= 450 degrees F. Maximum operating temperature of the Dryer (E108). [N.J.A.C. 7:27-22.16(o)]	None.	Other: Keep manufacturing design records.[N.J.A.C. 7:27-22.16(o)].	None.

BOP200001

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

Emission Unit: U1 Coating Operations Subj to NSPS Subpart A, NSPS Subpart RR & MACT Subpart A, MACT Subpart JJJJ (Machines #1, #3, #5 and Lab Coater w/ ovens), Controll

Operating Scenario: OS12 Corona Treating Unit #1 (E109), OS13 Corona Treating Unit #2 (E110)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.5 lb/hr. Maximum Allowable Emission Rate (lbs. per hr.) Based on 0.02 grains per SCF. [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
2	Ozone <= 0.1 lb/hr from this Corona Treater. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	TSP <= 0.05 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Raw material limited to paper, film and foil. [N.J.A.C. 7:27-22.16(e)]	None.	Recordkeeping by production records per change of material. Manually log raw material type in a logbook. [N.J.A.C. 7:27-22.16(o)]	None.
5	Total Hours of Operation <= 6,000 hr/yr of Corona Treater #1 (producing an electrostatic charge on the substrate to enhance surface adhesion). [N.J.A.C. 7:27-22.16(a)]	Other: The total hours of operation shall be monitored based on production records.[N.J.A.C. 7:27-22.16(o)].	Total Hours of Operation: Recordkeeping by production records each month during operation. Record the amount of time used, for any 12 consecutive months, computed by adding the hours operated in a given month to that operated in the 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**

Emission Unit: U1 Coating Operations Subj to NSPS Subpart A, NSPS Subpart RR & MACT Subpart A, MACT Subpart JJJJ (Machines #1, #3, #5 and Lab Coater w/ ovens), Controll

Operating Scenario: OS14 Corona Treating Unit #3 (E111)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.5 lb/hr limit based on 0.02 grains per SCF gas emitted from source operation. [N.J.A.C. 7:27-6.2(a)]	None.	None.	None.
2	The permittee shall not use the equipment in a manner that will cause visible emissions, exclusive of condensed water vapor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	Ozone <= 0.1 lb/hr from this Corona Treater. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
4	TSP <= 0.05 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	Raw material limited to paper, film and foil. [N.J.A.C. 7:27-22.16(e)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system per change of material. [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 Coating Operations Subj to NSPS Subpart A, NSPS Subpart RR & MACT Subpart A, MACT Subpart JJJJ (Machines #1, #3, #5 and Lab Coater w/ ovens), Controll

Operating Scenario: OS17 Solvent - based coatings Machine #5 (E115) reverse roll coating head, controlled by RTO (CD102)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.1 lb/hr. Maximum Allowable Emission Rate (lbs. per hr.) Based on 0.02 grains per SCF. [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
2	VOC (Total) <= 4.92 lb/hr. [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by stack emission testing prior to permit expiration date, based on the average of three Department validated stack test runs. See stack test details at STACK TESTING SUMMARY in the OS Summary. [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Recordkeeping by stack test results upon occurrence of event. See stack test details at STACK TESTING SUMMARY in the 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 stack test details at STACK TESTING SUMMARY in the OS Summary. [N.J.A.C. 7:27-22.16(o)]
3	VOC (Total) <= 4.92 lb/hr. [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by calculations daily during operation, based on amount and VOC content of each coating applied, amount of substrate used (weight and area), line speed, 20% VOC evaporation rate, capture and destruction efficiency and any other production information deemed necessary. [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Recordkeeping by production records daily during operation. Record and maintain the following information: i. Amount and VOC content of each coating applied for the day. ii. Formulation sheets and/or material safety data sheets showing VOC content of each coating applied. iii. Production records including but not limited to amount of substrate used, line speed etc. iv. Daily calculations of emissions. [N.J.A.C. 7:27-22.16(o)]	None.
4	TSP <= 0.05 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	HAPs (Total) <= 4.92 lb/hr. All HAPs are VOCs. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by complying with VOC emissions.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain VOC emission records for compliance.[N.J.A.C. 7:27-22.16(o)].	None.
6	Ethylene glycol <= 4.92 lb/hr. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by complying with VOC emissions.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain VOC emission records for compliance.[N.J.A.C. 7:27-22.16(o)].	None.
7	Hexane (n-) <= 4.92 lb/hr. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by complying with VOC emissions.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain VOC emission records for compliance.[N.J.A.C. 7:27-22.16(o)].	None.
8	Methyl alcohol (Methanol) <= 4.92 lb/hr. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by complying with VOC emissions.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain VOC emission records for compliance.[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
9	Methyl isobutyl ketone (MIBK) <= 1.66 lb/hr. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by complying with VOC emissions.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain VOC emission records for compliance.[N.J.A.C. 7:27-22.16(o)].	None.
10	Toluene <= 4.92 lb/hr. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by complying with VOC emissions.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain VOC emission records for compliance.[N.J.A.C. 7:27-22.16(o)].	None.
11	Xylene <= 4.92 lb/hr. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by complying with VOC emissions.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain VOC emission records for compliance.[N.J.A.C. 7:27-22.16(o)].	None.
12	Total Production Rate <= 192,000 gal/yr. Maximum surface coating usage (after thinning), same coating material in OS17, passes through OS18 for drying. [N.J.A.C. 7:27-22.16(a)]	Total Production Rate: Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). Calculations shall be based on amount of total coating used for the month. [N.J.A.C. 7:27-22.16(o)]	Total Production Rate: Recordkeeping by production records each month during operation. Record the amount of solvent based coating material used for any 12 consecutive months, computed by adding the solvent based coating material consumed in a given month to that consumed in the 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**

Emission Unit: U1 Coating Operations Subj to NSPS Subpart A, NSPS Subpart RR & MACT Subpart A, MACT Subpart JJJJ (Machines #1, #3, #5 and Lab Coater w/ ovens), Controll

Operating Scenario: OS18 Solvent - based coatings Machine #5 Drying Oven (E116) controlled by RTO (CD102)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.1 lb/hr. Maximum Allowable Emission Rate (lbs. per hr.) Based on 0.02 grains per SCF. [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
2	VOC (Total) <= 19.69 lb/hr. [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by stack emission testing prior to permit expiration date, based on the average of three Department validated stack test runs. See stack test details at STACK TESTING SUMMARY in the OS Summary. [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Recordkeeping by stack test results upon occurrence of event. See stack test details at STACK TESTING SUMMARY in the 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 stack test details at STACK TESTING SUMMARY in the OS Summary. [N.J.A.C. 7:27-22.16(o)]
3	VOC (Total) <= 19.69 lb/hr. [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by calculations daily during operation. based on amount and VOC content of each coating applied, amount of substrate used (weight and area), line speed, 80% VOC evaporation rate for the dryer, capture and destruction efficiency and any other production information deemed necessary. [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 daily during operation. Record and maintain the following information: i. Amount and VOC content of each coating applied for the day. ii. Formulation sheets and/or material safety data sheets showing VOC content of each coating applied. iii. Production records including but not limited to amount of substrate used, line speed etc. iv. Daily calculations of emissions. [N.J.A.C. 7:27-22.16(o)]	None.
4	NOx (Total) <= 0.81 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	CO <= 0.68 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	PM-10 (Total) <= 0.061 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	PM-2.5 (Total) <= 0.061 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	TSP <= 0.061 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
9	HAPs (Total) <= 19.69 lb/hr. All HAPs are VOCs. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by complying with VOC emissions.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain VOC emission records for compliance.[N.J.A.C. 7:27-22.16(o)].	None.
10	Ethylene glycol <= 19.69 lb/hr. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by complying with VOC emissions.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain VOC emission records for compliance.[N.J.A.C. 7:27-22.16(o)].	None.
11	Hexane (n-) <= 19.69 lb/hr. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by complying with VOC emissions.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain VOC emission records for compliance.[N.J.A.C. 7:27-22.16(o)].	None.
12	Methyl alcohol (Methanol) <= 19.69 lb/hr. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by complying with VOC emissions.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain VOC emission records for compliance.[N.J.A.C. 7:27-22.16(o)].	None.
13	Methyl isobutyl ketone (MIBK) <= 6.66 lb/hr. [N.J.A.C. 7:27-22.16(a)]	Methyl isobutyl ketone (MIBK): Monitored by calculations daily during operation. based on amount and HAP content of each coating applied, amount of substrate used (weight and area), line speed, 80% HAP evaporation rate for the dryer, capture and destruction efficiency and any other production information deemed necessary. [N.J.A.C. 7:27-22.16(o)]	Methyl isobutyl ketone (MIBK): Recordkeeping by manual logging of parameter or storing data in a computer data system daily during operation. Record and maintain the following information: i. Amount and HAP (Methyl Isobutyl ketone - MIBK) content of each coating applied for the day. ii. Formulation sheets and/or material safety data sheets showing VOC and HAP content of each coating applied. iii. Production records including but not limited to amount of substrate used, line speed etc. iv. Daily calculations of emissions. [N.J.A.C. 7:27-22.16(o)]	None.
14	Toluene <= 19.69 lb/hr. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by complying with VOC emissions.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain VOC emission records for compliance.[N.J.A.C. 7:27-22.16(o)].	None.
15	Xylene <= 19.69 lb/hr. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by complying with VOC emissions.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain VOC emission records for compliance.[N.J.A.C. 7:27-22.16(o)].	None.
16	Maximum Gross Heat Input <= 8.25 MMBTU/hr (HHV). Fuel type limited to Natural Gas. [N.J.A.C. 7:27-22.16(a)]	None.	Other: Maintain readily accessible 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 Coating Operations Subj to NSPS Subpart A, NSPS Subpart RR & MACT Subpart A, MACT Subpart JJJJ (Machines #1, #3, #5 and Lab Coater w/ ovens), Controll

Operating Scenario: OS19 Water-based coatings Machine #5 (E115) reverse roll coating head, in stack by-pass mode

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.16 lb/hr. Maximum Allowable Emission Rate (lbs. per hr.) Based on 0.02 grains per SCF. [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
2	No Visible Emissions, exclusive of condensed water vapor, except for no more than 3 minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	TSP <= 0.05 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	All HAPs emissions shall be below the reporting threshold limit pursuant to N.J.A.C. 7:27-17.9(b) Table 2. [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 Coating Operations Subj to NSPS Subpart A, NSPS Subpart RR & MACT Subpart A, MACT Subpart JJJJ (Machines #1, #3, #5 and Lab Coater w/ ovens), Controll

Operating Scenario: OS20 Water-based coatings Machine #5 Drying Oven (E116) in stack bypass mode

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.16 lb/hr. Maximum Allowable Emission Rate (lbs. per hr.) Based on 0.02 grains per SCF. [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
2	CO <= 0.68 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	NOx (Total) <= 0.81 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	PM-10 (Total) <= 0.061 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	PM-2.5 (Total) <= 0.061 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	TSP <= 0.061 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	All HAPs emissions shall be below the reporting threshold limit pursuant to N.J.A.C. 7:27-17.9(b) Table 2. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Maximum Gross Heat Input <= 8.25 MMBTU/hr (HHV) Coater No. 5. [N.J.A.C. 7:27-22.16(a)]	None.	Other: Maintain readily accessible 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 Coating Operations Subj to NSPS Subpart A, NSPS Subpart RR & MACT Subpart A, MACT Subpart JJJJ (Machines #1, #3, #5 and Lab Coater w/ ovens), Controll

Operating Scenario: OS21 Corona Treating Unit #5-1 - Primary Unwind, OS22 Corona Treating Unit #5-2 - Prelaminating Nip

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.5 lb/hr. Maximum Allowable Emission Rate (lbs. per hr.) Based on 0.02 grains per SCF. [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
2	TSP <= 0.05 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	Raw material limited to paper, film and foil. [N.J.A.C. 7:27-22.16(a)]	None.	Recordkeeping by production records per change of material. Manually log raw material type in a computer data system /logbook. [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 Corona Treater No. 4 Coater with UV Curing Lamp - OS3 VOC Coatings Subj to NSPS Subpart A, and NSPS Subpart FFF

Operating Scenario: OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	FEDERAL RULE SUMMARY REQUIREMENTS NSPS - Subpart A - GENERAL PROVISIONS NSPS - Subpart FFF - STANDARDS OF PERFORMANCE FOR FLEXIBLE VINYL AND URETHANE COATING AND PRINTING [40 CFR 60]	None.	None.	None.
2	Particulate Emissions <= 0.5 lb/hr limit based on 0.02 grains per SCF gas emitted from source operation. [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
3	Opacity <= 20 %. No person shall cause, suffer, allow or permit particles to be emitted from any stack or chimney into the outdoor air greater than 20 percent opacity, exclusive of condensed water vapor, except for a period of not longer than three 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.
4	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.

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
5	VOC (Total) <= 4.6 tons/yr. [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by material balance each month during operation, based on a consecutive 12 month period (rolling 1 month basis). Calculations shall be based on amount and VOC content of each coating used for the month. [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Recordkeeping by production records each month during operation Record the total amount of solvent based coating material used for any 12 consecutive months, computed by adding the solvent based coating material consumed in a given month to that consumed in the preceding 11 months. Record and maintain the following information: i. Amount and VOCs content of each coating applied during the month for each coater/oven combination and total for the emission unit. ii. Formulation sheets and/or material safety data sheets showing VOC content of each coating applied during the month. iii. Monthly and 12-consecutive month total emissions. iv. Emissions calculations. [N.J.A.C. 7:27-22.16(o)]	None.
6	Ozone <= 0.442 tons/yr. [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 Corona Treater No. 4 Coater with UV Curing Lamp - OS3 VOC Coatings Subj to NSPS Subpart A, and NSPS Subpart FFF

Operating Scenario: OS1 Corona Treating Unit #4 (E201)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Raw material limited to paper, film and foil. [N.J.A.C. 7:27-22.16(e)]	None.	Recordkeeping by production records per change of material. Manually log raw material type in a logbook. [N.J.A.C. 7:27-22.16(o)]	None.
2	Ozone <= 0.101 lb/hr. Maximum emission rate for this Corona Treater. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	TSP <= 0.05 lb/hr. [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 Corona Treater No. 4 Coater with UV Curing Lamp - OS3 VOC Coatings Subj to NSPS Subpart A, and NSPS Subpart FFF

Operating Scenario: OS2 Surface Coater w/Ultraviolet Curing Lamp (E202) using non-VOC coatings

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Raw material limited to paper, film and foil. [N.J.A.C. 7:27-22.16(e)]	None.	Recordkeeping by production records per change of material. Manually log raw material type in a logbook. [N.J.A.C. 7:27-22.16(o)]	None.
2	TSP <= 0.05 lb/hr. [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 Corona Treater No. 4 Coater with UV Curing Lamp - OS3 VOC Coatings Subj to NSPS Subpart A, and NSPS Subpart FFF

Operating Scenario: OS3 Surface Coater w/Ultraviolet Curing Lamp (E202) using VOC coatings - NSPS Subpart FFF

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	VOC Content of the Surface Coating Formulation as Applied \leq 2.9 lb/gal. Maximum VOC content in coatings used. From Table 7D, Part B. [N.J.A.C. 7:27-16.7(c)1]	VOC Content of the Surface Coating Formulation as Applied: Monitored by formulation data daily during operation. The permittee shall monitor the amount of coating material and VOC content of each coating applied. Maintained standard formulation sheets, and material safety data sheets (MSDS). [N.J.A.C. 7:27-16.7(o)]	VOC Content of the Surface Coating Formulation as Applied: Recordkeeping by manual logging of parameter or storing data in a computer data system daily during operation. 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)] and. [N.J.A.C. 7:27-16.7(o)]	None.
2	Coating Application System Transfer Efficiency \geq 60 % of solids by weight. [N.J.A.C. 7:27-16.7(d)]	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 upon occurrence of event. [N.J.A.C. 7:27-22.16(o)]	None.
3	VOC (Total) \leq 2.5 lb/hr. Maximum emission rate of stack PT201 (CT-004) for Ultra Violet Curing Lamp No. 1 (E202). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Coating Usage \leq 5 gal/hr. [N.J.A.C. 7:27-22.16(a)]	Other: Coating usage monitored by daily production records. [N.J.A.C. 7:27-22.16(o)].	Coating Usage: Recordkeeping by manual logging of parameter or storing data in a computer data system each hour during operation. The owner or operator shall record the daily throughput and hours of operation and the calculated hourly process rate. [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
5	VOC Content of the Surface Coating Formulation as Applied <= 0.5 lb/gal. [N.J.A.C. 7:27-22.16(a)]	VOC Content of the Surface Coating Formulation as Applied: Monitored by formulation data daily during operation. (for each coating formula.). [N.J.A.C. 7:27-22.16(o)]	VOC Content of the Surface Coating Formulation as Applied: Recordkeeping by manual logging of parameter or storing data in a computer data system each week during operation. The owner or operator shall maintain readily accessible records of the VOC content of each surface coating formulation as applied, in pounds of VOC per gallon of coating; the percent by weight of any exempt organic substance; and the daily pounds of each surface coating formulation applied. [N.J.A.C. 7:27-22.16(o)]	None.
6	Coating Usage <= 43,800 gal/yr. Maximum annual coating usage. [N.J.A.C. 7:27-22.16(a)]	Coating Usage: Monitored by material feed/flow monitoring each month during operation, based on a consecutive 12 month period (rolling 1 month basis). Monitor the monthly solvent based coating formulation usage. [N.J.A.C. 7:27-22.16(o)]	Coating Usage: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The owner or operator shall maintain readily accessible records of the VOC content of each surface coating formulation as applied, in pounds of VOC per gallon of coating; the percent by weight of any exempt organic substance; and the daily pounds of each surface coating formulation applied. [N.J.A.C. 7:27-22.16(o)]	None.
7	Substrates limited to paper, foil and films. [N.J.A.C. 7:27-22.16(a)]	None.	Recordkeeping by production records per change of material during operation. Manually log raw material type in a logbook. [N.J.A.C. 7:27-22.16(o)]	None.
8	All requests, reports, applications, submittals, and other communications to the Administrator pursuant to Part 60 shall be submitted in duplicate to the Regional Office of US Environmental Protection Agency. Submit information to: Director, Division of Enforcement & Compliance Assistance, US EPA, Region 2, 290 Broadway, New York, NY 10007-1866. [40 CFR 60.4(a)]	None.	None.	Submit a report: As per the approved schedule to EPA Region 2 as required by 40 CFR 60. [40 CFR 60.4(a)]

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
9	Copies of all information submitted to EPA pursuant to 40 CFR Part 60, must also be submitted to the appropriate Regional Enforcement Office of NJDEP. [40 CFR 60.4(b)]	None.	None.	Submit a report: As per the approved schedule to the appropriate Regional Enforcement Office of NJDEP as required by 40 CFR 60. [40 CFR 60.4(b)]
10	The owner or operator subject to the provisions of 40 CFR Part 60 shall furnish the Administrator written notification or, if acceptable to both the Administrator and the owner or operator of a source, electronic notification, of the date of construction or reconstruction of an affected facility as defined under 40 CFR Part 60 Subpart A. Notification shall be postmarked no later than 30 days after such date. [40 CFR 60.7(a)(1)]	None.	None.	Submit notification: Upon occurrence of event to EPA Region 2 and the appropriate Regional Enforcement Office of NJDEP as required by 40 CFR 60.7 [40 CFR 60.7(a)(1)]
11	The owner or operator subject to the provisions of 40 CFR Part 60 shall furnish the Administrator written notification or, if acceptable to both the Administrator and the owner or operator of a source, electronic notification, of the actual date of initial startup of an affected facility postmarked within 15 days after such date. [40 CFR 60.7(a)(3)]	None.	None.	Submit notification: Upon occurrence of event to EPA Region 2 and the appropriate Regional Enforcement Office of NJDEP as required by 40 CFR 60.7 [40 CFR 60.7(a)(3)]

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
12	The owner or operator subject to the provisions of 40 CFR Part 60 shall furnish the Administrator written notification or, if acceptable to both the Administrator and the owner or operator of a source, electronic notification, of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless that change is specifically exempted under an applicable subpart or in 40 CFR 60.14(e). The notification shall include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of facility before and after the change and the expected completion date of the change. Notification shall be postmarked within 60 days or as soon as practicable before any change is commenced. The Administrator may request additional relevant information subsequent to this notice. [40 CFR 60.7(a)(4)]	None.	None.	Submit notification: Upon occurrence of event to EPA Region 2 and the appropriate Regional Enforcement Office of NJDEP as required by 40 CFR 60.7 [40 CFR 60.7(a)(4)]
13	The provisions set forth under an applicable subparts of 40 CFR Part 60 supersede conflicting provisions listed under Modification in 40 CFR Part 60.14. [40 CFR 60.14(f)]	None.	None.	None.
14	Compliance with all applicable standards must be achieved within 180 days of completion of any physical or operational change subject to the control measures specified in 40 CFR Part 60.14(a). [40 CFR 60.14(g)]	None.	None.	None.
15	Changes in time periods for submittal of information and postmark deadlines set forth in this subpart, may be made only upon approval by the Administrator and shall follow procedures outlined in 40 CFR Part 60.19. [40 CFR 60.19]	None.	None.	None.

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
16	VOC (Total) < 1 kg VOC/liter of applied coating solids (per calendar month). This limit is applicable when coating vinyl and urethane substrates. [40 CFR 60.582(a)(1)]	<p>VOC (Total): Monitored by other method (provide description) once initially and per change of material. The owner or operator shall use calculation procedures specified in 40 CFR 60.583(b).</p> <p>In accordance with 40 CFR 60.583(b)(5), if, during the time periods when emission control equipment is not used, all inks used contain less than 1.0 kilogram VOC per kilogram ink solids, the owner or operator is not required to calculate the weighted average VOC content, but must verify and record the VOC content of each ink (including any added dilution solvent) used as determined by Method 24, ink manufacturers' formulation data, or plant blending records. [40 CFR 60.583(c)]</p>	<p>VOC (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The inventory system shall accurately account to the nearest kilogram for the VOC content of all inks and dilution solvent used, recycled, and discarded for each affected facility during the averaging period. Separate records must be kept for each affected facility. [40 CFR 60.583(c)1] and. [40 CFR 60.584(d)]</p>	<p>Demonstrate compliance: Every six months on January 1 and July 1 of each year but started no sooner than three months after the effective date of the approved permit. The first report shall include data for the three months preceding the reporting half-year, if applicable. The owner or operator shall submit semiannual reports to the Administrator of each instance in which the volume- weighted average of the total mass of the VOCs emitted to the atmosphere per volume of applied coating solids is greater than the permit limit. [40 CFR 60.585(b)(1)]</p>

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Facility Specific Requirements**

Emission Unit: U3 2 MMBTU/hr Natural Gas-fired Make-up air heater

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)]	None.	None.	None.
2	NOx (Total) <= 0.876 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	CO <= 0.723 tons/yr. [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: U3 2 MMBTU/hr Natural Gas-fired Make-up air heater

Operating Scenario: OS1 Make-up air heater (E301) burning natural gas

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.2 lb/hr from the combustion of fuel based on the rated heat input of the source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	NOx (Total) <= 0.2 lb/hr. Based on Emission Factors from AP-42, Section 1.4, Natural Gas Combustion. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	CO <= 0.165 lb/hr. Based on Emission Factors from AP-42, Section 1.4, Natural Gas Combustion. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	TSP <= 0.05 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
5	Maximum Gross Heat Input <= 2 MMBTU/hr (HHV). Make-up air heater's fuel type limited to Natural Gas. [N.J.A.C. 7:27-22.16(a)]	None.	Other: Retain record of Fuel Burner Rated Capacity.[N.J.A.C. 7:27-22.16(o)].	None.
6	Natural Gas Usage: Facility wide fuel usage is calculated for all combustion sources at the facility. See GR1 [N.J.A.C. 7:27-22.16(a)]	None.	Other: See GR1 for the facility-wide natural gas consumption total each month from all burners, heaters and oxidizers.[N.J.A.C. 7:27-22.16(a)].	None.

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

Emission Unit: U7 Reverse Roll Coater & Oven subject to NSPS Subpart A, and NSPS Subpart RR, & MACT Subpart A, and MACT Subpart JJJJ Controlled by Regenerative Thermal

Operating Scenario: OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Federal Rule Summary NSPS - Subpart A - GENERAL PROVISIONS GR3 - NSPS - Subpart RR—STANDARDS OF PERFORMANCE FOR PRESSURE SENSITIVE TAPE AND LABEL SURFACE COATING OPERATIONS MACT - Subpart A - GENERAL PROVISIONS GR2: MACT - Subpart JJJJ—National Emission Standards for Hazardous Air Pollutants: Paper and Other Web Coating [40 CFR 60]	None.	None.	None.

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
2	<p>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 emission limits for THC concentrations and VOC emission limit, capture, and destruction efficiencies by the control device (CD6), as specified in the compliance plan for OS5, and OS6.</p> <p>Testing must be conducted at worst-case permitted operating conditions with regard to meeting the applicable emission standards, but without creating an unsafe condition.</p> <p>The permittee may propose, in the stack test protocol, to use CEMS data to satisfy the stack testing requirements, for NOx and/or CO, with EMS approval. In order for EMS to approve using CEMS data at the time of the stack test, the CEMS must be certified and be in compliance with all daily, quarterly and annual quality assurance requirements. The CEMS shall monitor and record emissions in units identical to those required by the applicable stack testing conditions of this permit. CEMS data, if allowed by this permit, shall be taken at the same worst case conditions as described above. [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: http://www.epa.gov/ttnchie1/ert. 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>
3	<p>Opacity <= 20 %. Opacity greater than 20%, exclusive of condensed water vapor, shall not exceed a period of three 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)]</p>	<p>None.</p>	<p>None.</p>	<p>None.</p>

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
4	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)]	<p>Monitored by visual determination each month during operation. Conduct visual inspections during daylight hours to identify if the stack (PT16, PT17, PT18, PT19, and PT20) 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:</p> <p>(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.</p> <p>(2) If the visible emissions problem is not corrected within 24 hours, a certified opacity reader shall perform an opacity observation, in accordance with N.J.A.C. 7:27B-2. Conduct opacity observations, in accordance with N.J.A.C. 7:27B-2, each day until the opacity problem is successfully corrected. [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 each month during operation. Record and retain the following:</p> <p>(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)]</p>	None.
5	VOC Destruction and Capture Efficiency \geq 90 % capture and % DRE by weight of the VOC emissions from the source operation and prevent from being discharged into the outdoor atmosphere at least 90 percent by weight of the VOC captured. [N.J.A.C. 7:27-16.17(q)]	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. See stack test details elsewhere in the OS Summary. [N.J.A.C. 7:27-22.16(o)]	VOC Destruction and Capture Efficiency: Recordkeeping by stack test results prior to permit expiration date. See stack test details elsewhere in the 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 stack test details elsewhere in the OS 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
6	100% Capture Efficiency of the sources. Applicable to Reverse Roll Coater - OS5, and Drying Operations - OS6. [N.J.A.C. 7:27-22.16(a)]	Monitored by stack emission testing prior to permit expiration date, based on the average of three Department validated stack test runs. Demonstrate capture efficiency via EPA Method 204 during each stack test. Observe magnehelic gauge to demonstrate the enclosure is under negative pressure and the emission collection system is functioning properly. See the stack testing requirements elsewhere in OS Summary. [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. Record observations of negative pressure. [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 elsewhere in OS Summary. [N.J.A.C. 7:27-22.16(o)]
7	VOC Destruction and Capture Efficiency \geq 98 % by weight. The owner and operator shall demonstrate that the installed thermal oxidizer operates at or above the minimum efficiency. [N.J.A.C. 7:27-22.16(a)]	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. See the stack testing requirements elsewhere in OS 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 the stack testing requirements elsewhere 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 elsewhere in OS Summary. [N.J.A.C. 7:27-22.16(o)]
8	Temperature \geq 1,500 degrees F. Minimum gas temperature within the thermal oxidizer combustion chamber prior to start-up of the source operation(s). Thermal oxidizer shall not be shut down until all air contaminants have been purged from the coating machine's venting manifold and from the connecting duct to the thermal oxidizer after source operation(s) ceases. [N.J.A.C. 7:27-22.16(a)]	Temperature: Monitored by temperature instrument continuously, based on 1 minute intervals. The permittee shall calibrate and maintain the temperature monitor(s) in accordance with the manufacturer's specifications. The monitoring device shall have an accuracy of the greater of + or - 0.75 percent of the temperature being measured expressed in degrees Celsius or + or - 2.5 deg C. The temperature monitor instrument shall include an alarm. 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 the permitted operating temperature are detected. [40 CFR 60.445(e)] and. [N.J.A.C. 7:27-22.16(o)]	Temperature: Recordkeeping by strip chart or data acquisition (DAS) system continuously. The operating temperature shall be recorded at the exit of the combustion chamber when using a thermal oxidizer to control VOC emissions. [40 CFR 60.443(e)], and. [N.J.A.C. 7:27-22.16(o)]	None.
9	Minimum Residence Time \geq 0.5 seconds. The thermal oxidizer. [N.J.A.C. 7:27-22.16(e)]	None.	Other: Maintain manufacturer's specifications. [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
10	The permittee shall submit a minor modification permit application to the Department to incorporate the maximum THC concentration approved by Emission Measurement Section (EMS) into the operating permit. Stack test was conducted on 3/2/2016. [N.J.A.C. 7:27-22.16(a)]	None.	None.	Submit the required air permit application(s): As per the approved schedule within 30 days from the date of the EMS approval letter. [N.J.A.C. 7:27-22.16(a)]
11	<p>THC Concentration <= 45 ppmv as propane with an analyzer range of 0- 300 ppm as propane (or 136 ppmv as methane with an analyzer range of 0- 300 ppm as methane.) This is an interim limit until a new limit is established.</p> <p>THC limit will be established through stack testing conducted in accordance with the procedures in NJDEP Technical Manual 1005. Stack test was conducted on 3/2/2016. [N.J.A.C. 7:27-22.16(a)]</p>	THC Concentration: Monitored by continuous emission monitoring system continuously (a 3 hour rolling average based on 60 minute averages.). [N.J.A.C. 7:27-22.16(o)]	THC Concentration: Recordkeeping by data acquisition system (DAS) / electronic data storage continuously. Maintain records of THC concentration in the flue gas emitted to the outdoor atmosphere. [N.J.A.C. 7:27-22.16(o)]	Submit an Excess Emissions and Monitoring Systems Performance Report (EEMPR): 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 starting with the quarter in which the Performance Specification Test was conducted, for review and approval. Quarterly EEMPR reports shall include all quarterly and annual QA data. This report shall be submitted whether or not an emission exceedance has occurred. [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
12	Re-certify Continuous Emission Monitoring System (CEMS) to demonstrate compliance with the THC limit elsewhere in this OS Summary. Conduct certification test in accordance with the NJDEP Technical Manual 1005. [N.J.A.C. 7:27-22.16(a)]	None.	None.	<p>Submit a performance test protocol: Within 30 days from the date of the approved permit. Submit an amended equipment protocol to the Bureau of Technical Services (EMS) at PO Box 437, Trenton, NJ 08625 within 30 days from the date of this approved permit BOP120001 and submit an amendment to the existing PST protocol within 30 days from this approved permit BOP120001 to perform a certification test. The amended protocols must reflect the updated and appropriate operating range for the CEMS.</p> <p>Perform the certification test after approval by EMS of the amended PST protocol in conjunction with the next annual Relative Accuracy Test Audit (RATA).</p> <p>Submit the certification report to BTS no later than 30 days from the date of certification testing. The test results must be certified by a licensed professional engineer or certified industrial hygienist. [N.J.A.C. 7:27-22.16(o)]</p>
13	The owner or operator shall develop a QA/QC plan for each 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.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
14	VOC (Total) <= 10 tons/yr. [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by material balance each month during operation, based on a consecutive 12 month period (rolling 1 month basis). Calculations shall be based on amount and VOC content of each coating used for the month and capture and destruction efficiency. [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation Record the total amount of solvent based coating material used for any 12 consecutive months, computed by adding the solvent based coating material consumed in a given month to that consumed in the preceding 11 months. Record and maintain the following information: i. Amount and VOCs content of each coating applied during the month for each coater/oven combination and total for the emission unit. ii. Formulation sheets and/or material safety data sheets showing VOC content of each coating applied during the month. iii. Monthly and 12-consecutive month total emissions. iv. Emissions calculations. [N.J.A.C. 7:27-22.16(o)]	None.
15	NOx (Total) <= 12.21 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
16	CO <= 10.26 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
17	TSP <= 0.928 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
18	PM-10 (Total) <= 0.928 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
19	PM-2.5 (Total) <= 0.928 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
20	Ozone <= 2.32 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
21	HAPs (Total) <= 6.01 tons/yr. Includes Hexane, and Toluene. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
22	Hexane (n-) <= 1.85 tons/yr. [N.J.A.C. 7:27-22.16(a)]	Hexane (n-): Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). Calculations shall be based on amount and Hexane content of each coating used for the month and capture and destruction efficiency. The composition of a surface coating formulation is based on utilization of standard formulation sheets, material safety data sheets, the results of analytical tests, or other methods approved in advance and provided that the required information can be readily extracted from the documents. [N.J.A.C. 7:27-16.7(o)] and. [N.J.A.C. 7:27-22.16(o)]	Hexane (n-): Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation Record and maintain the following information: i. Amount and HAPs content of each coating applied during the month for each coater/oven combination and total for the emission unit. ii. Formulation sheets and/or material safety data sheets showing VOC and HAP content of each coating applied during the month. iii. Monthly and 12-consecutive month total emissions. iv. Emissions calculations for any 12 consecutive months, computed by adding the HAPs content materials consumed in a given month to that consumed in the preceding 11 months. [N.J.A.C. 7:27-16.7(o)] and. [N.J.A.C. 7:27-22.16(o)]	None.
23	Toluene <= 4.16 tons/yr. [N.J.A.C. 7:27-22.16(a)]	Toluene: Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). Calculations shall be based on amount of coating material used and toluene content in each coating material used for the month and capture and destruction efficiency. Based on standard formulation sheets, material safety data sheets, the results of analytical tests, or other methods approved in advance and provided that the required information can be readily extracted from the documents. [N.J.A.C. 7:27-22.16(o)]	Toluene: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation Record and maintain the following information: i. Amount and HAPs content of each coating applied during the month for each coater/oven combination and total for the emission unit. ii. Formulation sheets and/or material safety data sheets showing VOC and HAP content of each coating applied during the month. iii. Monthly and 12-consecutive month total emissions. iv. Emissions calculations for any 12 consecutive months, computed by adding the HAPs content materials consumed in a given month to that consumed in the preceding 11 months. [N.J.A.C. 7:27-16.7(o)] and. [N.J.A.C. 7:27-22.16(o)]	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
24	Coating Usage <= 250,000 gal/yr. Total allowable annual solvent-based coating material usage combined for all coating and drying process at OS5-E23 and OS6-E25 individually since both are part of the same coating and drying operation. [N.J.A.C. 7:27-22.16(a)]	Other: Monitor the monthly solvent-based coating formulation usage in a consecutive 12-month period (rolling 1 month basis).[N.J.A.C. 7:27-22.16(o)].	Coating Usage: Recordkeeping by production records each month during operation. Record the amount of solvent based coating material usage combined for all coating and drying processes at (OS5 and OS6) for 12 consecutive months, based on production records. [N.J.A.C. 7:27-22.16(o)]	None.
25	Coating Usage <= 462,000 gal/yr. Total allowable annual water-based coating material usage for the reverse roll coater and drying oven process at OS11-E23, and OS12-E25 individually since both are part of the same coating and drying operation. [N.J.A.C. 7:27-22.16(a)]	Other: Monitor the monthly water-based coating formulation usage in a consecutive 12 month period (rolling 1 month basis)[N.J.A.C. 7:27-22.16(o)].	Coating Usage: Recordkeeping by production records each month during operation. Maintain production records of water-based coating material used for a consecutive 12 months period. [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: U7 Reverse Roll Coater & Oven subject to NSPS Subpart A, and NSPS Subpart RR, & MACT Subpart A, and MACT Subpart JJJJ Controlled by Regenerative Thermal

Operating Scenario: OS5 Reverse Roll Coater, E23, using solvent based coatings

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.17 lb/hr limit based on 0.02 grains per SCF gas emitted from source operation. Applies to OS5, and OS6 - PT16. [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
2	VOC Content of the Surface Coating Formulation as Applied <= 99 % by weight. Highest potential VOC content during High-Solvent formulation coating. [N.J.A.C. 7:27-22.16(a)]	Other: Monitor each surface coating formulation (dry solid coating laydown, weight % of solids, weight % of VOC, total pounds of formulation on the ream of substrate) used.[N.J.A.C. 7:27-22.16(o)].	VOC Content of the Surface Coating Formulation as Applied: Recordkeeping by production records each month during operation. The owner or operator shall maintain readily accessible records of the VOC content of each surface coating formulation as applied, in pounds of VOC per gallon of coating; the percent by weight of any exempt organic substance; and the daily pounds of each surface coating formulation applied, and the subtotal square inches of daily coating substrate. [N.J.A.C. 7:27-22.16(o)]	None.
3	VOC (Total) <= 0.47 lb/hr. [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by stack emission testing prior to permit expiration date, based on the average of three Department validated stack test runs. See stack test details in the OS Summary. [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Recordkeeping by stack test results prior to permit expiration date. See stack test details in the 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 stack test details in the OS Summary. [N.J.A.C. 7:27-22.16(o)]
4	HAPs (Total) <= 0.3 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	Hexane (n-) <= 0.09 lb/hr . [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by complying with VOC emissions.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain VOC emission records for compliance.[N.J.A.C. 7:27-22.16(o)].	None.
6	Toluene <= 0.21 lb/hr . [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by complying with VOC emissions.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain VOC emission records for compliance.[N.J.A.C. 7:27-22.16(o)].	None.
7	Raw material limited to paper, film and foil, and solvent based coatings. [N.J.A.C. 7:27-22.16(a)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system per change of material. [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
8	Total Hours of Operation <= 8,000 hr/yr. The same number of operating hours apply to OS5 and OS6 individually since both are part of the same coating and drying operation. [N.J.A.C. 7:27-22.16(a)]	Other: The total hours of operation shall be monitored based on production records.[N.J.A.C. 7:27-22.16(o)].	Total Hours of Operation: Recordkeeping by production records each month during operation. Record the amount of time used, for 12 consecutive months, computed by adding the hours operated in a given month to that operated in the preceding 11 months. [N.J.A.C. 7:27-22.16(o)]	None.
9	Coating Usage <= 120 gal/hr. Maximum coating feed rate. [N.J.A.C. 7:27-22.16(a)]	Other: Coating usage monitored by daily production records.[N.J.A.C. 7:27-22.16(o)].	Coating Usage: Recordkeeping by production records daily during operation. The owner or operator shall record the daily throughput and hours of operation and the calculated hourly process 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: U7 Reverse Roll Coater & Oven subject to NSPS Subpart A, and NSPS Subpart RR, & MACT Subpart A, and MACT Subpart JJJJ Controlled by Regenerative Thermal

Operating Scenario: OS6 Drying Operation E25 for the Reverse Roll Coater, E23, using solvent based coatings

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.17 lb/hr limit based on 0.02 grains per SCF gas emitted from source operation. Applies to OS5, and OS6 - PT16. [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
2	VOC (Total) <= 8.93 lb/hr. [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by stack emission testing prior to permit expiration date, based on the average of three Department validated stack test runs. See stack test details in the OS Summary. [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Recordkeeping by stack test results prior to permit expiration date. See stack test details in the 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)]
3	NOx (Total) <= 1.18 lb/hr. Based on Emission Factors from AP-42, Section 1.4, Natural Gas Combustion. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	CO <= 0.99 lb/hr. Based on Emission Factors from AP-42, Section 1.4, Natural Gas Combustion. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	TSP <= 0.09 lb/hr. Based on Emission Factors from AP-42, Section 1.4, Natural Gas Combustion. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	PM-10 (Total) <= 0.09 lb/hr. Based on Emission Factors from AP-42, Section 1.4, Natural Gas Combustion. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	PM-2.5 (Total) <= 0.09 lb/hr. Based on Emission Factors from AP-42, Section 1.4, Natural Gas Combustion. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	HAPs (Total) <= 5.76 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Hexane (n-) <= 1.77 lb/hr. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by complying with VOC emissions.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain VOC emission records for compliance.[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
10	Toluene <= 3.99 lb/hr. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by complying with VOC emissions.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain VOC emission records for compliance.[N.J.A.C. 7:27-22.16(o)].	None.
11	Temperature <= 225 degrees F. Maximum operating temperature of the Dryer (E25). [N.J.A.C. 7:27-22.16(e)]	None.	Temperature: Recordkeeping by manual logging of parameter or storing data in a computer data system at no required frequency. Maintain operating temperature records. [N.J.A.C. 7:27-22.16(o)]	None.
12	Maximum Gross Heat Input <= 12 MMBTU/hr (HHV). Dryer's fuel type limited to Natural Gas. [N.J.A.C. 7:27-22.16(a)]	None.	Other: Retain record of Fuel Burner Rated Capacity.[N.J.A.C. 7:27-22.16(o)].	None.
13	Raw material limited to paper, film and foil, and solvent based coatings. [N.J.A.C. 7:27-22.16(a)]	None.	Recordkeeping by production records per change of material. [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: U7 Reverse Roll Coater & Oven subject to NSPS Subpart A, and NSPS Subpart RR, & MACT Subpart A, and MACT Subpart JJJJ Controlled by Regenerative Thermal

Operating Scenario: OS11 Reverse Roll Coater, E23, using water based coatings

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.97 lb/hr limit based on 0.02 grains per SCF gas emitted from source operation. Applies to PT17, PT18, PT19, and PT20 combined. [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
2	TSP <= 0.05 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	Raw material limited to paper, film and foil, and water based coatings. [N.J.A.C. 7:27-22.16(a)]	None.	Recordkeeping by production records per change of material. Maintain production records. [N.J.A.C. 7:27-22.16(o)]	None.
4	Total Hours of Operation <= 6,600 hr/yr. Total allowable annual hours of operation processing water-based coating material for the reverse roll coater and drying oven process at OS11-E23, and OS12-E25 individually since both are part of the same coating and drying operation. [N.J.A.C. 7:27-22.16(a)]	Other.[N.J.A.C. 7:27-22.16(o)].	Total Hours of Operation: Recordkeeping by production records each month during operation. Record the amount of time used, for any 12 consecutive months, computed by adding the hours operated in a given month to that operated in the preceding 11 months. [N.J.A.C. 7:27-22.16(o)]	None.
5	Total Material Transferred <= 70 gal/hr. Maximum coating (aqueous polymeric coatings) usage. [N.J.A.C. 7:27-22.16(e)]	Other: Coating usage monitor by daily production records.[N.J.A.C. 7:27-22.16(o)].	Total Material Transferred: Recordkeeping by manual logging of parameter or storing data in a computer data system daily during operation. The owner or operator shall record the daily throughput and hours of operation and the calculated hourly process 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: U7 Reverse Roll Coater & Oven subject to NSPS Subpart A, and NSPS Subpart RR, & MACT Subpart A, and MACT Subpart JJJJ Controlled by Regenerative Thermal

Operating Scenario: OS12 Drying Oven Operation - E25 for the Reverse Roll Coater - E23, using water based coatings

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.97 lb/hr limit based on 0.02 grains per SCF gas emitted from source operation. Applies to PT17, PT18, PT19, and PT20 combined. [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
2	VOC (Total) <= 0.06 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	NOx (Total) <= 1.18 lb/hr. Based on Emission Factors from AP-42, Section 1.4, Natural Gas Combustion. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	CO <= 0.99 lb/hr. Based on Emission Factors from AP-42, Section 1.4, Natural Gas Combustion. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	TSP <= 0.09 lb/hr. Based on Emission Factors from AP-42, Section 1.4, Natural Gas Combustion. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	PM-10 (Total) <= 0.09 lb/hr. Based on Emission Factors from AP-42, Section 1.4, Natural Gas Combustion. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	PM-2.5 (Total) <= 0.09 lb/hr. Based on Emission Factors from AP-42, Section 1.4, Natural Gas Combustion. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Raw material limited to paper, film and foil, and water based coatings. [N.J.A.C. 7:27-22.16(a)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system per change of material. [N.J.A.C. 7:27-22.16(o)]	None.
9	Temperature <= 225 degrees F , maximum operating temperature. [N.J.A.C. 7:27-22.16(e)]	None.	Temperature: Recordkeeping by manual logging of parameter or storing data in a computer data system at no required frequency. Maintain operating temperature records. [N.J.A.C. 7:27-22.16(o)]	None.

U7 Reverse Roll Coater & Oven subject to NSPS Subpart A, and NSPS Subp:

OS12

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
10	Maximum Gross Heat Input <= 12 MMBTU/hr (HHV). Dryer's fuel type limited to Natural Gas. [N.J.A.C. 7:27-22.16(a)]	None.	Other: Maintain readily accessible 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: U7 Reverse Roll Coater & Oven subject to NSPS Subpart A, and NSPS Subpart RR, & MACT Subpart A, and MACT Subpart JJJJ Controlled by Regenerative Thermal

Operating Scenario: OS14 Corona Treating Unit #6 (Pretreatment)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.5 lb/hr limit based on 0.02 grains per SCF gas emitted from source operation. [N.J.A.C. 7:27-6.2(a)]	None.	None.	None.
2	The permittee shall not use the equipment in a manner that will cause visible emissions, exclusive of condensed water vapor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	TSP <= 0.05 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Ozone <= 0.21 lb/hr from this Corona Treater. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	Raw material limited to paper, film and foil. [N.J.A.C. 7:27-22.16(e)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system per change of material. [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: U7 Reverse Roll Coater & Oven subject to NSPS Subpart A, and NSPS Subpart RR, & MACT Subpart A, and MACT Subpart JJJJ Controlled by Regenerative Thermal

Operating Scenario: OS15 Corona Treating Unit #7 (Pretreatment)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.5 lb/hr limit based on 0.02 grains per SCF gas emitted from source operation. [N.J.A.C. 7:27-6.2(a)]	None.	None.	None.
2	The permittee shall not use the equipment in a manner that will cause visible emissions, exclusive of condensed water vapor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	TSP <= 0.05 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Ozone <= 0.32 lb/hr from this Corona Treater. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	Raw material limited to paper, film and foil. [N.J.A.C. 7:27-22.16(e)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system per change of material. [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: U8 Mixing Room - 5 Mixers

Operating Scenario: OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Opacity <= 20 %. Opacity greater than 20%, exclusive of condensed water vapor, shall not exceed a period of three 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.
2	No Visible Emissions, exclusive of condensed water vapor, except for no more than 3 minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
3	<p>VOC (Total) <= 3.5 lb/hr. Maximum allowable emission rate as determined from Tables 16A and 16B, based on VOC vapor pressure and percent VOC in each source gas. [N.J.A.C. 7:27-16.16(d)]</p>	<p>Other: Monitored by calculations and/or analysis of the source operations for each source batch for which the mixer source operation is specified.[N.J.A.C. 7:27-16.16(g)1].</p>	<p>Other: The owner or operator shall maintain records for each different kind of batch or continuous process for which the source operation is specified. The following shall be recorded with the information determined in accordance with the Procedure for Using Table 16A:</p> <ol style="list-style-type: none"> 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; <p>or,</p> <p>Conduct an analysis of the source operation, which demonstrates that, under operating conditions that maximize the VOC emissions after any control if any, the VOC emission rate of the source operation is in compliance with this section; and maintain process records sufficient to demonstrate whether the VOC emission rate of the source operation from actual operations does not exceed the VOC emission rate under operating conditions.</p> <p>The records shall be maintained for a period of no less than five years and make those records available upon request of the Department or EPA. [N.J.A.C. 7:27-16.16(g)1] and.[N.J.A.C. 7:27-16.22(a)].</p>	<p>None.</p>

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
4	VOC (Total) <= 0.953 tons/yr. [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [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 owner or operator shall maintain readily accessible records monthly and 12-consecutive month total. [N.J.A.C. 7:27-22.16(o)]	None.
5	Toluene <= 0.315 tons/yr. [N.J.A.C. 7:27-22.16(a)]	Toluene: Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	Toluene: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The owner or operator shall maintain readily accessible records of the monthly and 12-consecutive month total. [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: U8 Mixing Room - 5 Mixers

Operating Scenario: OS1 Mixer #1, OS2 Mixer #2, OS3 Mixer #3, OS4 Mixer #4, OS5 Mixer #5

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.5 lb/hr limit based on 0.02 grains per SCF gas emitted from source operation. [N.J.A.C. 7:27-6.2(a)]	None.	None.	None.
2	VOC (Total) <= 0.127 lb/hr based on AP-42 EIIP, Volume II, Chapter 8, Section 4.0. Maximum hourly fugitive emission rate, derived from minimum 1.0 hour per batch process. [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by calculations upon occurrence of event (prior to mixing of any new coating containing greater VOC content or new HAP.). [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 upon occurrence of event. [N.J.A.C. 7:27-22.16(o)]	None.
3	Toluene <= 0.042 lb/hr based on AP-42 EIIP, Volume II, Chapter 8, Section 4.0. Maximum emission rate, derived from minimum 1.0 hour per batch process. [N.J.A.C. 7:27-22.16(a)]	Toluene: Monitored by calculations upon occurrence of event (prior to mixing of any coating containing greater toluene content). [N.J.A.C. 7:27-22.16(o)]	Toluene: Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. [N.J.A.C. 7:27-22.16(o)]	None.
4	Total Production Rate <= 3,000 batches/yr. for each mixer. [N.J.A.C. 7:27-22.16(a)]	Other: Review of production records, daily.[N.J.A.C. 7:27-22.16(o)].	Total Production Rate: Recordkeeping by production records daily. [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 Solvent Recovery Unit

Operating Scenario: OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	VOC (Total) <= 0.24 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
2	Vapor Pressure <= 2.5 psia @ 70 degrees F of solvent based coatings processed. [N.J.A.C. 7:27-22.16(a)]	None.	Other: Maintain SDS showing vapor pressure of coatings processed.[N.J.A.C. 7:27-22.16(o)].	None.
3	Hours of Operation <= 6,000 hr/yr. [N.J.A.C. 7:27-22.16(a)]	Hours of Operation: Monitored by hour/time monitor continuously, based on a consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(o)]	Hours of Operation: Recordkeeping by production records each month during operation. Maintain records showing 12-consecutive month total. [N.J.A.C. 7:27-22.16(o)]	None.

BOP200001

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

Emission Unit: U9 Solvent Recovery Unit

Operating Scenario: OS1 Solvent Recovery Unit

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.5 lb/hr limit based on 0.02 grains per SCF gas emitted from source operation. [N.J.A.C. 7:27-6.2(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
2	VOC (Total) <= 3.5 lb/hr No person shall cause, suffer, allow, or permit any VOC to be emitted into the outdoor atmosphere from any source operation subject to the provisions of this section, in excess of the maximum allowable emission rate, as determined in accordance with the procedure in N.J.A.C. 7:27-16.16(d). [N.J.A.C. 7:27-16.16(c)]	None.	VOC (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system daily. The operator or owner shall maintain the following records for each source operation: 1. For each different kind of batch or continuous process for which the source operation is used: i. Record the following information determined in accordance with the Procedure for Using Table 16A in N.J.A.C. 7:27-16.16(c): the chemical name and vapor pressure of each VOC used, the percent concentration by volume of VOC in the source gas, the volumetric gas flow rate, the source gas range classification, and the maximum allowable emission rate; also record the maximum actual emission rate and maintain the calculations and any test data used to determine the actual emission rate for each process; and, 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 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. 7:27-22.16(o)]	None.
3	VOC (Total) <= 0.08 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Flowrate <= 15 gal/hr (design rate). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Maintained design documents.[N.J.A.C. 7:27-22.16(o)].	None.

LAMART CORP (31682)
BOP200001

Date: 10/16/2021

New Jersey Department of Environmental Protection
Facility Profile (General)

Facility Name (AIMS): Lamart Corporation

Facility ID (AIMS): 31682

Street 16 RICHMOND ST
Address: CLIFTON, NJ 07015

Mailing 16 RICHMOND ST
Address: CLIFTON, NJ 07015

County: Passaic

Location Facility occupies land between Chestnut and
Description: Richmond Streets and is bordered by Circle
Ave. on the southwest side

State Plane Coordinates:

X-Coordinate: 85,242

Y-Coordinate: 749,131

Units: Meters

Datum:

Source Org.:

Source Type:

Industry:

Primary SIC: 3079

Secondary SIC:

NAICS: 322220

New Jersey Department of Environmental Protection
Facility Profile (General)

Contact Type: Air Permit Information Contact

Organization: Lamart Corporation

Org. Type: Corporation

Name: Dean H. DeGhetto

NJ EIN:

Title: Mgr., Environmental, Health & Safety

Phone: (973) 772-6262 x0223

Mailing Address: 16 Richmond St

Fax: (973) 772-3673 x

Clifton, NJ 07015

Other: () - x

Type:

Email: ddeghetto@lamartcorp.com

Contact Type: BOP - Operating Permits

Organization: Lamart Corporation

Org. Type: Corporation

Name: Dean H. DeGhetto

NJ EIN:

Title: Mgr., Environmental, Health & Safety

Phone: (973) 772-6262 x0223

Mailing Address: 16 Richmond St

Fax: (973) 772-3673 x

Clifton, NJ 07015

Other: () - x

Type:

Email: ddeghetto@lamartcorp.com

Contact Type: BTS - Technical Services

Organization: Lamart Corporation

Org. Type: Corporation

Name: Dean H. DeGhetto

NJ EIN:

Title: Mgr., Environmental, Health & Safety

Phone: (973) 772-6262 x0223

Mailing Address: 16 Richmond St

Fax: (973) 772-3673 x

Clifton, NJ 07015

Other: () - x

Type:

Email: ddeghetto@lamartcorp.com

New Jersey Department of Environmental Protection
Facility Profile (General)

Contact Type: Consultant

Organization: Arcadis US, Inc.

Org. Type: Corporation

Name: Bridget Antczak

NJ EIN:

Title: Certified Project Manager

Phone: (908) 685-7841 x

Mailing Address: One Harvard Way

Fax: (908) 253-3295 x

Suite 5

Hillsborough, NJ 08844

Other: () - x

Type:

Email: bridget.antczak@arcadis.com

Contact Type: Emission Statements

Organization: Lamart Corporation

Org. Type: Corporation

Name: Dean H. DeGhetto

NJ EIN:

Title: Mgr., Environmental, Health & Safety

Phone: (973) 772-6262 x0223

Mailing Address: 16 Richmond St

Fax: (973) 772-3673 x

Clifton, NJ 07015

Other: () - x

Type:

Email: ddeghetto@lamartcorp.com

Contact Type: Fees/Billing Contact

Organization: Lamart Corporation

Org. Type: Corporation

Name: Dean H. DeGhetto

NJ EIN:

Title: Mgr., Environmental, Health & Safety

Phone: (973) 772-6262 x0223

Mailing Address: 16 Richmond St

Fax: (973) 772-3673 x

Clifton, NJ 07015

Other: () - x

Type:

Email: ddeghetto@lamartcorp.com

New Jersey Department of Environmental Protection
Facility Profile (General)

Contact Type: General Contact

Organization: Lamart Corporation

Org. Type: Corporation

Name: Dean H. DeGhetto

NJ EIN:

Title: Mgr., Environmental, Health & Safety

Phone: (973) 772-6262 x0223

Mailing Address: 16 Richmond St
Clifton, NJ 07015

Fax: (973) 772-3673 x

Other: () - x

Type:

Email: ddeghetto@lamartcorp.com

Contact Type: Legal Counsel

Organization:

Org. Type:

Name:

NJ EIN:

Title:

Phone: () - x

Mailing Address:

Fax: () - x

Other: () - x

Type:

Email:

Contact Type: On-Site Manager

Organization: Lamart Corporation

Org. Type: Corporation

Name: Dean H. DeGhetto

NJ EIN:

Title: Mgr., Environmental, Health & Safety

Phone: (973) 772-6262 x0223

Mailing Address: 16 Richmond St
Clifton, NJ 07015

Fax: (973) 772-3673 x

Other: () - x

Type:

Email: ddeghetto@lamartcorp.com

New Jersey Department of Environmental Protection
Facility Profile (General)

Contact Type: Operator

Organization: Lamart Corporation

Org. Type: Corporation

Name: Lamart Corporation

NJ EIN:

Title:

Phone: (973) 772-6262 x

Mailing Address: 16 Richmond St

Fax: (973) 772-3673 x

Clifton, NJ 07015

Other: () - x

Type:

Email:

Contact Type: Owner (Current CO-1)

Organization: Lamart Corporation

Org. Type: Corporation

Name: Jonathan B. Hirsh

NJ EIN:

Title: President

Phone: (973) 772-6262 x0245

Mailing Address: 16 Richmond St

Fax: (973) 772-3673 x

Clifton, NJ 07015

Other: () - x

Type:

Email: jhirsh@lamartcorp.com

Contact Type: Owner (Current CO-2)

Organization: Lamart Corporation

Org. Type: Corporation

Name: Craig Hirsh

NJ EIN:

Title: Vice President

Phone: (973) 772-6262 x0257

Mailing Address: 16 Richmond St

Fax: (973) 772-3673 x

Clifton, NJ 07015

Other: () - x

Type:

Email: chirsh@lamartcorp.com

LAMART CORP (31682)
BOP200001

Date: 10/16/2021

New Jersey Department of Environmental Protection
Facility Profile (General)

Contact Type: Owner (Current Primary)

Organization: Lamart Corporation

Org. Type: Corporation

Name: Lamart Corporation

NJ EIN:

Title:

Phone: (973) 772-6262 x

Mailing Address: 16 Richmond St

Fax: (973) 772-3673 x

Clifton, NJ 07015

Other: () - x

Type:

Email:

Contact Type: Responsible Official

Organization: Lamart Corporation

Org. Type: Corporation

Name: Jonathan B. Hirsh

NJ EIN:

Title: President

Phone: (973) 772-6262 x0245

Mailing Address: 16 Richmond St

Fax: (973) 772-3673 x

Clifton, NJ 07015

Other: () - x

Type:

Email: jhirsh@lamartcorp.com

LAMART CORP (31682)
BOP200001

Date: 10/16/2020

New Jersey Department of Environmental Protection
Non-Source Fugitive Emissions

FG NJID	Description of Activity Causing Emission	Location Description	Reasonable Estimate of Emissions (tpy)								
			VOC (Total)	NOx	CO	SO	TSP (Total)	PM-10	Pb	HAPS (Total)	Other (Total)
FG1											
Total			0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.00000000	0.000

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	Heater, heat input rate 164,000 Btu/hr	Fuel Combustion Equipment (Other)	200 Circle Ave.	0.004	0.066	0.028	0.000	0.005	0.005	0.000	0.00000000	0.000
IS4	Cold Cleaning Degreaser - 10 gallon (Top opening < 6 sq. ft., Capacity < 100 gallons)	Cleaning Machine (Open Top: Cold)	16 Richmond St.	0.068	0.000	0.000	0.000	0.000	0.000	0.000	0.00000000	0.000
IS5	5 Heaters, heat input rate 200,000 Btu/hr each	Fuel Combustion Equipment (Other)	Richmond St./Chestnut St.	0.024	0.404	0.172	0.003	0.033	0.033	0.000		
IS6	Boiler, heat input rate 146,000 Btu/hr	Fuel Combustion Equipment (Other)	Chestnut St.	0.003	0.059	0.025	0.000	0.005	0.005	0.000		
IS7	Heater, heat input rate 75,000 Btu/hr	Fuel Combustion Equipment (Other)	162 Circle Ave.	0.002	0.030	0.013	0.000	0.002	0.002	0.000		
IS8	4 Heaters, heat input rate 200,000 Btu/hr each	Fuel Combustion Equipment (Other)	162 Circle Ave.	0.019	0.323	0.137	0.002	0.026	0.026	0.000		
IS9	2 Heaters, heat input rate 400,000 Btu/hr each	Fuel Combustion Equipment (Other)	200 Circle Ave.	0.019	0.344	0.289	0.002	0.026	0.026	0.000		
IS10	Heater, heat input rate 75,000 Btu/hr	Fuel Combustion Equipment (Other)	200 Circle Ave.	0.002	0.030	0.013	0.000	0.002	0.002	0.000		
IS11	2 Boilers, heat input rate 154,000 Btu/hr each	Fuel Combustion Equipment (Other)	202 Circle Ave.	0.007	0.124	0.053	0.001	0.010	0.010	0.000		

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)
IS12	2 Heaters, heat input rate 250,000 Btu/hr each	Fuel Combustion Equipment (Other)	202 Circle Ave.	0.012	0.202	0.086	0.001	0.016	0.016	0.000		
Total				0.160	1.582	0.816	0.009	0.125	0.125	0.000	0.00000000	0.000

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

Equip. NJID	Facility's Designation	Equipment Description	Equipment Type	Certificate Number	Install Date	Grand-Fathered	Last Mod. (Since 1968)	Equip. Set ID
E23	RR Coater	Reverse Roll Coating Line	Surface Coating Equipment (Non-Fabric Material)	BOP990001	11/15/1999	No	11/15/1999	
E25	RRC Oven	Drying Oven for Reverse Roll Coater	Surface Coating Dryer	BOP990001	11/15/1999	No	11/15/1999	
E28	CT#6	Corona Treating Unit #6	Manufacturing and Materials Handling Equipment	BOP180001		No		
E29	CT#7	Corona Treating Unit #7	Manufacturing and Materials Handling Equipment	BOP180001		No		
E101	C#1	Machine No. 1 - Gravure Roller	Surface Coating Equipment (Non-Fabric Material)	104869	12/1/1989	No	2/1/1992	
E102	C#1-D	Dryer on Machine No. 1	Surface Coating Dryer	104869	12/1/1989	No	2/1/1992	
E103	C#3	Machine No. 3 - Rotogravure	Surface Coating Equipment (Non-Fabric Material)	104869	12/1/1989	No	2/1/1992	
E104	C#3-D	Dryer on Machine No. 3	Surface Coating Dryer	104869	12/1/1989	No	2/1/1992	
E107	Lab Coater	Lab Coater	Surface Coating Equipment (Non-Fabric Material)	104869	12/1/1989	No	2/1/1992	
E108	LC-D	Dryer on Lab Coater	Manufacturing and Materials Handling Equipment	104869	12/1/1989	No	2/1/1992	

**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
E109	CT#1	Corona Treater No. 1	Manufacturing and Materials Handling Equipment	113186	5/1/1993	No	5/1/1993	
E110	CT#2	Corona Treater No. 2	Manufacturing and Materials Handling Equipment	113186	5/1/1993	No	5/1/1993	
E111	CT#3	Corona Treater No. 3	Manufacturing and Materials Handling Equipment	122681	5/1/1995	No	5/1/1995	
E115	New Ctr #5	Coating Machine #5	Surface Coating Equipment (Non-Fabric Material)		6/1/2018	No		
E116	New C#5D	8.25 MMBTU/hr Dryer on Coating Machine #5	Surface Coating Dryer		6/1/2018	No		
E117	CT#5-1	Corona Treater Unit #5-1	Manufacturing and Materials Handling Equipment	BOP190002	6/1/2019	No		
E118	CT#5-2	Corona Treater Unit #5-2	Manufacturing and Materials Handling Equipment	BOP190002	6/1/2019	No		
E201	CT#4	UCL & Corona Treater No. 4	Manufacturing and Materials Handling Equipment	128482 BNSR Log No. 01961474	5/1/1996	No	5/1/1996	
E202	UV#1	Surface coater w/Ultraviolet Curing Lamp No. 1 (Laminator No. 7)	Surface Coating Equipment (Non-Fabric Material)	BOP150001	9/15/2015	No	5/1/1996	

**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
E301	MakeUp AH	Make-up Air Heater	Fuel Combustion Equipment (Other)	105345	3/1/1992	No	3/1/1992	
E801	Mixer #1	Mixer #1	Manufacturing and Materials Handling Equipment	BOP120002	12/31/1967	Yes		
E802	Mixer #2	Mixer #2	Manufacturing and Materials Handling Equipment	BOP120002	12/31/1967	Yes		
E803	Mixer #3	Mixer #3	Manufacturing and Materials Handling Equipment	BOP120002	12/31/1967	Yes		
E804	Mixer #4	Mixer #4	Manufacturing and Materials Handling Equipment	BOP120002	12/31/1967	Yes		
E805	Mixer #5	Mixer #5	Manufacturing and Materials Handling Equipment	BOP120002	6/30/2011	No		
E901	SolventRecov	Sovent Recovery Unit	Other Equipment		7/1/2017	No		

31682 LAMART CORP BOP200001 E23 (Surface Coating Equipment (Non-Fabric Material))
Print Date: 10/16/2020

Make:	<input type="text" value="Lyons Manufacturing"/>
Manufacturer:	<input type="text" value="Lyons Manufacturing"/>
Model:	<input type="text" value="Reverse Roll Coater"/>
Method of Application:	<input type="text" value="Other"/> Spray Type: <input type="text"/>
Description:	<input type="text" value="Solvent Reverse Roll Coating"/>

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:

31682 LAMART CORP BOP200001 E25 (Surface Coating Dryer)
Print Date: 10/16/2020

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 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:

31682 LAMART CORP BOP200001 E28 (Manufacturing and Materials Handling Equipment)
Print Date: 10/16/2020

Make:	
Manufacturer:	Pillar Technologies
Model:	AB5000-3503
Type of Manufacturing and Materials Handling Equipment:	Corona Treater
Capacity:	1.20E+04
Units:	other units
Description (if other):	linear feet per hour
Have you attached a diagram showing the location and/or the configuration of this equipment?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	Serial # 43669-1

31682 LAMART CORP BOP200001 E29 (Manufacturing and Materials Handling Equipment)
Print Date: 10/16/2020

Make:	<input type="text"/>
Manufacturer:	<input type="text" value="Enercon"/>
Model:	<input type="text" value="Elite Universal Roll Treatment System"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="Corona Treater"/>
Capacity:	<input type="text" value="1.20E+04"/>
Units:	<input type="text" value="other units"/>
Description (if other):	<input type="text" value="linear feet per hour"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="No"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="No"/>
Comments:	

31682 LAMART CORP BOP200001 E101 (Surface Coating Equipment (Non-Fabric Material))
Print Date: 10/16/2020

Make:	<input type="text" value="Rotogravure"/>
Manufacturer:	<input type="text" value="Lyons Machine Manufacturing"/>
Model:	<input type="text" value=""/>
Method of Application:	<input type="text" value="Roller"/> <input type="text" value="Spray Type:"/>
Description:	<input type="text" value=""/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="radio"/> Yes <input checked="" type="radio"/> No
	Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application? <input type="radio"/> Yes <input checked="" type="radio"/> No
Comments:	<input type="text" value="Gravure Roller, Non-Spraybooth"/>

31682 LAMART CORP BOP200001 E102 (Surface Coating Dryer)
Print Date: 10/16/2020

Make:	<input type="text"/>
Manufacturer:	<input type="text" value="AER Overly"/>
Model:	<input type="text"/>
Dryer Type:	<input type="text" value="Combustion"/>
Heating Method:	<input type="text" value="Open Flame"/>
Maximum Rated Gross Heat Input (MMBtu/hr):	<input type="text" value="0.12"/>
Maximum % Sulfur content in Fuel:	<input type="text"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="radio"/> Yes <input checked="" type="radio"/> No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="radio"/> Yes <input checked="" type="radio"/> No
Comments:	<input type="text" value="Began operation in Dec. 1989, modified in Feb. 1992. Applicable to 40 CCR 63, Subchapter JJJJ. But, not subject to MACT for industrial, commercial, and industrial boilers and process heaters"/>

31682 LAMART CORP BOP200001 E103 (Surface Coating Equipment (Non-Fabric Material))
Print Date: 10/16/2020

Make:	<input type="text" value="Rotogravure"/>
Manufacturer:	<input type="text"/>
Model:	<input type="text"/>
Method of Application:	<input type="text" value="Roller"/> <input type="text" value="Spray Type:"/>
Description:	<input type="text"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="radio"/> Yes <input checked="" type="radio"/> No
	Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application? <input type="radio"/> Yes <input checked="" type="radio"/> No
Comments:	<input type="text" value="Rotogravure - Non Spray type"/>

31682 LAMART CORP BOP200001 E104 (Surface Coating Dryer)
Print Date: 10/16/2020

Make:	<input type="text"/>
Manufacturer:	<input type="text" value="AER Overly"/>
Model:	<input type="text"/>
Dryer Type:	<input type="text" value="Combustion"/>
Heating Method:	<input type="text" value="Open Flame"/>
Maximum Rated Gross Heat Input (MMBtu/hr):	<input type="text" value="0.34"/>
Maximum % Sulfur content in Fuel:	<input type="text"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="radio"/> Yes <input checked="" type="radio"/> No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="radio"/> Yes <input checked="" type="radio"/> No
Comments:	<input type="text" value="Began operation in Dec. 1989, modified in Feb. 1992. Applicable to 40 CCR 63, Subchapter JJJJ. But, not subject to MACT for industrial, commercial, and industrial boilers and process heaters"/>

31682 LAMART CORP BOP200001 E107 (Surface Coating Equipment (Non-Fabric Material))
Print Date: 10/16/2020

Make:	<input type="text"/>
Manufacturer:	<input type="text"/>
Model:	<input type="text" value="Reverse roller"/>
Method of Application:	<input type="text" value="Roller"/> <input type="text" value="Spray Type:"/>
Description:	<input type="text"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input checked="" type="radio"/> Yes <input type="radio"/> No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="radio"/> Yes <input checked="" type="radio"/> No
Comments:	<input type="text" value="Non-spray type reverse roll and rotogravure"/>

31682 LAMART CORP BOP200001 E108 (Manufacturing and Materials Handling Equipment)
Print Date: 10/16/2020

Make:	<input type="text"/>
Manufacturer:	<input type="text"/>
Model:	<input type="text"/>
Type of Manufacturing and Materials Handling Equipment:	Electrical drying oven for lab coater
Capacity:	1.65E+01
Units:	other units <input type="button" value="v"/>
Description (if other):	lbs/hr
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes <input type="button" value="v"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No <input type="button" value="v"/>
Comments:	Electrical lab coater drying oven

31682 LAMART CORP BOP200001 E109 (Manufacturing and Materials Handling Equipment)
Print Date: 10/16/2020

Make:

Manufacturer:

Model:

Type of Manufacturing and Materials Handling Equipment:

Capacity:

Units:

Description (if other):

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

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

Comments:

31682 LAMART CORP BOP200001 E110 (Manufacturing and Materials Handling Equipment)
Print Date: 10/16/2020

Make:

Manufacturer:

Model:

Type of Manufacturing and Materials Handling Equipment:

Capacity:

Units:

Description (if other):

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

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

Comments:

31682 LAMART CORP BOP200001 E111 (Manufacturing and Materials Handling Equipment)
Print Date: 10/16/2020

Make:	<input type="text"/>
Manufacturer:	<input type="text"/>
Model:	<input type="text"/>
Type of Manufacturing and Materials Handling Equipment:	Corona Treater No. 3
Capacity:	1.70E+03
Units:	other units <input type="button" value="v"/>
Description (if other):	lbs/hr <input type="button" value="v"/>

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

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

Comments:

31682 LAMART CORP BOP200001 E115 (Surface Coating Equipment (Non-Fabric Material))
Print Date: 10/16/2020

Make:	<input type="text"/>
Manufacturer:	<input type="text" value="Catbridge Machinery"/>
Model:	<input type="text"/>
Method of Application:	<input type="text" value="Other"/> Spray Type: <input type="text"/>
Description:	<input type="text" value="Reverse Roll and Gravure Stations"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?
<input type="radio"/> Yes <input checked="" type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No
Comments:	

31682 LAMART CORP BOP200001 E116 (Surface Coating Dryer)
Print Date: 10/16/2020

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 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:

31682 LAMART CORP BOP200001 E117 (Manufacturing and Materials Handling Equipment)
Print Date: 10/16/2020

Make:	<input type="text"/>
Manufacturer:	<input type="text" value="Enercon"/>
Model:	<input type="text" value="LM5771-DA"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="Corona Treater"/>
Capacity:	<input type="text" value="3.00E+04"/>
Units:	<input type="text" value="other units"/>
Description (if other):	<input type="text" value="feet per hour"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="No"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="No"/>
Comments:	

31682 LAMART CORP BOP200001 E118 (Manufacturing and Materials Handling Equipment)
Print Date: 10/16/2020

Make:	<input type="text"/>
Manufacturer:	<input type="text" value="Enercon"/>
Model:	<input type="text" value="LM5770-D11"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="Corona Treater"/>
Capacity:	<input type="text" value="3.00E+04"/>
Units:	<input type="text" value="other units"/>
Description (if other):	<input type="text" value="feet per hour"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="No"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="No"/>
Comments:	

31682 LAMART CORP BOP200001 E201 (Manufacturing and Materials Handling Equipment)
Print Date: 10/16/2020

Make:	<input type="text"/>
Manufacturer:	<input type="text"/>
Model:	<input type="text" value="UCL"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="Corona Treater No. 4"/>
Capacity:	<input type="text" value="1.29E+03"/>
Units:	<input type="text" value="other units"/>
Description (if other):	<input type="text" value="lbs/hr"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="Yes"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="No"/>
Comments:	<input type="text" value="UCL Corona Treater No. 4"/>

31682 LAMART CORP BOP200001 E202 (Surface Coating Equipment (Non-Fabric Material))
Print Date: 10/16/2020

Make:

Manufacturer:

Model:

Method of Application: Spray 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:

31682 LAMART CORP BOP200001 E301 (Fuel Combustion Equipment (Other))
Print Date: 10/16/2020

Make:	TOT 218 HBL
Manufacturer:	Weather-Rite
Model:	Outdoor
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	2.00
Type of Heat Exchange:	Direct
Equipment Type Description:	Make-up Air Unit

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.

31682 LAMART CORP BOP200001 E801 (Manufacturing and Materials Handling Equipment)
Print Date: 10/16/2020

Make:	<input type="text"/>
Manufacturer:	<input type="text"/>
Model:	<input type="text"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="Drum Mixer"/>
Capacity:	<input type="text" value="5.50E+01"/>
Units:	<input type="text" value="gallons"/>
Description (if other):	<input type="text"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="No"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="No"/>
Comments:	<input type="text" value="Grand-fathered equipment"/>

31682 LAMART CORP BOP200001 E802 (Manufacturing and Materials Handling Equipment)
Print Date: 10/16/2020

Make:	<input type="text"/>
Manufacturer:	<input type="text"/>
Model:	<input type="text"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="Drum Mixer"/>
Capacity:	<input type="text" value="5.50E+01"/>
Units:	<input type="text" value="gallons"/>
Description (if other):	<input type="text"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="No"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="No"/>
Comments:	<input type="text" value="Grand-fathered equipment"/>

31682 LAMART CORP BOP200001 E803 (Manufacturing and Materials Handling Equipment)
Print Date: 10/16/2020

Make:	<input type="text"/>
Manufacturer:	<input type="text"/>
Model:	<input type="text"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="Drum Mixer"/>
Capacity:	<input type="text" value="5.50E+01"/>
Units:	<input type="text" value="gallons"/>
Description (if other):	<input type="text"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="No"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="No"/>
Comments:	<input type="text" value="Grand-fathered equipment"/>

31682 LAMART CORP BOP200001 E804 (Manufacturing and Materials Handling Equipment)
Print Date: 10/16/2020

Make:	<input type="text"/>
Manufacturer:	<input type="text"/>
Model:	<input type="text"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="Drum Mixer"/>
Capacity:	<input type="text" value="5.50E+01"/>
Units:	<input type="text" value="gallons"/>
Description (if other):	<input type="text"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="No"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="No"/>
Comments:	<input type="text" value="Grand-fathered equipment"/>

31682 LAMART CORP BOP200001 E805 (Manufacturing and Materials Handling Equipment)
Print Date: 10/16/2020

Make:	<input type="text"/>
Manufacturer:	<input type="text"/>
Model:	<input type="text"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="Drum Mixer"/>
Capacity:	<input type="text" value="5.50E+01"/>
Units:	<input type="text" value="gallons"/>
Description (if other):	<input type="text"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="No"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="No"/>
Comments:	<input type="text" value="Grand-fathered equipment"/>

31682 LAMART CORP BOP200001 E901 (Other Equipment)
Print Date: 10/16/2020

Make:

Manufacturer:

Model:

Equipment Type:

Capacity:

15.00

Units:

Description:

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

 Yes
 No

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

 Yes
 No

Comments:

LAMART CORP (31682)

BOP200001

Date: 10/16/2020

**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
CD6	Bldg 5 RTO	50,000 CFM regenerative thermal oxidizer	Oxidizer (Thermal)	11/15/1999	No	11/15/1999	
CD102	New RTO 2013	Regenerative thermal oxidizer, 2013	Oxidizer (Thermal)	9/5/2013	No		

31682 LAMART CORP BOP200001 CD6 (Oxidizer (Thermal))
Print Date: 10/16/2020

Make:	Huntington Environmental Systems
Manufacturer:	Huntington Environmental Systems
Model:	50,000 CFM regenerative thermal oxidizer
Minimum Chamber Temperature (°F):	1500
Minimum Residence Time (sec):	0.5
Fuel Type:	Natural gas
Description:	
Maximum Rated Gross Heat Input (MMBtu/hr):	18
Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources):	2
Alternative Method to Demonstrate Control Apparatus is Operating Properly:	Installation of CEMS monitoring THC and oxygen concentrations

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:

31682 LAMART CORP BOP200001 CD102 (Oxidizer (Thermal))
Print Date: 10/16/2020

Make:	
Manufacturer:	Megtec Systems
Model:	MIL-1050-93
Minimum Chamber Temperature (°F):	1500
Minimum Residence Time (sec):	0.5
Fuel Type:	Natural gas
Description:	
Maximum Rated Gross Heat Input (MMBtu/hr):	2.95
Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources):	8
Alternative Method to Demonstrate Control Apparatus is Operating Properly:	
Have you attached data from recent performance testing?	<input type="radio"/> Yes <input checked="" type="radio"/> No
Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus?	<input type="radio"/> Yes <input checked="" type="radio"/> No
Have you attached a diagram showing the location and/or configuration of this control apparatus?	<input type="radio"/> Yes <input checked="" type="radio"/> No
Comments:	New RTO's capture efficiency (100%), destruction and removal efficiency (DRE) of 95% shall be demonstrated during the stack test.

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.		
PT16	CircleAveRTO	Stack for 50,000 cfm RTO (CD6)	Round	62	32	11	200.0	175.0	225.0	50,000.0	9,000.0	54,035.0	Up	
PT17	RRC - BP1	Bypass stack for zone #1 exhaust	Round	24	33	57	70.0	60.0	80.0	7,000.0	3,500.0	7,000.0	Up	
PT18	RRC - BP2	Bypass stack for zone #2 exhaust	Round	24	33	58	70.0	60.0	80.0	7,000.0	3,500.0	7,000.0	Up	
PT19	RRC - BP3	Bypass stack for zone #3 exhaust	Round	24	33	58	160.0	120.0	225.0	8,188.0	7,660.0	8,981.0	Up	
PT20	RRC - BP4	Bypass stack for zone #4 exhaust	Round	24	33	53	160.0	120.0	225.0	8,188.0	7,660.0	8,981.0	Up	
PT22	CT-6	Corona Treater #6	Round	4	27	16	70.0	50.0	90.0	500.0	250.0	500.0	Horizontal	
PT23	CT-7	Corona Treater #7	Round	8	31	33	70.0	50.0	90.0	1,600.0	1,000.0	1,600.0	Horizontal	
PT102	CT-1	Corona Treater #1	Round	15	25	50	70.0	70.0	70.0	500.0	400.0	600.0	Up	
PT103	CT-2	Corona Treater #2	Round	24	25	75	70.0	70.0	70.0	500.0	400.0	600.0	Up	
PT104	CT-3	Corona Treater #3	Round	10	25	25	70.0	70.0	70.0	200.0	1,800.0	2,200.0	Up	
PT105	By-Pass #1	Machine #1 by-pass stack	Square	14	30	70	225.0	200.0	250.0	900.0	800.0	1,000.0	Up	
PT106	By-Pass #3	Machine #3 by-pass stack	Square	13	30	75	225.0	200.0	250.0	2,550.0	2,450.0	2,650.0	Up	
PT110	Richmond RTO	Richmond Street RTO (CD102) Exhaust Stack	Rectangle	40	30	10	200.0	82.0	250.0	20,000.0	5,000.0	25,000.0	Up	
PT112	By-Pass #5	machine #5 by-pass stack	Round	40	37	50	450.0	70.0	500.0	15,000.0	12,500.0	17,000.0	Up	
PT113	CT-5-1	Corona Treater #5-1	Round	10	30	13	70.0	50.0	90.0	2,000.0	1,000.0	2,000.0	Horizontal	
PT114	CT-5-2	Corona Treater #5-2	Round	10	30	40	70.0	50.0	90.0	1,000.0	500.0	1,000.0	Horizontal	
PT201	CT-4 VCL-1	Stack for corona treater #4 & Ultraviolet curing lamp #1	Round	12	25	20	70.0	70.0	70.0	1,080.0	1,000.0	1,200.0	Up	

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Date: 10/16/2020

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.		
PT301	Air Heater	Make-up air heater	Rectangle	10	20	20	250.0	212.0	300.0	1,000.0	900.0	1,100.0	Up	
PT801	Mixing Room	Mixing Room Exhaust	Square	54	20	100	70.0	60.0	100.0	2,300.0	1,800.0	2,500.0	Horizontal	
PT902	SolventRecov	Solvent Recovery Unit Emission Point	Round	6	8	8	70.0	50.0	80.0	250.0	0.0	250.0	Horizontal	

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

U 1 Coatings Coating Operations Subj to NSPS Subpart A, NSPS Subpart RR & MACT Subpart A, MACT Subpart JJJJ (Machines #1, #3, #5 and Lab Coater w/ ovens), Controll

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	C#1 - C	Machine #1, E101, rotogravure coating. Emissions are controlled by the oxidizer (CD102)	Normal - Steady State	E101	CD102 (P)	PT110	4-02-999-98	0.0	8,760.0		850.0	900.0	200.0	225.0
OS2	C#3 - C	Machine #3, E103, rotogravure coating with a one zone drying oven. Emissions are controlled by the oxidizer (CD102)	Normal - Steady State	E103	CD102 (P)	PT110	4-02-999-98	0.0	8,760.0		2,400.0	2,550.0	200.0	225.0
OS4	LabC - C	Lab Coater E107, either reverse roll or rotogravure coating head with oven. VOC from the coater and drying oven are directed to the oxidizer (CD102)	Normal - Steady State	E107	CD102 (P)	PT110	4-02-999-98	0.0	8,760.0		1,500.0	1,972.0	200.0	225.0
OS5	C#1 - D	Machine #1, E102, one zone drying oven on serving coater E101. Emissions are controlled by the oxidizer (CD102)	Normal - Steady State	E102	CD102 (P)	PT110	4-02-999-98	0.0	8,760.0		850.0	900.0	200.0	225.0
OS6	C#1 - DB	Machine #1, rotogravure coating process exhausting through drying oven (E102) in stack by-pass mode	Normal - Steady State	E101		PT105	4-02-999-98	3,500.0	8,760.0		800.0	1,000.0	200.0	250.0
OS7	C#3 - D	Machine #3, E103, rotogravure coater with drying oven (E104) on. Emissions are controlled by the oxidizer (CD102)	Normal - Steady State	E104	CD102 (P)	PT110	4-02-999-98	0.0	8,760.0		2,000.0	2,550.0	200.0	225.0

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

U 1 Coatings Coating Operations Subj to NSPS Subpart A, NSPS Subpart RR & MACT Subpart A, MACT Subpart JJJJ (Machines #1, #3, #5 and Lab Coater w/ ovens), Controll

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.
OS8	C#3 - DB	Machine #3, E103, rotogravure coating process going through drying oven (E104) in stack by-pass mode	Normal - Steady State	E103		PT106	4-02-999-98	3,500.0	8,760.0		2,000.0	2,550.0	200.0	250.0
OS11	LabC - D	Electric drying oven (E108) operating with Lab Coater, OS4, Emissions are controlled by the oxidizer (CD102)	Normal - Steady State	E108	CD102 (P)	PT110	4-02-999-98	0.0	8,760.0		1,500.0	1,972.0	200.0	225.0
OS12	CT-1	Corona Treating Unit #1 (E109)	Normal - Steady State	E109		PT102	4-02-999-98	5,000.0	6,000.0		400.0	500.0	70.0	70.0
OS13	CT-2	Corona Treating Unit #2 (E110)	Normal - Steady State	E110		PT103	4-02-999-98	5,000.0	6,000.0		400.0	500.0	70.0	70.0
OS14	CT-3	Corona Treating Unit #3 (E111)	Normal - Steady State	E111		PT104	4-02-999-98	0.0	8,760.0		1,800.0	2,200.0	70.0	70.0
OS17	Ctr#5 - C	Solvent - based coatings Machine #5 (E115) reverse roll coating head, controlled by RTO (CD102)	Normal - Steady State	E115	CD102 (P)	PT110	4-02-999-98	0.0	8,760.0		12,500.0	17,000.0	70.0	550.0
OS18	Ctr#5 - D	Solvent - based coatings Machine #5 Drying Oven (E116) controlled by RTO (CD102)	Normal - Steady State	E116	CD102 (P)	PT110	4-02-999-98	0.0	8,760.0		12,500.0	17,000.0	70.0	550.0
OS19	Ctr#5 - BP	Water-based coatings Machine #5 (E115) reverse roll coating head, in stack by-pass mode	Normal - Steady State	E115		PT112	4-02-999-98	0.0	8,760.0		12,500.0	17,000.0	70.0	500.0
OS20	Ctr#5 - DBP	Water-based coatings Machine #5 Drying Oven (E116) in stack bypass mode	Normal - Steady State	E116		PT112	4-02-999-98	0.0	8,760.0		12,500.0	17,000.0	70.0	500.0

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

U 1 Coatings Coating Operations Subj to NSPS Subpart A, NSPS Subpart RR & MACT Subpart A, MACT Subpart JJJJ (Machines #1, #3, #5 and Lab Coater w/ovens), Controll

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.
OS21	CT #5-1	Corona Treating Unit #5-1 - Primary Unwind	Normal - Steady State	E117		PT113	4-02-999-98	0.0	8,760.0		1,000.0	2,000.0	50.0	90.0
OS22	CT #5-2	Corona Treating Unit #5-2 - Prelaminating Nip	Normal - Steady State	E118		PT114	4-02-999-98	0.0	8,760.0		500.0	1,000.0	50.0	90.0

U 2 Corona Tr #4 Corona Treater No. 4 Coater with UV Curing Lamp - OS3 VOC Coatings Subj to NSPS Subpart A, and NSPS Subpart FFF

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS1	CT-4	Corona Treating Unit #4 (E201)	Normal - Steady State	E201		PT201	4-02-999-98	5,000.0	8,760.0		400.0	500.0	70.0	70.0
OS2	UV-1	Surface Coater w/Ultraviolet Curing Lamp (E202) using non-VOC coatings	Normal - Steady State	E202		PT201	4-02-999-98	5,000.0	8,760.0		400.0	500.0	70.0	70.0
OS3	UV-1 VOC	Surface Coater w/Ultraviolet Curing Lamp (E202) using VOC coatings - NSPS Subpart FFF	Normal - Steady State	E202		PT201	4-02-999-98	5,000.0	8,760.0		400.0	500.0	70.0	70.0

LAMART CORP (31682)
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Date: 10/16/2020

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

U 3 MAH 2 MMBTU/hr Natural Gas-fired Make-up air heater

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	MAH	Make-up air heater (E301) burning natural gas	Normal - Steady State	E301		PT301	1-05-001-06	2,880.0	8,760.0		900.0	1,100.0	212.0	300.0

U 7 Building #5 Reverse Roll Coater & Oven subject to NSPS Subpart A, and NSPS Subpart RR, & MACT Subpart A, and MACT Subpart JJJJ Controlled by Regenerative Thermal

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.
OS5	RR Coater	Reverse Roll Coater, E23, using solvent based coatings	Normal - Steady State	E23	CD6 (P)	PT16		0.0	8,000.0		9,000.0	54,035.0	175.0	225.0
OS6	Coatr Oven	Drying Operation E25 for the Reverse Roll Coater, E23, using solvent based coatings	Normal - Steady State	E25	CD6 (P)	PT16		0.0	8,000.0		9,000.0	54,035.0	175.0	225.0
OS11	Water Base	Reverse Roll Coater, E23, using water based coatings	Normal - Steady State	E23		PT17 PT18 PT19 PT20		0.0	6,600.0		15,000.0	30,376.0	70.0	225.0
OS12	Oven-WatrB	Drying Oven Operation - E25 for the Reverse Roll Coater - E23, using water based coatings	Normal - Steady State	E25		PT17 PT18 PT19 PT20		0.0	8,760.0		15,000.0	30,376.0	70.0	225.0

LAMART CORP (31682)
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Date: 10/16/2020

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

U 7 Building #5 Reverse Roll Coater & Oven subject to NSPS Subpart A, and NSPS Subpart RR, & MACT Subpart A, and MACT Subpart JJJJ Controlled by Regenerative Thermal

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.
OS14	CT-6	Corona Treating Unit #6 (Pretreatment)	Normal - Steady State	E28		PT22	4-02-999-98	0.0	8,760.0		250.0	500.0	50.0	90.0
OS15	CT-7	Corona Treating Unit #7 (Pretreatment)	Normal - Steady State	E29		PT23	4-02-999-98	0.0	8,760.0		1,000.0	1,600.0	50.0	90.0

U 8 Mixing Room Mixing Room - 5 Mixers

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	Mixer #1	Mixer #1	Normal - Steady State	E801		PT801		0.0	3,000.0	A	0.0	2,300.0	60.0	100.0
OS2	Mixer #2	Mixer #2	Normal - Steady State	E802		PT801		0.0	3,000.0	A	0.0	2,300.0	60.0	100.0
OS3	Mixer #3	Mixer #3	Normal - Steady State	E803		PT801		0.0	3,000.0	A	0.0	2,300.0	60.0	100.0
OS4	Mixer #4	Mixer #4	Normal - Steady State	E804		PT801		0.0	3,000.0	A	0.0	2,300.0	60.0	100.0
OS5	Mixer #5	Mixer #5	Normal - Steady State	E805		PT801		0.0	3,000.0	A	0.0	2,300.0	60.0	100.0

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Date: 10/16/2020

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

U 9 SolventRecov Solvent Recovery Unit

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	SolventRecov	Solvent Recovery Unit	Normal - Steady State	E901		PT902		0.0	6,000.0		0.0	250.0	50.0	80.0

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

Group NJID: GR1 N.G. Burners

Members:

Type	ID	OS	Step
IS	IS1		
U	U 1	OS5 C#1 - D	
U	U 1	OS7 C#3 - D	
U	U 3	OS0 Summary	
U	U 7	OS12 Oven-WatrB	
U	U 7	OS6 Coatr Oven	

Formal Reason(s) for Group/Cap:

Other

Other (explain): Totalizing the facility natural gas usage for combined fuel usage monitoring and record keeping

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

Annual facility-wide natural gas usage to be limited @ 322.43 MM cu.ft. based on all combustion units operating 8,760 hours per year at full load. Cubic feet per calendar year shall be calculated by the sum of the cubic feet consumed during any one month added to the sum of the cubic feet consumed during the preceding months of the calendar year.

Operating Circumstances:

Monitored by fuel/firing rate instrument continuously for the building which includes insig. heaters (IS1, IS2, IS3), drying ovens (E25, E102, E104, E106), air heater (E301), with associated control devices (regenerated thermal oxidizers, CD6 & CD102).

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

Group NJID: GR2 MACT SubJJJ

Members:

Type	ID	OS	Step
U	U 1	OS0 Summary	
U	U 7	OS0 Summary	

Formal Reason(s) for Group/Cap:

Other

Other (explain): Same general federal applicable requirements applying to U1 and U7

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

Operating Circumstances:

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

Group NJID: GR3 NSPS SubP-RR

Members:

Type	ID	OS	Step
U	U 1	OS0 Summary	
U	U 7	OS0 Summary	

Formal Reason(s) for Group/Cap:

Other

Other (explain): Same general federal applicable requirements applying to U1 and U7.

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

Operating Circumstances: