



State of New Jersey

PHILIP D. MURPHY
Governor

TAHESHA L. WAY
Lt. Governor

DEPARTMENT OF ENVIRONMENTAL PROTECTION

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

SHAWN M. LATOURETTE
Commissioner

Air Pollution Control Operating Permit Renewal

Permit Activity Number: BOP190001

Program Interest Number: 17914

Mailing Address	Plant Location
JEFF CLARK PLANT MANAGER ASSOCIATED MATERIALS INC 3773 STATE RD CUYAHOGA FALLS, OH 44223	GENTEK BUILDING PRODUCTS INC 11 Cragwood Rd Avenel Middlesex County

Initial Operating Permit Approval Date: September 12, 2000

Operating Permit Approval Date: DRAFT

Operating Permit Expiration Date:

AUTHORITY AND APPLICABILITY

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

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

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

PERMIT SHIELD

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

COMPLIANCE SCHEDULES

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

COMPLIANCE CERTIFICATIONS AND DEVIATION REPORTS

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

ACCESSING PERMITS

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

HELPLINE

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

RENEWING YOUR OPERATING PERMIT AND APPLICATION SHIELD

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

COMPLIANCE ASSURANCE MONITORING

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

ADMINISTRATIVE HEARING REQUEST

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

If you have any questions regarding this permit approval, please call Michael Mankbadi at (609) 633-2675.

Approved by:

David J. Owen

Enclosure

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

Facility Name: GENTEK BUILDING PRODUCTS INC
Program Interest Number: 17914
Permit Activity Number: BOP190001

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Section A

Facility Name: GENTEK BUILDING PRODUCTS INC

Program Interest Number: 17914

Permit Activity Number: BOP190001

POLLUTANT EMISSIONS SUMMARY

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

Facility's Potential Emissions from all Significant Source Operations (tons per year)										
Source Categories	VOC (total)	NO _x	CO	SO ₂	TSP (total)	PM ₁₀ (total)	PM _{2.5} ² (total)	Pb	HAPs* (total)	CO ₂ e ³
Emission Units Summary	86.7	10.0	25.2	N/A	1.97	1.97	1.97	N/A	6.47	
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	86.7	10.0	25.2	N/A	1.97	1.97	1.97	N/A	6.47	7,161

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

Emissions from all Insignificant Source Operations and Non-Source Fugitive Emissions (tons per year)									
Source Categories	VOC (total)	NO _x	CO	SO ₂	TSP (total)	PM ₁₀ (total)	PM _{2.5} ² (total)	Pb	HAPs (total)
Insignificant Source Operations	1.80	4.77	2.03	0.0300	2.07	2.07	2.07	N/A	N/A
Non-Source Fugitive Emissions	0.750	N/A	N/A	N/A	0.250	0.250	0.250	N/A	N/A

VOC: Volatile Organic Compounds

NO_x: Nitrogen Oxides

CO: Carbon Monoxide

SO₂: Sulfur Dioxide

N/A: Indicates the pollutant is not emitted or is emitted below the reporting threshold specified in N.J.A.C. 7:27-22, Appendix, Table A and N.J.A.C. 7:27-17.9(a).

TSP: Total Suspended Particulates

Other: Any other air contaminant

regulated under the Federal CAA

PM₁₀: Particulates under 10 microns

PM_{2.5}: Particulates under 2.5 microns

Pb: Lead

HAPs: Hazardous Air Pollutants

CO₂e: Carbon Dioxide equivalent

*Emissions of individual HAPs are provided in Table 3 on the next page.

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

¹ Significant Source Operations and Insignificant Source Operations are defined at N.J.A.C. 7:27-22.1.

² PM_{2.5} has been included in air permitting rules as of December 9, 2017. Consequently, PM_{2.5} totals in this section may not be up to date. The Department is in the process of updating these limits during each permit modification, and the entire permit will be updated at the time of permit renewal. [Delete this footnote if PM2.5 is up to date. Also, delete footnote number "2" from both Table 1 and 2.]

³ Total CO₂e emissions for the facility.

Section A

Facility Name: GENTEK BUILDING PRODUCTS INC

Program Interest Number: 17914

Permit Activity Number: BOP190001

POLLUTANT EMISSIONS SUMMARY

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

HAP	TPY
Ethylbenzene	1.60
Ethylene glycol monobutyl	1.81
Formaldehyde	0.0360
Naphthalene	0.586
Xylene	2.44

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

Other Air Contaminant	TPY
N/A	N/A

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

Section B

Facility Name: GENTEK BUILDING PRODUCTS INC

Program Interest Number: 17914

Permit Activity Number: BOP190001

GENERAL PROVISIONS AND AUTHORITIES

1. No permittee shall allow any air contaminant, including an air contaminant detectable by the sense of smell, to be present in the outdoor atmosphere in a quantity and duration which is, or tends to be, injurious to human health or welfare, animal or plant life or property, or which would unreasonably interfere with the enjoyment of life or property. This shall not include an air contaminant that occurs only in areas over which the permittee has exclusive use or occupancy. Requirements relative only to nuisance situations, including odors, are not considered federally enforceable. [N.J.A.C. 7:27-22.16(g)8]
2. Any deviation from operating permit requirements which results in a release of air contaminants shall be reported to the Department as follows:
 - a. If the air contaminants are released in a quantity or concentration which poses a potential threat to public health, welfare or the environment or which might reasonably result in citizen complaints, the permittee shall report the release to the Department:
 - i. Immediately on the Department hotline at 1-(877) 927-6337, pursuant to N.J.S.A. 26:2C-19(e); and
 - ii. As part of the compliance certification required in N.J.A.C. 7:27-22.19(f). However, if the deviation is identified through source emissions testing, it shall be reported through the source emissions testing and monitoring procedures at N.J.A.C. 7:27-22.18(e)3; or
 - b. If the air contaminants are released in a quantity or concentration which poses no potential threat to public health, welfare or the environment and which will not likely result in citizen complaints, the permittee shall report the release to the Department as part of the compliance certification required in N.J.A.C. 7:27-22.19(f), except for deviations identified by source emissions testing reports, which shall be reported through the procedures at N.J.A.C. 7:27-22.18(e)3; or
 - c. If the air contaminants are released in a quantity or concentration which poses no potential threat to public health, welfare or the environment and which will not likely result in citizen complaints, and the permittee intends to assert the affirmative defense afforded by N.J.A.C. 7:27-22.16(l), the violation shall be reported by 5:00 PM of the second full calendar day following the occurrence, or of becoming aware of the occurrence, consistent with N.J.A.C. 7:27-22.16(l). [N.J.A.C. 7:27-22.19(g)1]
3. The permittee shall comply with all conditions of the operating permit including the approved compliance plan. Any non-compliance with a permit condition constitutes a violation of the New Jersey Air Pollution Control Act N.J.S.A. 26:2C-1 et seq., or the CAA, 42 U.S.C. §7401 et seq., or both, and is grounds for enforcement action; for termination, revocation and reissuance, or for modification of the operating permit; or for denial of an application for a renewal of the operating permit. [N.J.A.C. 7:27-22.16(g)1]
4. It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of its operating permit. [N.J.A.C. 7:27-22.16(g)2]
5. This operating permit may be modified, terminated, or revoked for cause by the EPA pursuant to 40 CFR 70.7(g) and revoked or reopened and modified for cause by the Department pursuant to N.J.A.C. 7:27-22.25. [N.J.A.C. 7:27-22.16(g)3]

6. The permittee shall furnish to the Department, within a reasonable time, any information that the Department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this operating permit; or to determine compliance with the operating permit. [N.J.A.C. 7:27-22.16(g)4]
7. The filing of an application for a modification of an operating permit, or of a notice of planned changes or anticipated non-compliance, does not stay any operating permit condition. [N.J.A.C. 7:27-22.16(g)5]
8. The operating permit does not convey any property rights of any sort, or any exclusive privilege. [N.J.A.C. 7:27-22.16(g)6]
9. Upon request, the permittee shall furnish to the Department copies of records required by the operating permit to be kept. [N.J.A.C. 7:27-22.16(g)7]
10.
 - a. For emergencies (as defined at 40 CFR 70.6(g)(1)) that result in non-compliance with any promulgated federal technology-based standard such as NSPS, NESHAPS, or MACT, a federal affirmative defense is available, pursuant to 40 CFR 70. To assert a federal affirmative defense, the permittee must use the procedures set forth in 40 CFR 70. The affirmative defense provisions described below may not be applied to any situation that caused the Facility to exceed any federally delegated regulation, including but not limited to NSPS, NESHAP, or MACT.
 - b. For situations other than those covered above, an affirmative defense is available for a violation of a provision or condition of the operating permit only if:
 - i. The violation occurred as a result of an equipment malfunction, an equipment startup or shutdown, or during the performance of necessary equipment maintenance; and
 - ii. The affirmative defense is asserted and established as required by N.J.S.A. 26:2C-19.1 through 19.5 and any implementing rules. [N.J.A.C. 7:27-22.16(l)]
11. In the event of a challenge to any part of this operating permit, all other parts of the permit shall continue to be valid. [N.J.A.C. 7:27-22.16(f)]
12. Each owner and each operator of any facility, source operation, or activity to which this permit applies is responsible for ensuring compliance with all requirements of N.J.A.C. 7:27-22. If the owner and operator are separate persons, or if there is more than one owner or operator, each owner and each operator is jointly and severally liable for any fees due under N.J.A.C. 7:27-22, and for any penalties for violation of N.J.A.C. 7:27-22. [N.J.A.C. 7:27-22.3]
13. The permittee shall ensure that no air contaminant is emitted from any significant source operation at a rate, calculated as the potential to emit, that exceeds the applicable threshold for reporting emissions set forth in the Appendix to N.J.A.C. 7:27-22 or 7:27-17.9(a), unless emission of the air contaminant is authorized by this operating permit. [N.J.A.C. 7:27-22.3(c)]
14. Consistent with the provisions of N.J.A.C. 7:27-22.3(e), the permittee shall ensure that all requirements of this operating permit are met. In the event that there are multiple emission limitations, monitoring, recordkeeping, and/or reporting requirements for a given source operation, the facility must comply with all requirements, including the most stringent.
15. Consistent with the provisions of N.J.A.C. 7:27-22.3(s), Except as otherwise provided in this subchapter, the submittal of any information or application by a permittee including, but not limited to, an application or notice for any change to the operating permit, including any administrative amendment, any minor or significant modification, renewal, a notice of a seven-day notice change, a notice of past or anticipated noncompliance, does not stay any operating permit condition, nor relieve a permittee from the obligation to obtain other necessary permits and to comply with all applicable Federal, State, and local requirements.

16. Applicable requirements derived from an existing or terminated consent decree with EPA will not be changed without advance consultation by the Department with EPA. N.J.A.C. 7:27-22.3(uu).
17. Unless specifically exempted from permitting, temporary mobile equipment for short-term activities may be periodically used at major facilities, on site for up to 90 days if the requirements listed below, (a) through (h) are satisfied.
 - a. The permittee will ensure that the temporary mobile equipment will not be installed permanently or used permanently on site.
 - b. The permittee will ensure that the temporary mobile equipment will not circumvent any State or Federal rules and regulations, even for a short period of time, and the subject equipment will comply with all applicable performance standards.
 - c. The permittee cannot use temporary mobile equipment unless the owner or operator of the subject equipment has obtained and maintains an approved Air Pollution Control Permit, issued pursuant to N.J.A.C. 7:27-8 or 22, prior to bringing the temporary mobile equipment to operate at the major facility.
 - d. The permittee is responsible for ensuring the temporary mobile equipment's compliance with the terms and conditions specified in its approved Air Pollution Control Permit when the temporary mobile equipment operates on the property of the permittee.
 - e. The permittee will ensure that temporary mobile equipment utilized for short-term activities will not operate on site for more than a total of 90 days during any calendar year.
 - f. The permittee will keep on site a list of temporary mobile equipment being used at the facility with the start date, end date, and record of the emissions from all such equipment (amount and type of each air contaminant) no later than 30 days after the temporary mobile equipment completed its job in accordance with N.J.A.C. 7:27-22.19(i)3.
 - g. Emissions from the temporary mobile equipment must be included in the emission netting analysis required of the permittee by N.J.A.C. 7:27-18.7. This information is maintained on site by the permittee and provided to the Department upon request in accordance with existing applicable requirements in the FC Section of its Title V permit.
 - h. Where short-term activities (employing temporary mobile equipment) will reoccur on at least an annual basis, the permittee is required to include such activities (and the associated equipment) within one year of the first use, in its Title V permit through the appropriate modification procedures.
18. Consistent with the provisions of N.J.A.C. 7:27-22.9(c), the permittee shall use monitoring of operating parameters, where required by the compliance plan, as a surrogate for direct emissions testing or monitoring, to demonstrate compliance with applicable requirements.
19. The permittee is responsible for submitting timely and administratively complete operating permit applications:

Administrative Amendments [N.J.A.C. 7:27-22.20(c)];
Seven-Day Notice changes [N.J.A.C. 7:27-22.22(e)];
Minor Modifications [N.J.A.C. 7:27-22.23(e)];
Significant Modifications [N.J.A.C. 7:27-22.24(e)]; and
Renewals [N.J.A.C. 7:27-22.30(b)].
20. The operating permit renewal application consists of a RADIUS application and the application attachment available at the Department's website <https://dep.nj.gov/boss/applications-and-forms/> (Attachment to the RADIUS Operating Permit Renewal Application). Both the RADIUS application and the Application Attachment, along with any other supporting documents must be submitted using the Department's Portal

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

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

Program Interest Number: 17914

Permit Activity Number: BOP190001

STATE-ONLY APPLICABLE REQUIREMENTS

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

STATE-ONLY APPLICABLE REQUIREMENTS

The following applicable requirements are not federally enforceable:

<u>SECTION</u>	<u>SUBJECT ITEM</u>	<u>ITEM #</u>	<u>REF. #</u>
B	---	1	---
B	---	10b	---
D	FC	---	3
D	FC	---	9

Section D

Facility Name: GENTEK BUILDING PRODUCTS INC

Program Interest Number: 17914

Permit Activity Number: BOP190001

FACILITY SPECIFIC REQUIREMENTS AND INVENTORIES

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Subject Item and Name

Page Number

Facility (FC):

FC

1

Insignificant Sources (IS):

IS NJID	IS Description	
IS1	Maintenance Equipment (Raw material used <= 50 lb/hr)	7
IS3	Welding Equipment (Raw material used <= 50 lb/hr)	
IS4	Maintenance Saw (Raw material used <= 50 lb/hr)	
IS5	Threader (Raw material used <= 50 lb/hr)	
IS7	Sandblaster (Raw material used <= 50lb/hr)	
IS2	Parts Washers (Top opening <= 6 sq ft, capacity <= 100 gal, non-heated, non-conveyorized)	8
IS8	Space Heaters (< 1 MMBtu/hr max. rated heat input)	12

Emission Units (U):

U NJID	U Designation	U Description	
U1001	Coater	Coil Coater and Drying Ovens Subject to NSPS Subpart TT	13
U1002	Dryer	Pretreatment Dryer	40
U1003	Coating	Coating Line Wet Section	42
U1006	Rinse heater	Rinse Tank Heater	43
U1007	Clean heater	Cleaning Tank	45
U1101	Room	Paint Mix/Ready Room	47
U1106	Tank	Wash Tank	49
U1201	Roll Grinder	Roll Grinding of Coating Rolls	55
U3001	Heater	Office Heater	59

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

Permit Being Modified

Permit Class: BOP **Number:** 140002

Description of Modifications: Five Year Renewal Operating Permit BOP190001 with Minor Modification BOP210001

PM-2.5 emissions limits for Emission Unit U1001, Coil Coater and Drying Ovens (U1001), were updated consistent with N.J.A.C. 7:27-22.

HAPs emissions limits were updated for U1001. A total HAPs emissions limit of 6.47 tons/year was added, ethylene glycol mono-n-butyl ether emissions were decreased from 3.0 to 1.81 tons/year, xylene emissions were increased from 2.0 to 2.44 tons/year, naphthalene emissions were added at 0.586 tons/year, ethylbenzene emissions were added at 1.60 tons/year, formaldehyde emissions were added at 0.0360 tons/year. Monitoring and recordkeeping requirements for HAPs tons/year emission limits were added for U1001.

VOC hourly emissions rates were updated for U1001. U1001:OS1011 and OS1015, Primer surface coating of metal controlled by regenerative thermal oxidizer (RTO), rates were added at 1.20 lb/hr; U1001:OS1012 and OS1016, Backer surface coating of metal controlled by RTO, rates were added at 0.700 lb/hr; U1001:OS1013 and OS1017, Topcoat surface coating of metal controlled by RTO, rates were added at 1.60 lb/hr. U1001:OS Summary rate of 33.5 lb/hr was reduced to 3.2 lb/hr. Annual monitoring and recordkeeping requirements were added.

A maximum VOC content of coating of 6.95 lb/gal requirement was added at U1001.

Annual, hourly, and daily coating usage rates were updated for U1001. For the primer surface coating, U1001:OS1011 and 1015, hourly usage was increased from 25 to 39.5 gal/hr; daily usage was increased from 600 to 948 gal/day; annual usage was reduced from 87,500 to 47,374 gal per any consecutive 12 month period. For the backer surface coating, U1001:OS1012 and 1016, hourly usage was increased from 30 to 125.6 gal/hr; daily usage was increased from 720 to 3024 gal/day; annual usage was reduced from 105,000 to 75,332 gal per any consecutive 12 month period. For the topcoat surface coating, hourly usage was increased from 150 to 224.6 gal/hr; daily usage was increased from 3,600 to 5,390 gal/day; annual usage was reduced from 990,000 to 269,510 gal per any consecutive 12 month period.

N.J.A.C. 7:27-6.2(a) particulate emissions limits were corrected. For U1001, the emissions rate was reduced from 5.37 to 2.87 lb/hr. For U1003, Coating Wet Line Section, an emissions rate of 0.67 lb/hr was added. For U3001, 1.2 MMBTU/hr Office heater, the emissions rate was increased from 0.05 to 0.72 lb/hr.

The CO₂e was corrected from 4,785 tons/year to 7,161 tons/year.

BOP190001

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

Subject Item: FC

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

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

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

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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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Facility Specific Requirements**

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

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New Jersey Department of Environmental Protection
Facility Specific Requirements

Subject Item: IS1 Maintenance Equipment (Raw material used <= 50 lb/hr), IS3 Welding Equipment (Raw material used <= 50 lb/hr), IS4 Maintenance Saw (Raw material used <= 50 lb/hr), IS5 Threader (Raw material used <= 50 lb/hr), IS6 Cardboard Compactor/Baler (Raw material used <= 50 lb/hr), IS7 Sandblaster (Raw material used <= 50 lb/hr)

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

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

Subject Item: IS2 Parts Washers (Top opening <= 6 sq ft, capacity <= 100 gal, non-heated, non- conveyorized)

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 a 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. The label shall list the operating requirements specified 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 cleaning machine shall be equipped with a tightly fitting working-mode cover that shall be kept closed at all times except when parts are placed into or being removed from the machine or when solvent is being added or removed. [N.J.A.C. 7:27-16.6(j)1iii1]	None.	None.	None.
4	The cleaning machine shall be equipped with a tightly fitting working-mode cover that shall be kept closed at all times except when parts are placed into or being removed from the machine or when solvent is being added or removed. A perforated drain with a diameter of not more than six inches shall constitute an acceptable cover. [N.J.A.C. 7:27-16.6(j)1iii1]	None.	None.	None.
5	The machine is shall be equipped with a thermostat. [N.J.A.C. 7:27-16.6(j)1iii2]	None.	None.	None.
6	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
7	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.
8	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 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.
9	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.
10	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.
11	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 shall not be used. [N.J.A.C. 7:27-16.6(j)2vi]	None.	None.	None.
12	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.

IS2 Parts Washers (Top opening <= 6 sq ft, capacity <= 100 gal, non-heated..

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Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
13	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.
14	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.
15	The solvent shall be maintained at a temperature below its boiling point. [N.J.A.C. 7:27-16.6(j)2x]	None.	None.	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
16	The permittee shall not use any solvent that has a vapor pressure of one millimeter of mercury or greater, measured at 20 degrees Celsius (68 degrees Fahrenheit). [N.J.A.C. 7:27-16.6(j)3]	None.	<p>Recordkeeping by manual logging of parameter or storing data in a computer data system per change of material. The permittee shall maintain, for not less than two years after the date of purchase of solvent for use in the machine, the information specified below and shall, upon the request of the Department or its representative, provide the information to the Department:</p> <p>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</p> <p>A list of VOC(s) and their concentration information in the solvent;</p> <p>Information about each VOC. A Safety Data Sheet (SDS) may be used to satisfy this requirement;</p> <p>The solvent's product number assigned by the manufacturer; and</p> <p>The vapor pressure of the solvent measured in millimeters of mercury at 20 degrees Celsius (68 degrees Fahrenheit). [N.J.A.C. 7:27-16.6(j)4]</p>	None.
17	Solvent must contain no greater than 5% by weight of combination of methylene chloride, trichloroethylene, 1,1,1-trichloroethane, carbon tetrachloride and chloroform, or any combination of these halogenated HAP solvents, as a cleaning and/or drying agent. [N.J.A.C. 7:27-22.16(a)]	Other: Confirm by MSDS or bill of lading at time of filling.[N.J.A.C. 7:27-22.16(o)].	Recordkeeping by invoices / bills of lading / certificate of analysis annually. [N.J.A.C. 7:27-22.16(a)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Subject Item: IS8 6 Space Heaters (< 1 MMBtu/hr max. rated heat input)

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

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

Emission Unit: U1001 Coil Coater and Drying Ovens Subject to NSPS Subpart TT

Subject Item: CD1020 Regenerative Thermal Oxidizer

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	VOC Control Efficiency $\geq 90\%$ control and $\geq 90\%$ capture. [N.J.A.C. 7:27-16.17(q)]	VOC Control Efficiency: Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs. See stack test requirements U1001, OS Summary. [N.J.A.C. 7:27-22.16(o)]	VOC Control Efficiency: Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). See stack test requirements elsewhere in U1001: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 requirements elsewhere in U1001:OS Summary. [N.J.A.C. 7:27-22.16(o)]
2	VOC Control Efficiency $\geq 96\%$ by weight of the emissions entering the control device at all times any surface coater or drying oven is operating using RTO (CD1020) for emissions control. [N.J.A.C. 7:27-22.16(a)]	VOC Control Efficiency: Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs. See stack test requirements U1001, OS Summary. [N.J.A.C. 7:27-22.16(o)]	VOC Control Efficiency: Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). See stack test requirements U1001, 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 requirements U1001, OS Summary. [N.J.A.C. 7:27-22.16(o)]
3	The thermal oxidizer (CD1020) shall be designed to operate at a VOC Destruction Efficiency $\geq 99\%$ [N.J.A.C. 7:27-22.16(a)]	None.	Other: Maintain design documents.[N.J.A.C. 7:27-22.16(o)].	None.
4	Flowrate $\geq 40,000$ and Flowrate $\leq 80,000$ Cubic feet per minute. [N.J.A.C. 7:27-22.16(a)]	None.	Other: Maintain records of the design flow rate.[N.J.A.C. 7:27-22.16(o)].	None.
5	Residence Time ≥ 0.5 seconds. [N.J.A.C. 7:27-22.16(a)]	None.	Other: Maintain design documents.[N.J.A.C. 7:27-22.16(o)].	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
6	Temperature at Exit of Combustion Chamber \geq 1,500 degrees F minimum during coating operations using RTO (CD1020) for emissions control. [N.J.A.C. 7:27-22.16(a)]	Temperature at Exit of Combustion Chamber: Monitored by temperature instrument continuously. The permittee shall install, calibrate and maintain the monitor(s) in accordance with the manufacturer's specifications. The monitor(s) shall be ranged such that the allowable value is approximately mid-scale of the full range current/voltage output. Oxidizer shall have a temperature monitor and recorder with alarm to continuously record the operating temperature at the exit of the combustion chamber. The sensor shall be properly shielded from direct contact with the flame. The alarm shall be designed to sound when temperatures are less than the permitted operating temperature. [N.J.A.C. 7:27-22.16(o)]	Temperature at Exit of Combustion Chamber: Recordkeeping by data acquisition system (DAS) / electronic data storage continuously. [N.J.A.C. 7:27-22.16(o)]	None.
7	Maximum Gross Heat Input \leq 8 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22(16)o].	None.
8	Fuel fired in oxidizers limited to natural gas only. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Natural Gas Usage \leq 67.39 MMft ³ per any consecutive 12 months. [N.J.A.C. 7:27-22.16(a)]	Natural Gas Usage: Monitored by gas use totalizing meter continuously. [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. Fuel use for any 12 consecutive months is 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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Facility Specific Requirements

Emission Unit: U1001 Coil Coater and Drying Ovens Subject to NSPS Subpart TT
Operating Scenario: OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Summary of applicable federal regulations: 40 CFR 60 Subpart A 40 CFR 60 Subpart TT [40 CFR Federal Rules Summary]	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 no later than every five years (see General Provisions) from the last stack test using an approved protocol to demonstrate compliance with emission limits for NO_x, CO, CO (ppm), THC (ppmvd) and VOC control efficiency as specified in the compliance plan for U1001:OS Summary and CD1020.</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 NO_x 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.</p> <p>[N.J.A.C. 7:27-22.16(a)]</p>	<p>Other: Monitoring as required under the applicable operating scenario(s).</p> <p>[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 no later than 12 months prior to the completion of the five year period since the last stack test. The protocol and test report must be prepared and submitted on a CD using the Electronic Reporting Tool (ERT), unless another format is approved by EMS. The ERT program can be downloaded at: https://www.epa.gov/chief. Within 30 days of protocol approval or no less than 60 days prior to the testing deadline, whichever is later, the permittee must contact EMS at 609-984-3443 to schedule a mutually acceptable test date.</p> <p>A full stack test report must be submitted to EMS and a certified summary test report must be submitted to the Regional Enforcement Office within 45 days after performing the stack test pursuant to N.J.A.C. 7:27-22.19(d). The test results must be certified by a licensed professional engineer or certified industrial hygienist. [N.J.A.C. 7:27-22.18(e)] and . [N.J.A.C. 7:27-22.18(h)]</p>

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
3	CEMS/COMS REQUIREMENTS SUMMARY 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. The Permittee shall request approval from the Department's Emission Measurement Section (EMS) to allow continued use of the existing CEMS when a change to the units of measurement is made to a permit limit. [N.J.A.C. 7:27-22.16(a)]	None.	Other: Maintain readily accessible records of the Permittee's written request to EMS, and the response from EMS. [N.J.A.C. 7:27-22.16(o)].	Comply with the requirement: Upon occurrence of event Submit a written request to the EMS within 30 days from the date of the approved operating permit to determine whether a full CEMS recertification is required, whether the change can follow the procedures for data recording and storage equipment upgrades found in the Department's Technical Manual 1005 Section IV.B.3(f), or if continued use of the existing CEMS is allowed. [N.J.A.C. 7:27-22]
4	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 data and quarterly reports. [N.J.A.C. 7:27-22.16(o)].	None.
5	Particulate Emissions \leq 2.87 lb/hr based on 0.02 grains per standard cubic foot. [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
6	VOC Content of Any Surface Coating Formulation as Applied \leq 6.95 lb/gal. [N.J.A.C. 7:27-22.16(a)]	None.	VOC Content of Any Surface Coating Formulation as Applied: Recordkeeping by invoices / bills of lading / certificate of analysis continuously. [N.J.A.C. 7:27-22.16(o)]	None.
7	CO \leq 100 ppm @ 7% O ₂ or \leq 50 ppm @ \geq 14% O ₂ . [N.J.A.C. 7:27-22.16(a)]	CO: Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs. See stack test requirements U1001, OS Summary. [N.J.A.C. 7:27-22.16(o)]	CO: Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). See stack test requirements U1001, OS Summary. [N.J.A.C. 7:27-22.16(o)]	Submit a report: As per the approved schedule. See stack test requirements U1001, 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
8	THC Concentration: The Total Hydrocarbon (THC) emission rate shall be no more than 5 percent of the THC entering the RTO (CD1020), or 50 ppmvd expressed as methane and including methane corrected to 7% oxygen, averaged over any consecutive 60 minute period. For oxygen concentrations in the flue gas greater than 14%, the maximum allowable emission rate of THC is 25 ppmvd uncorrected, or 5 percent of the inlet THC, whichever is higher. [N.J.A.C. 7:27-22.16(a)]	THC Concentration: Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the averaging period as per approved sampling protocol. See stack test requirements U1001, OS Summary. [N.J.A.C. 7:27-22.16(o)]	THC Concentration: Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). See stack test requirements U1001, 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 requirements U1001, OS Summary. [N.J.A.C. 7:27-22.16(o)]
9	THC Concentration <= 375 ppmvd. [N.J.A.C. 7:27-22.16(a)]	THC Concentration: Monitored by continuous emission monitoring system continuously. [N.J.A.C. 7:27-22.16(o)]	THC Concentration: Recordkeeping by data acquisition system (DAS) / electronic data storage continuously. [N.J.A.C. 7:27-22.16(o)]	Submit an Excess Emissions and Monitoring Systems Performance Report (EEMPR): 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. See CEMS and QA/QC requirements in OS Summary. [N.J.A.C. 7:27-22.16(o)]
10	Shut down of the thermal oxidizer (CD1020) shall occur not in less than 15 minutes after shut-down of the coating operation, in order to purge the air handling system [N.J.A.C. 7:27-22.16(a)]	None.	Recordkeeping by production records upon occurrence of event. Record the shutdown time period (the start and the end time) of the thermal oxidizer. [N.J.A.C. 7:27-22.16(o)]	None.
11	Flowrate <= 30,000 SCFM. [N.J.A.C. 7:27-22.16(a)]	Flowrate: Monitored by gas flow rate instrument continuously. [N.J.A.C. 7:27-22.16(o)]	Flowrate: Recordkeeping by data acquisition system (DAS) / electronic data storage continuously. [N.J.A.C. 7:27-22.16(o)]	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
12	Maintain records for each coil coating formulation, including each change of diluent or concentration of diluent as applied, of the: (a) Number of hours each formulation was applied; (b) Volume in gallons of each formulation applied; (c) VOC content of each formulation (minus water) as applied, in pounds of VOC per gallon or kilograms of VOC per liter of coating; (d) Percent by weight of any exempt organic substance; (e) Density of each formulation applied; (f) Percent by weight of VOC in each formulation; and (g) Percent by weight of any water in each formulation. [N.J.A.C. 7:27-22.16(a)]	Other: Monitor percent by weight and material feed flow monitoring (liquid) per formulation[N.J.A.C. 7:27-22.16(o)].	Other: Manual logging of coating analysis and usage or storing data in a computer system. Per formulation[N.J.A.C. 7:27-22.16(o)].	None.
13	Fuel fired in drying ovens limited to natural gas only. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
14	VOC (Total) <= 80.8 tons/yr based on coating usage and fuel usage limits. [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(e)]	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 VOC content of 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.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
15	VOC (Total) <= 3.2 lb/hr for all sources combined, OS1011 through OS1018. [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 requirements U1001, 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 requirements U1001, 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 requirements U1001, OSO. [N.J.A.C. 7:27-22.16(o)]
16	NOx (Total) <= 8.61 tons/yr based on coating usage and fuel usage limits. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
17	NOx (Total) <= 2.2 lb/hr for all sources combined, OS1011 through OS1018. [N.J.A.C. 7:27-22.16(a)]	NOx (Total): Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs. See stack test requirements U1001, OS Summary. [N.J.A.C. 7:27-22.16(o)]	NOx (Total): Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). See stack test requirements U1001, OSO. [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 requirements U1001, OSO. [N.J.A.C. 7:27-22.16(o)]
18	CO <= 25.2 tons/yr based on coating usage and fuel usage limits. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
19	CO <= 6.54 lb/hr for all sources combined, OS1011 through OS1018. [N.J.A.C. 7:27-22.16(a)]	CO: Monitored by stack emission testing every 5 years (based on completion date of the last stack test), based on the average of three Department validated stack test runs. See stack test requirements U1001, OS Summary. [N.J.A.C. 7:27-22.16(o)]	CO: Recordkeeping by stack test results every 5 years (based on completion date of the last stack test). See stack test requirements U1001, OSO. [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 requirements U1001, OSO. [N.J.A.C. 7:27-22.16(o)]
20	TSP <= 1.97 tons/yr based on coating usage and fuel usage limits. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
21	TSP <= 0.51 lb/hr for all sources combined, OS1011 through OS1018. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
22	PM-10 (Total) <= 1.97 tons/yr based on coating usage and fuel usage limits. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
23	PM-10 (Total) <= 0.51 lb/hr for all sources combined, OS1011 through OS1018. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
24	PM-2.5 (Total) <= 1.97 tons/yr based on emissions limit of PM-10. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
25	PM-2.5 (Total) \leq 0.51 lb/hr for all sources combined, OS1011 through OS1018, based on emissions limit of PM-10. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
26	HAPs (Total) \leq 6.47 tons/yr based on coating usage and fuel usage limits. [N.J.A.C. 7:27-22.16(a)]	HAPs (Total): Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). Permittee shall monitor the HAP content of each HAP for each coating type. Annual emissions shall be calculated for each HAP based on the HAP content of coating and total volume of coating used during each consecutive 12 month period. [N.J.A.C. 7:27-22.16(o)]	HAPs (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. Permittee shall record the HAP content of coating, the amount of coating used and the calculated annual emissions of each HAP for each coating type during every consecutive 12 month period. [N.J.A.C. 7:27-22.16(e)]	None.
27	Ethylene glycol mono-n-butyl ether (butyl cellosolve) \leq 1.81 tons/yr based on coating usage and fuel usage limits. [N.J.A.C. 7:27-22.16(a)]	Ethylene glycol mono-n-butyl ether (butyl cellosolve): Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). Permittee shall monitor the HAP content of each HAP for each coating type. Annual emissions shall be calculated for each HAP based on the HAP content of coating and total volume of coating used during each consecutive 12 month period. [N.J.A.C. 7:27-22.16(o)]	Ethylene glycol mono-n-butyl ether (butyl cellosolve): Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. Permittee shall record the HAP content of coating, the amount of coating used and the calculated annual emissions of each HAP for each coating type during every consecutive 12 month period. [N.J.A.C. 7:27-22.16(o)]	None.
28	Ethylene glycol mono-n-butyl ether (butyl cellosolve) \leq 1.5 lb/hr for all sources combined, OS1011 through OS1018. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
29	Ethylbenzene \leq 1.6 tons/yr based on coating usage and fuel usage limits. [N.J.A.C. 7:27-22.16(a)]	Ethylbenzene: Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). Permittee shall monitor the HAP content of each HAP for each coating type. Annual emissions shall be calculated for each HAP based on the HAP content of coating and total volume of coating used during each consecutive 12 month period. [N.J.A.C. 7:27-22.16(o)]	Ethylbenzene: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. Permittee shall record the HAP content of coating, the amount of coating used and the calculated annual emissions of each HAP for each coating type during every consecutive 12 month period. [N.J.A.C. 7:27-22.16(o)]	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
30	Ethylbenzene <= 1.33 lb/hr for all sources combined, OS1011 through OS1018. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
31	Formaldehyde <= 0.036 tons/yr based on coating usage and fuel usage limits. [N.J.A.C. 7:27-22.16(a)]	Formaldehyde: Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). Permittee shall monitor the HAP content of each HAP for each coating type. Annual emissions shall be calculated for each HAP based on the HAP content of coating and total volume of coating used during each consecutive 12 month period. [N.J.A.C. 7:27-22.16(o)]	Formaldehyde: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. Permittee shall record the HAP content of coating, the amount of coating used and the calculated annual emissions of each HAP for each coating type during every consecutive 12 month period. [N.J.A.C. 7:27-22.16(o)]	None.
32	Formaldehyde <= 0.03 lb/hr for all sources combined, OS1011 through OS1018. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
33	Naphthalene <= 0.586 tons/yr based on coating usage and fuel usage limits. [N.J.A.C. 7:27-22.16(a)]	Naphthalene: Monitored by calculations each month during operation, based on a consecutive 12 month period (rolling 1 month basis). Permittee shall monitor the HAP content of each HAP for each coating type. Annual emissions shall be calculated for each HAP based on the HAP content of coating and total volume of coating used during each consecutive 12 month period. [N.J.A.C. 7:27-22.16(o)]	Naphthalene: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. Permittee shall record the HAP content of coating, the amount of coating used and the calculated annual emissions of each HAP for each coating type during every consecutive 12 month period. [N.J.A.C. 7:27-22.16(o)]	None.
34	Naphthalene <= 0.38 lb/hr for all sources combined, OS1011 through OS1018. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
35	Xylene <= 2.44 tons/yr based on coating usage and fuel usage limits. [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). Permittee shall monitor the HAP content of each HAP for each coating type. Annual emissions shall be calculated for each HAP based on the HAP content of coating and total volume of coating used during each consecutive 12 month period. [N.J.A.C. 7:27-22.16(o)]	Xylene: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. Permittee shall record the HAP content of coating, the amount of coating used and the calculated annual emissions of each HAP for each coating type during every consecutive 12 month period. [N.J.A.C. 7:27-22.16(o)]	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
36	Xylene <= 1.81 lb/hr for all sources combined, OS1011 through OS1018. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
37	All requests, reports, applications, submittals, and other communications to the Administrator pursuant to Part 60 shall be submitted in duplicate to the Regional Office of US Environmental Protection Agency. Submit information to: Director, Division of Enforcement & Compliance Assistance, US EPA, Region 2, 290 Broadway, New York, NY 10007-1866. (NSPS Subpart A). [40 CFR 60.4(a)]	None.	None.	Submit a report: As per the approved schedule to EPA Region II as required by 40 CFR 60. [40 CFR 60.4(a)]
38	Copies of all information submitted to EPA pursuant to 40 CFR Part 60, must also be submitted to the appropriate Regional Enforcement Office of NJDEP. (NSPS Subpart A). [40 CFR 60.4(b)]	None.	None.	Submit a report: As per the approved schedule to the appropriate Regional Enforcement Office of NJDEP as required by 40 CFR 60. [40 CFR 60.4(b)]
39	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. (NSPS Subpart A). [40 CFR 60.7(a)(1)]	None.	None.	Submit notification: Upon occurrence of event to EPA Region II and the appropriate Regional Enforcement Office of NJDEP as required by 40 CFR 60.7 [40 CFR 60.7(a)(1)]
40	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. (NSPS Subpart A). [40 CFR 60.7(a)(3)]	None.	None.	Submit notification: Upon occurrence of event to EPA Region II and the appropriate Regional Enforcement Office of NJDEP as required by 40 CFR 60.7 [40 CFR 60.7(a)(3)]

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
41	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 section 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. (NSPS Subpart A). [40 CFR 60.7(a)(4)]	None.	None.	Submit notification: Upon occurrence of event to EPA Region II and the appropriate Regional Enforcement Office of NJDEP as required by 40 CFR 60.7 [40 CFR 60.7(a)(4)]
42	The owner or operator shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility, any malfunction of air pollution control equipment or any periods during which continuous monitoring system or monitoring device is inoperative. (NSPS Subpart A). [40 CFR 60.7(b)]	None.	Recordkeeping by manual logging of parameter upon occurrence of event. The records should be kept in a permanent form suitable for inspections. [40 CFR 60.7(b)]	Submit an Excess Emissions and Monitoring Systems Performance Report (EEMPR): Semi-annually beginning on the 30th day of the 6th month following initial performance tests. The report shall contain the information required in 40 CFR 60.7(b) and be postmarked by the 30th day following the end of each six-month period. The report shall be submitted to the EPA Region 2 Administrator and the appropriate Regional Enforcement Office of NJDEP and be in the format specified at 40 CFR Part 60.7(c) and 40 CFR Part 60.7(d). [40 CFR 60.7(C)]

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
43	The owner or operator shall maintain a file, suitable for inspection, of all monitoring measurements as indicated in Recordkeeping Requirement column. (NSPS Subpart A). [40 CFR 60.7(f)]	None.	Other: The file shall include all measurements (including continuous monitoring system, monitoring device, and performance testing measurements), all continuous monitoring system performance evaluations, all continuous monitoring system or monitoring device calibration checks, all adjustments/maintenance performed on these systems or devices, and all other information required by 40 CFR Part 60 recorded in a permanent form suitable for inspection. The file shall be retained for at least two years following the dates of the record, except as prescribed in 40 CFR 60.7(f)(1) through (3). Sources subject to 40 CFR 70, are required to retain records of all required monitoring data and support information for a period of at least 5 years from the date of the monitoring sample, measurement, report, or application, per 40 CFR 70.6(a)(3)(ii)(B).[40 CFR 60.7(f)].	None.
44	Within 60 days after achieving the maximum production rate at which the affected facility will operate, but not later than 180 days after initial startup of the facility, the owner or operator shall conduct performance test(s) and shall furnish the Administrator a written report of the results. (NSPS Subpart A). [40 CFR 60.8(a)]	None.	None.	Submit a report: At a common schedule agreed upon by the operator and the Administrator. The owner or operator shall submit results of the performance test(s) to the Administrator. [40 CFR 60.8(a)]
45	The owner or operator shall conduct performance tests and data reduced in accordance with the test methods and procedures contained in each applicable subpart, unless otherwise specified and approved by the Administrator. (NSPS Subpart A). [40 CFR 60.8(b)]	None.	None.	None.

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46	Performance tests shall be conducted under conditions the Administrator specifies to the plant operator based on representative performance of the affected facility. Operations during periods of startup, shutdown and malfunction shall not constitute representative conditions for the purpose of the performance test nor shall emissions in excess of the level of the applicable emission limit during periods of startup, shutdown, and malfunction be considered a violation of the applicable emission limit unless otherwise specified in the applicable standard. (NSPS Subpart A). [40 CFR 60.8(c)]	None.	None.	None.
47	Compliance with NSPS standards specified in this permit, other than opacity, shall be determined only by performance tests established by 40 CFR 60.8, unless otherwise specified in NSPS. (NSPS Subpart A). [40 CFR 60.11(a)]	None.	None.	None.
48	At all times, including periods of start-up, shutdown, and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, opacity observations, review of operation and maintenance procedures, and inspection of the source. (NSPS Subpart A). [40 CFR 60.11(d)]	None.	None.	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
49	No owner or operator subject to NSPS standards in Part 60, shall build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere. (NSPS Subpart A). [40 CFR 60.12]	None.	None.	None.
50	The owner or operator shall notify the Administrator of the proposed replacement of components, upon triggering reconstruction as defined at 40 CFR 60.15. (NSPS Subpart A). [40 CFR 60.15]	None.	None.	Submit notification: At a common schedule agreed upon by the operator and the Administrator. The notification shall include information listed under 40 CFR Part 60.15(d). The notification shall be postmarked 60 days (or as soon as practicable) before construction of the replacements is commenced. [40 CFR 60.15(d)]
51	Applicable subpart in 40 CFR Part 60 includes specific provisions which refine and delimit reconstruction as defined in 40 CFR Part 60.15. (NSPS Subpart A). [40 CFR 60.15(g)]	None.	None.	None.
52	Changes in time periods for submittal of information and postmark deadlines set forth in this subpart, may be made only upon approval by the Administrator and shall follow procedures outlined in 40 CFR Part 60.19. (NSPS Subpart A). [40 CFR 60.19]	None.	None.	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
53	VOC (Total) >= 90 % VOC reduction (NSPS Subpart TT). [40 CFR 60.462(a)(3)]	VOC (Total): Monitored by weighted average VOC content calculations each month during operation, based on a 1 month average. Compliance calculations shall follow the procedures specified at 40 CFR Part 60.463(c)3. [40 CFR 60.464(a)]	VOC (Total): Recordkeeping by manual logging of parameter each month during operation. The owner or operator shall record the average VOC content of coatings applied during each calendar month. [40 CFR 60.465(a)]	Submit documentation of compliance: 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 a report 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 60.465(c)]
54	The owner or operator shall conduct initial performance test required under 40 CFR Part 60.8(a). (NSPS Subpart TT). [40 CFR 60.463(b)]	Monitored by weighted average VOC content calculations once initially, based on a 1 month average. Testing methods shall follow the procedures at 40 CFR Part 60.466. Compliance calculations shall follow the procedures specified at 40 CFR Part 60.463(c)2. [40 CFR 60.463(b)]	Recordkeeping by manual logging of parameter once initially. [40 CFR 60.464(a)]	Submit a report: Once initially. The owner or operator shall submit to the Administrator the results of initial compliance testing. The report shall include all information specified at 40 CFR Part 60.465(b)(1) and 465(b)(2). [40 CFR 60.465(b)]
55	The owner or operator shall install, calibrate operate, and maintain a monitoring device that continuously records the combustion temperature of any effluent gases incinerated to achieve compliance with 40 CFR Part 60.462(a)(2), (3), or (4). (NSPS Subpart TT). [40 CFR 60.464(c)]	Monitored by temperature instrument continuously, based on a 3 hour rolling average. [40 CFR 60.464(c)]	Recordkeeping by strip chart, round chart or data acquisition (DAS) system / electronic data storage continuously. [40 CFR 60.464(c)]	
56	The owner or operator shall record periods (during actual coating operations) in excess of 3 hours during which the average temperature in any thermal incinerator remains more than 50 degrees F below the temperature at which compliance was demonstrated during the most recent measurement of incinerator efficiency required by 40 CFR Part 60.8. (NSPS Subpart TT). [40 CFR 60.464(c)]		Recordkeeping by manual logging of parameter upon occurrence of event. Records required by 40 CFR Part 60.7 shall identify each such occurrence and its duration. [40 CFR 60.464(c)]	Submit a report: At a common schedule agreed upon by the operator and the Administrator. The owner or operator shall report to the Administrator, at the frequency specified at 40 CFR Part 60.7(c) all instances when the incinerator temperature drops as specified. If no such periods occur, the owner or operator shall state this in the report. [40 CFR 60.465(d)]

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
57	The owner or operator shall identify each instance in which the volume weighted average of the local mass of VOCs emitted to the atmosphere per volume of applied coating solids (N) is greater than the approved limit. (NSPS Subpart TT). [40 CFR 60.465(c)]		Recordkeeping by manual logging of parameter upon occurrence of event. Records of each occurrence shall be maintained. [40 CFR 60.465(c)]	Submit a report: At a common schedule agreed upon by the operator and the Administrator. A report shall be submitted to the Administrator quarterly of each instance of exceedence. If no such instances occur during a particular quarter, a report stating this shall be submitted to the Administrator semiannually. [40 CFR 60.465(c)]
58	The owner or operator shall maintain records of all data and calculations used to determine compliance with the monthly emission limit. (NSPS Subpart TT). [40 CFR 60.465(e)]		Recordkeeping by manual logging of parameter each month during operation. Records shall be maintained at the source for a period of at least 2 years. [40 CFR 60.465(e)]	
59	The owner or operator shall maintain of incinerator combustion temperature. (NSPS Subpart TT). [40 CFR 60.465(e)]		Recordkeeping by strip chart, round chart or data acquisition (DAS) system / electronic data storage daily. Records shall be maintained at the source for a period of at least 2 years. [40 CFR 60.465(e)]	

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Facility Specific Requirements**

Emission Unit: U1001 Coil Coater and Drying Ovens Subject to NSPS Subpart TT

Operating Scenario: OS1011 PRIMER E1001 - Surface coating of metal controlled by RTO (CD1020), OS1015 PRIMER E1009 - Surface coating of metal controlled by RTO (CD1020)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Opacity <= 20 % , exclusive of condensed water vapor, except for 3 minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-6.2(d)] and [N.J.A.C. 7:27- 6.2(e)]	None.	None.	None.
2	No Visible Emissions, exclusive of condensed water vapor, except for no more than 3 minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-22.16(a)]	Monitored by visual determination each month during operation. Conduct visual 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 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)]	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.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
3	Coating Usage <= 39.5 gal/hr , as applied, for each primer coating operating scenario (OS1011 & OS1015). [N.J.A.C. 7:27-22.16(a)]	Other: Monitor coating usage[N.J.A.C. 7:27-22.16(o)].	Coating Usage: Recordkeeping by production records daily. Production records shall include the pounds or gallons (as appropriate) of coating consumed determined by weight or ullage measurement, recorded each day of production. [N.J.A.C. 7:27-22.16(o)]	None.
4	Coating Usage <= 948 gallons /day , as applied, for each primer coating operating scenario (OS1011 & OS1015). [N.J.A.C. 7:27-22.16(a)]	Other: Monitor coating usage[N.J.A.C. 7:27-22.16(o)].	Coating Usage: Recordkeeping by production records daily. Production records shall include the pounds or gallons (as appropriate) of coating consumed determined by weight or ullage measurement, recorded each day of production. [N.J.A.C. 7:27-22.16(o)]	None.
5	Coating Usage <= 47,374 gallons , as applied, for each primer coating operating scenario (OS1011 & OS1015) during any consecutive 12 month period. [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). [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 permittee shall maintain records documenting total coating usage. Gallons for the 12 consecutive calendar months is computed by adding the total coating applied in a given month to that applied in the preceding 11 months. This procedure shall begin with the first full day following the final issuance of this operating permit. This accounting shall not include coating applied during months prior to the approval of this significant modification of the operating permit. [N.J.A.C. 7:27-22.16(o)]	None.
6	Hours of Operation <= 3,500 hr/yr for each primer coating operating scenario (OS1011 & OS1015). [N.J.A.C. 7:27-22.16(a)]	Hours of Operation: Monitored by hour/time monitor each month during operation, based on a consecutive 12 month period (rolling 1 month basis). The permittee shall install, calibrate and maintain the monitor(s) in accordance with the manufacturer's specifications. The monitor(s) shall be ranged such that the allowable value is approximately mid-scale of the full range current/voltage output. [N.J.A.C. 7:27-22.16(o)]	Hours of Operation: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The hours during any one month shall be added to any 12 consecutive months, computed by adding the hours in a given month to that calculated in the preceding 11 months. [N.J.A.C. 7:27-22.16(o)]	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	VOC (Total) <= 1.2 lb/hr. [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by calculations once per calendar day during operation, based on a 24 hour period. 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 once per calendar day during operation . [N.J.A.C. 7:27-22.16(o)]	None.

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Facility Specific Requirements**

Emission Unit: U1001 Coil Coater and Drying Ovens Subject to NSPS Subpart TT

Operating Scenario: OS1012 BACKER E1001 - Surface coating of metal controlled by RTO (CD1020), OS1016 BACKER E1009 - Surface coating of metal controlled by RTO (CD1020)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Opacity <= 20 % , exclusive of condensed water vapor, except for 3 minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-6.2(d)] and [N.J.A.C. 7:27- 6.2(e)]	None.	None.	None.
2	No Visible Emissions, exclusive of condensed water vapor, except for no more than 3 minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-22.16(a)]	<p>Monitored by visual determination each month during operation. Conduct visual 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:</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. (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.

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Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
3	Coating Usage <= 125.6 gal/hr , as applied, for each backer coating operating scenario (OS1012 & OS1016). [N.J.A.C. 7:27-22.16(a)]	Other: Monitor coating usage[N.J.A.C. 7:27-22.16(o)].	Coating Usage: Recordkeeping by production records daily. Production records shall include the pounds or gallons (as appropriate) of coating consumed determined by weight or ullage measurement, recorded each day of production. [N.J.A.C. 7:27-22.16(o)]	None.
4	Coating Usage <= 3,024 gallons /day, as applied, for each backer coating operating scenario (OS1012 & OS1016). [N.J.A.C. 7:27-22.16(a)]	Other: Monitor coating usage[N.J.A.C. 7:27-22.16(o)].	Coating Usage: Recordkeeping by production records daily. Production records shall include the pounds or gallons (as appropriate) of coating consumed determined by weight or ullage measurement, recorded each day of production. [N.J.A.C. 7:27-22.16(o)]	None.
5	Coating Usage <= 75,332 gallons , as applied, for each backer coating operating scenario (OS1012 & OS1016) during any consecutive 12 month period. [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). [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 permittee shall maintain records documenting total coating usage. Gallons for the 12 consecutive calendar months is computed by adding the total coating applied in a given month to that applied in the preceding 11 months. This procedure shall begin with the first full day following the final issuance of this operating permit. This accounting shall not include coating applied during months prior to the approval of this significant modification of the operating permit. [N.J.A.C. 7:27-22.16(o)]	None.
6	Hours of Operation <= 3,500 hr/yr for each backer coating operating scenario (OS1012 & OS1016). [N.J.A.C. 7:27-22.16(a)]	Hours of Operation: Monitored by hour/time monitor each month during operation, based on a consecutive 12 month period (rolling 1 month basis). The permittee shall install, calibrate and maintain the monitor(s) in accordance with the manufacturer's specifications. The monitor(s) shall be ranged such that the allowable value is approximately mid-scale of the full range current/voltage output. [N.J.A.C. 7:27-22.16(o)]	Hours of Operation: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The hours during any one month shall be added to any 12 consecutive months, computed by adding the hours in a given month to that calculated in the preceding 11 months. [N.J.A.C. 7:27-22.16(o)]	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	VOC (Total) <= 0.7 lb/hr. [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by calculations once per calendar day during operation, based on a 24 hour period. 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 once per calendar day during operation. [N.J.A.C. 7:27-22.16(o)]	None.

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Facility Specific Requirements**

Emission Unit: U1001 Coil Coater and Drying Ovens Subject to NSPS Subpart TT

Operating Scenario: OS1013 TOPCOAT E1001 Surface coating of metal controlled by RTO (CD1020), OS1017 TOPCOAT E1009 Surface coating of metal controlled by RTO (CD1020)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Opacity <= 20 % , exclusive of condensed water vapor, except for 3 minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-6.2(d)] and [N.J.A.C. 7:27- 6.2(e)]	None.	None.	None.
2	No Visible Emissions, exclusive of condensed water vapor, except for no more than 3 minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-22.16(a)]	<p>Monitored by visual determination each month during operation. Conduct visual 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:</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. (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.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
3	Coating Usage <= 224.6 gal/hr , as applied, for each topcoat coating operating scenario (OS1013 & OS1017). [N.J.A.C. 7:27-22.16(a)]	Other: Monitor coating usage[N.J.A.C. 7:27-22.16(o)].	Coating Usage: Recordkeeping by production records daily. Production records shall include the pounds or gallons (as appropriate) of coating consumed determined by weight or ullage measurement, recorded each day of production. [N.J.A.C. 7:27-22.16(o)]	None.
4	Coating Usage <= 5,390 gallons /day, as applied, for each topcoat coating operating scenario (OS1013 & OS1017). [N.J.A.C. 7:27-22.16(a)]	Other: Monitor coating usage[N.J.A.C. 7:27-22.16(o)].	Coating Usage: Recordkeeping by production records daily. Production records shall include the pounds or gallons (as appropriate) of coating consumed determined by weight or ullage measurement, recorded each day of production. [N.J.A.C. 7:27-22.16(o)]	None.
5	Coating Usage <= 269,510 gallons , as applied, for each topcoat coating operating scenario (OS1013 & OS1017) during any consecutive 12 month period. [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). [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 permittee shall maintain records documenting total coating usage. Gallons for the 12 consecutive calendar months is computed by adding the total coating applied in a given month to that applied in the preceding 11 months. This procedure shall begin with the first full day following the final issuance of this operating permit. This accounting shall not include coating applied during months prior to the approval of this significant modification of the operating permit. [N.J.A.C. 7:27-22.16(o)]	None.
6	Hours of Operation <= 6,600 hr/yr for each topcoat coating operating scenario (OS1013 & OS1017). [N.J.A.C. 7:27-22.16(a)]	Hours of Operation: Monitored by hour/time monitor each month during operation, based on a consecutive 12 month period (rolling 1 month basis). The permittee shall install, calibrate and maintain the monitor(s) in accordance with the manufacturer's specifications. The monitor(s) shall be ranged such that the allowable value is approximately mid-scale of the full range current/voltage output. [N.J.A.C. 7:27-22.16(o)]	Hours of Operation: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The hours during any one month shall be added to any 12 consecutive months, computed by adding the hours in a given month to that calculated in the preceding 11 months. [N.J.A.C. 7:27-22.16(o)]	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	VOC (Total) <= 1.6 lb/hr. [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Monitored by calculations once per calendar day during operation, based on a 24 hour period. 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 once per calendar day during operation. [N.J.A.C. 7:27-22.16(o)]	None.

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Facility Specific Requirements**

Emission Unit: U1001 Coil Coater and Drying Ovens Subject to NSPS Subpart TT

Operating Scenario: OS1014 Drying of coated metal - controlled by RTO (CD1020), OS1018 Drying of coated metal - controlled by RTO (CD1020)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	No visible emissions exclusive of condensed water vapor, except for no more than 3 minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-3.2(a)] and [N.J.A.C. 7:27-3.2(c)]	None.	None.	None.
2	Maximum Gross Heat Input ≤ 7.6 MMBTU/hr (HHV) per dryer. [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	Dryer fuel limited to natural gas. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Natural Gas Usage ≤ 51 MMft ³ per dryer, per any consecutive 12-month period. [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). The permittee shall install, calibrate and maintain the monitor(s) in accordance with the manufacturer's specifications. [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 annually. Fuel use for any 12 consecutive months is 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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Facility Specific Requirements**

Emission Unit: U1002 Pretreatment Dryer

Operating Scenario: OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	No visible emissions exclusive of condensed water vapor, except for no more than 3 minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-3.2(a)] and [N.J.A.C. 7:27-3.2(c)]	None.	None.	None.
2	Hours of Operation <= 7,700 hr/yr. [N.J.A.C. 7:27-22.16(e)]	Hours of Operation: Monitored by hour/time monitor continuously, based on a consecutive 12 month period (rolling 1 month basis). The permittee shall install, calibrate and maintain the monitor(s) in accordance with the manufacturer's specifications. The monitor(s) shall be ranged such that the allowable value is approximately mid-scale of the full range current/voltage output. [N.J.A.C. 7:27-22.16(e)]	Hours of Operation: Recordkeeping by manual logging of parameter or storing data in a computer data system annually. The hours during any one month shall be added to any 12 consecutive months, computed by adding the hours in a given month to that calculated in the preceding 11 months. [N.J.A.C. 7:27-22.16(e)]	None.
3	NOx (Total) <= 0.28 tons/yr based on the permitted hours of operation per year. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

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

Emission Unit: U1002 Pretreatment Dryer

Operating Scenario: OS1002 Drying of pretreated metal

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions \leq 0.5 lb/hr based on 0.02 grains per standard cubic foot. [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input \leq 0.8 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(e)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	Dryer fuel limited to natural gas [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
4	Natural Gas Usage \leq 5.5 MMft ³ per any consecutive 12-month period. [N.J.A.C. 7:27-22.16(a)]	Natural Gas Usage: Monitored by fuel flow/firing rate instrument continuously. [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. Fuel use for any 12 consecutive months is 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(e)]	None.
5	NO _x (Total) \leq 0.076 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
6	TSP $<$ 0.05 lb/hr (below permit reporting threshold). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

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

Emission Unit: U1003 Coating Line Wet Section

Operating Scenario: OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Opacity <= 20 % , exclusive of condensed water vapor, except for 3 minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-6.2(d)] and [N.J.A.C. 7:27- 6.2(e)]	None.	None.	None.
2	Particulate Emissions <= 0.67 lb/hr based on 0.02 grains per standard cubic foot. [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
3	Hours of Operation <= 7,700 hr/yr. [N.J.A.C. 7:27-22.16(e)]	Hours of Operation: Monitored by hour/time monitor continuously, based on a consecutive 12 month period (rolling 1 month basis). The permittee shall install, calibrate and maintain the monitor(s) in accordance with the manufacturer's specifications. The monitor(s) shall be ranged such that the allowable value is approximately mid-scale of the full range current/voltage output. [N.J.A.C. 7:27-22.16(e)]	Hours of Operation: Recordkeeping by manual logging of parameter or storing data in a computer data system annually. The hours during any one month shall be added to any 12 consecutive months, computed by adding the hours in a given month to that calculated in the preceding 11 months. [N.J.A.C. 7:27-22.16(e)]	None.
4	Cleaning solution limited to Potassium Hydroxide, Tetrapotassium pyrophosphate and surfactant and pretreatment solution is limited to Fluoride compound, Hexafluorotitanic acid, Phosphoric acid, Manganese salt, Ammonium hexa fluorotitanate, Ammonium hexafluorozirconate, Manganous dihydrogen phosphate, and Manganese fluoride. Cleaning solutions and pretreatment solutions may include other non-HAP solutions. [N.J.A.C. 7:27-22.16(a)]	None.	Other: Maintain records of safety data sheets.[N.J.A.C. 7:27-22.16(o)].	None.
5	TSP < 0.05 lb/hr (below permit reporting threshold). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

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Facility Specific Requirements**

Emission Unit: U1006 Rinse Tank Heater**Operating Scenario:** OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	No visible emissions exclusive of condensed water vapor, except for no more than 3 minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-3.2(a)] and [N.J.A.C. 7:27-3.2(c)]	None.	None.	None.
2	NO _x (Total) <= 0.45 tons/yr based on maximum permitted fuel usage limit. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

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

Emission Unit: U1006 Rinse Tank Heater

Operating Scenario: OS1006 Indirect heating of rinse tank using natural gas

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.78 lb/hr. Particulate emission limit from the combustion of fuel based on maximum heat input rate of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 1.3 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(e)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	Heater fuel is limited to natural gas or propane. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
4	Natural Gas Usage <= 9 MMft ³ per any consecutive 12-month period. [N.J.A.C. 7:27-22.16(a)]	Natural Gas Usage: Monitored by fuel flow/firing rate instrument continuously . [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. Fuel use for any 12 consecutive months is 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.
5	NOx (Total) <= 0.38 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
6	TSP < 0.05 lb/hr (below permit reporting threshold). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

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

Emission Unit: U1007 Cleaning Tank**Operating Scenario:** OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	No visible emissions exclusive of condensed water vapor, except for no more than 3 minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-3.2(a)] and [N.J.A.C. 7:27-3.2(c)]	None.	None.	None.
2	NO _x (Total) <= 0.4 tons/yr based on maximum permitted fuel usage limits. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

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

Emission Unit: U1007 Cleaning Tank

Operating Scenario: OS1007 Indirect heating of wash tank using natural gas

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 2.1 lb/hr. Particulate emission limit from the combustion of fuel based on maximum heat input rate of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 3.5 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(e)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(0)].	None.
3	Heater fuel limited to natural gas or propane. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
4	Natural Gas Usage <= 8 MMft ³ per any consecutive 12-month period based on 8760 hours of operation per year. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
5	NOx (Total) <= 0.09 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	TSP < 0.05 lb/hr (below permit reporting threshold). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

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

Emission Unit: U1101 Paint Mix/Ready Room

Operating Scenario: OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Opacity <= 20 % , exclusive of condensed water vapor, except for 3 minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-6.2(d)] and [N.J.A.C. 7:27- 6.2(e)]	None.	None.	None.
2	No Visible Emissions, exclusive of condensed water vapor, except for no more than 3 minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	Particulate Emissions <= 0.5 lb/hr based on 0.02 grains per standard cubic foot. [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
4	VOC (Total) <= 3.5 lb/hr. [N.J.A.C. 7:27-16.16(c)]	Other: Monitored by production records.[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 Conduct an analysis of the source operation, which demonstrates that, under worst case operating conditions that maximize the VOC emissions after any control, the VOC emission rate of the source operation is in compliance with this section; and maintain process records sufficient to demonstrate whether the VOC emission rate of the source operation from actual operations does not exceed the VOC emission rate under worst case operating conditions. [N.J.A.C. 7:27-16.16(g)]	None.
5	Raw material limited to VOC materials and the following HAPs: Antimony trioxide, Cumene, Diethylene glycol monobutyl ether, Ethylbenzene, Ethylene glycol, Ethylene glycol monobutyl ether, Formaldehyde, Methyl Ethyl Ketone, Naphthalene, Phosphoric Acid, Toluene, Xylene. [N.J.A.C. 7:27-22.16(e)]	Other: Monitored by production records.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of 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**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
6	Total Production Rate <= 350,000 gal/yr. [N.J.A.C. 7:27-22.16(a)]	Other: Monitor by production records each month during operation.[N.J.A.C. 7:27-22.16(o)].	Total Production Rate: Recordkeeping by production records each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.
7	Total Production Rate <= 4,200 lb/batch of continuous mixing of totes. [N.J.A.C. 7:27-22.16(a)]	Other: Monitor by production records once per batch during operation.[N.J.A.C. 7:27-22.16(o)].	Total Production Rate: Recordkeeping by production records once per batch during operation. [N.J.A.C. 7:27-22.16(e)]	None.
8	Total Production Rate <= 0.33 hours /batch of drums. [N.J.A.C. 7:27-22.16(a)]	Other: Monitor by production records once per batch during operation.[N.J.A.C. 7:27-22.16(o)].	Total Production Rate: Recordkeeping by production records once per batch during operation. [N.J.A.C. 7:27-22.16(e)]	None.
9	VOC (Total) <= 5 tons/yr based on production rate limit. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
10	VOC (Total) <= 1.14 lb/hr for all five sources combined, OS1101 through OS1105. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
11	HAPs (Total): Maximum emission rates of any individual hazardous air pollutant emissions are below the reporting thresholds listed in N.J.A.C. 7:27-22 [N.J.A.C. 7:27-22.16(a)]	HAPs (Total): Monitored by calculations each month during operation. [N.J.A.C. 7:27-22.16(o)]	HAPs (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.

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

Emission Unit: U1106 Wash Tank

Operating Scenario: OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Opacity <= 20 % , exclusive of condensed water vapor, except for 3 minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-6.2(d)] and [N.J.A.C. 7:27- 6.2(e)]	None.	None.	None.
2	No Visible Emissions, exclusive of condensed water vapor, except for no more than 3 minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	The Machine shall have: 1. A freeboard ratio of 0.75 or greater; and 2. A visible fill line and a high level liquid mark. [N.J.A.C. 7:27-16.6(j)1i]	None.	None.	None.
4	The machine shall have a permanent, conspicuous label placed in a prominent location on the machine. The label shall list the operating requirements specified in N.J.A.C 7:27-16.6(j)2. [N.J.A.C. 7:27-16.6(j)1ii]	None.	None.	None.
5	The cleaning machine shall be equipped with a tightly fitting working-mode cover that shall be kept closed at all times except when parts are placed into or being removed from the machine or when solvent is being added or removed. [N.J.A.C. 7:27-16.6(j)1iii1]	None.	None.	None.
6	The cleaning machine shall be equipped with a tightly fitting working-mode cover that shall be kept closed at all times except when parts are placed into or being removed from the machine or when solvent is being added or removed. A perforated drain with a diameter of not more than six inches shall constitute an acceptable cover. [N.J.A.C. 7:27-16.6(j)1iii1]	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
7	The machine is shall be equipped with a thermostat. [N.J.A.C. 7:27-16.6(j)1iii2]	None.	None.	None.
8	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.
9	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.
10	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 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.
11	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.
12	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.

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

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
13	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 shall not be used. [N.J.A.C. 7:27-16.6(j)2vi]	None.	None.	None.
14	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.
15	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.
16	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.
17	The solvent shall be maintained at a temperature below its boiling point. [N.J.A.C. 7:27-16.6(j)2x]	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
18	The permittee shall not use any solvent that has a vapor pressure of one millimeter of mercury or greater, measured at 20 degrees Celsius (68 degrees Fahrenheit). [N.J.A.C. 7:27-16.6(j)3]	None.	<p>Recordkeeping by manual logging of parameter or storing data in a computer data system per change of material. The permittee shall maintain, for not less than two years after the date of purchase of solvent for use in the machine, the information specified below and shall, upon the request of the Department or its representative, provide the information to the Department:</p> <p>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</p> <p>A list of VOC(s) and their concentration information in the solvent;</p> <p>Information about each VOC. A Safety Data Sheet (SDS) may be used to satisfy this requirement;</p> <p>The solvent's product number assigned by the manufacturer; and</p> <p>The vapor pressure of the solvent measured in millimeters of mercury at 20 degrees Celsius (68 degrees Fahrenheit). [N.J.A.C. 7:27-16.6(j)4]</p>	None.
19	The machine shall have a freeboard height of 6 inches or higher. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
20	VOC (Total) <= 0.876 tons/yr based on 8760 hours of operation per year. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

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

Emission Unit: U1106 Wash Tank

Operating Scenario: OS1106 Solvent Parts Washing

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	The tank contents limited to Methyl Ethyl Ketone (MEK) and Solvesso 150, n-methyl pyrrolidone and gamma butyrolactone, Tarksol HTF 40, 50 and 60 solvents. [N.J.A.C. 7:27-22.16(e)]	Other: At the time of filling, confirm by safety data sheets or invoices/bill of lading.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of safety data sheets or invoices/bill of lading.[N.J.A.C. 7:27-22.16(o)].	None.
2	Solvent must contain no greater than 5% by weight of combination of methylene chloride, trichloroethylene, 1,1,1-trichloroethane, carbon tetrachloride and chloroform, or any combination of these halogenated HAP solvents, as a cleaning and/or drying agent. [N.J.A.C. 7:27-22.16(a)]	Other: Confirm by MSDS or bill of lading at time of filling.[N.J.A.C. 7:27-22.16(o)].	Recordkeeping by invoices / bills of lading / certificate of analysis annually. [N.J.A.C. 7:27-22.16(a)]	None.
3	VOC (Total) <= 0.2 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: U1106 Wash Tank
Operating Scenario: OS1107 cleaning of Wash Tank with Phosphoric Acid Solution

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	The wash tank cleaner is limited to Parco Purge 2550, an orthophosphoric acid based solution. Other non-HAP solutions may be included. [N.J.A.C. 7:27-22.16(a)]	None.	Other: Maintain records of safety data sheets used.[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: U1201 Roll Grinding of Coating Rolls

Subject Item: CD1201 Cyclone-roll Grinder A500

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulates Control Efficiency $\geq 99\%$ for CD1201 and CD1202 combined. [N.J.A.C. 7:27-22.16(e)]	None.	Other: Maintain records of the design control efficiency.[N.J.A.C. 7:27-22.16(o)].	None.
2	The baghouse and cyclone (CD1201 and CD1202, respectively) shall be in operation at all times when the roll grinder (U1201) is in operation. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	Pressure Drop Across the Baghouse ≥ 0.2 and Pressure Drop Across the Baghouse ≤ 4 inches w.c.. [N.J.A.C. 7:27-22.16(a)]	Pressure Drop Across the Baghouse: Monitored by pressure indicator continuously, based on an instantaneous determination The permittee shall install, calibrate and maintain the monitor(s) in accordance with the manufacturer's specifications. The monitor(s) shall be ranged such that the allowable value is approximately mid-scale of the full range current/voltage output. [N.J.A.C. 7:27-25.16(o)]	Pressure Drop Across the Baghouse: Recordkeeping by manual logging of parameter or storing data in a computer data system once per calendar day during operation. [N.J.A.C. 7:27-22.16(o)]	None.
4	Air-to-Cloth Ratio $\leq 180\%$. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
5	Type of bag shall be polyester felt, which are cleaned by mechanical shaking. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
6	The permittee shall conduct bag cleaning and replacement on a schedule necessary to achieve the required particulate removal efficiency as specified by the manufacturer.[N.J.A.C. 7:27-22.16(e)]	None.	Recordkeeping by manual logging of parameter upon occurrence of event. The permittee shall record each instance of bag cleaning and bag replacement. [N.J.A.C. 7:27-22.16(e)]	None.

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

Emission Unit: U1201 Roll Grinding of Coating Rolls

Subject Item: CD1202 DC(Dust Collector) Roll Grinder A600

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulates Control Efficiency $\geq 99\%$ for CD1201 and CD1202 combined. [N.J.A.C. 7:27-22.16(e)]	None.	Other: Maintain records of the design control efficiency.[N.J.A.C. 7:27-22.16(o)].	None.
2	The baghouse and cyclone (CD1201 and CD1202, respectively) shall be in operation at all times when the roll grinder (U1201) is in operation. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	Pressure Drop Across the Baghouse ≥ 0.2 and Pressure Drop Across the Baghouse ≤ 4 inches w.c.. [N.J.A.C. 7:27-22.16(a)]	Pressure Drop Across the Baghouse: Monitored by pressure indicator continuously, based on an instantaneous determination The permittee shall install, calibrate and maintain the monitor(s) in accordance with the manufacturer's specifications. The monitor(s) shall be ranged such that the allowable value is approximately mid-scale of the full range current/voltage output. [N.J.A.C. 7:27-25.16(o)]	Pressure Drop Across the Baghouse: Recordkeeping by manual logging of parameter or storing data in a computer data system once per calendar day during operation. [N.J.A.C. 7:27-22.16(o)]	None.
4	Air-to-Cloth Ratio $\leq 180\%$. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
5	Type of bag shall be polyester felt, which are cleaned by mechanical shaking. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
6	The permittee shall conduct bag cleaning and replacement on a schedule necessary to achieve the required particulate removal efficiency as specified by the manufacturer.[N.J.A.C. 7:27-22.16(e)]	None.	Recordkeeping by manual logging of parameter upon occurrence of event. The permittee shall record each instance of bag cleaning and bag replacement. [N.J.A.C. 7:27-22.16(e)]	None.

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

Emission Unit: U1201 Roll Grinding of Coating Rolls

Operating Scenario: OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Opacity <= 20 % , exclusive of condensed water vapor, except for 3 minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-6.2(d)] and [N.J.A.C. 7:27- 6.2(e)]	None.	None.	None.
2	No Visible Emissions, exclusive of condensed water vapor, except for no more than 3 minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	Hours of Operation <= 8,400 hr/yr. [N.J.A.C. 7:27-22.16(e)]	Hours of Operation: Monitored by hour/time monitor continuously, based on a consecutive 12 month period (rolling 1 month basis). The permittee shall install, calibrate and maintain the monitor(s) in accordance with the manufacturer's specifications. [N.J.A.C. 7:27-22.16(a)]	Hours of Operation: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation and for every consecutive 12 month period (rolling 1 month basis). [N.J.A.C. 7:27-22.16(a)]	None.
4	Total Production Rate: <= 800 rolls of rubber per year. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by production records once per batch during operation.[N.J.A.C. 7:27-22.16(o)].	Total Production Rate: Recordkeeping by production records once per batch during operation. [N.J.A.C. 7:27-22.16(o)]	None.

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

Emission Unit: U1201 Roll Grinding of Coating Rolls**Operating Scenario:** OS1201 Grinding of Coating Rolls

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.5 lb/hr based on 0.02 grains per standard cubic foot. [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
2	Total Production Rate: <= 1 roll of rubber per hour. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by production records once per batch during operation.[N.J.A.C. 7:27-22.16(o)].	Total Production Rate: Recordkeeping by production records once per batch during operation. [N.J.A.C. 7:27-22.16(o)]	None.
3	TSP < 0.05 lb/hr (below permit reporting threshold). [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

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

Emission Unit: U3001 Office Heater**Operating Scenario:** OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	No visible emissions exclusive of condensed water vapor, except for no more than 3 minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-3.2(a)] and [N.J.A.C. 7:27-3.2(c)]	None.	None.	None.
2	NO _x (Total) <= 0.3 tons/yr based on maximum permitted fuel usage limit. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

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

Emission Unit: U3001 Office Heater**Operating Scenario:** OS3001 Gas fired furnace for heating facility offices

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.72 lb/hr. Particulate emission limit from the combustion of fuel based on maximum heat input rate of source. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 1.2 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(e)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	Heater fuel limited to natural gas. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
4	Natural Gas Usage <= 6 MMft ³ /yr per any consecutive 12-month period based on 8760 hours of operation per year. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	NOx (Total) <= 0.118 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	TSP < 0.05 lb/hr (below permit reporting threshold). [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Profile (General)

Facility Name (AIMS): Gentek Building Products, Inc.

Facility ID (AIMS): 17914

Street 11 CRAGWOOD RD
Address: AVENEL
11 CRAGWOOD RD
AVENEL, NJ 07001

Mailing 11 CRAGWOOD RD
Address: AVENEL
11 CRAGWOOD RD
AVENEL, NJ 07001

County: Middlesex
Location Manufacturer of Aluminum and Steel Siding
Description:

State Plane Coordinates:
X-Coordinate: 641,865
Y-Coordinate: 560,052
Units: New Jersey State Plane 8
Datum: Unknown
Source Org.: Other/Unknown
Source Type: Digital Image

Industry:
Primary SIC: 3479
Secondary SIC:
NAICS: 332812

New Jersey Department of Environmental Protection
Facility Profile (General)

Contact Type: Air Permit Information Contact

Organization: Associated Materials, Inc.

Org. Type: Corporation

Name: Thomas Tinnirello

NJ EIN: 95194000000

Title: Director, EHS

Phone: (330) 922-5379 x

Mailing Address: 3773 State Road

Fax: (330) 922-2354 x

Cuyahoga Falls, OH 44223

Other: () - x

Type:

Email: ttinnirello@associatedmaterials.com

Contact Type: Fees/Billing Contact

Organization: Associated Materials

Org. Type: LLC

Name: Alexandra Plaskon

NJ EIN: 95194000000

Title: Corporate EHS Manager

Phone: (330) 922-2126 x

Mailing Address: 3773 State Road

Fax: () - x

Cuyahoga, OH 44223-2603

Other: (330) 604-5159 x

Type:

Email: aplaskon@associatedmaterials.com

Contact Type: Operator

Organization: Gentek Building Products, Inc.

Org. Type: Corporation

Name:

NJ EIN: 95194000000

Title:

Phone: () - x

Mailing

Fax: () - x

Address:

Other: () - x

Type:

Email:

New Jersey Department of Environmental Protection
Facility Profile (General)

Contact Type: Owner (Current Primary)

Organization: Gentek Building Products, Inc.

Org. Type: Corporation

Name:

NJ EIN: 95194000000

Title:

Phone: (732) 827-2306 x

Mailing Address: 11 Cragwood Road
3773 State Road
Avenel, NJ 07001

Fax: () - x

Other: () - x

Type:

Email:

Contact Type: Responsible Official

Organization: Gentek Building Products

Org. Type: Private

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GENTEK BUILDING PRODUCTS INC (17914)
BOP190001

Date: 10/16/2023

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	Road dust / loading & unloading	Plantwide					0.250	0.250			
FG2	Misc. cleaning operations (outside)	Plantwide	0.250								
FG3	Pumps/Valve Leaks	Mix Room	0.250								
FG4	Hydraulic Oil Leaks	Plantwide	0.250								
Total			0.750	0.000	0.000	0.000	0.250	0.250	0.000	0.00000000	0.000

GENTEK BUILDING PRODUCTS INC (17914)
BOP190001

Date: 10/16/2023

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	Maintenance Equipment (Raw material used <= 50 lb/hr)	Other Equipment	Maint. Shop					0.250	0.250			
IS2	Parts Washers (Top opening <= 6 sq ft, capacity <= 100 gal, non-heated, non-conveyorized)	Cleaning Machine (Open Top: Cold)	Maint. Shop	0.660								
IS3	Welding Equipment (Raw material used <= 50 lb/hr)	Other Equipment	Weld Shop					0.250	0.250			
IS4	Maintenance Saw (Raw material used <= 50 lb/hr)	Other Equipment	Weld Shop					0.250	0.250			
IS5	Threader (Raw material used <= 50 lb/hr)	Other Equipment	Weld Shop					0.250	0.250			
IS6	Cardboard Compactor/Baler (Raw material used <= 50 lb/hr)	Other Equipment	Receiving					0.250	0.250			
IS7	Sandblaster (Raw material used <= 50 lb/hr)	Other Equipment	Weld Shop					0.250	0.250			
IS8	6 Space Heaters (< 1 MMBtu/hr max. rated heat input)	Fuel Combustion Equipment (Other)	Main Warehouse	0.370	4.770	2.030	0.030	0.570	0.570			

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)
IS10	Wastewater Treatment System (TXS concentration <100 ppbw; VOC concentration <3,500 ppbw)	Other Equipment	Warehouse	0.250								
IS11	Lube/Maintenance (Non-Fuel) Oil Storage (Capacity < 2000 gallons)	Other Equipment	Maintenance	0.250								
IS12	Misc. Inside Cleaning Operations (< 0.5 gal/hr and < 2.5 gal/day)	Other Equipment	Main Warehouse	0.250								
Total				1.780	4.770	2.030	0.030	2.070	2.070	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
E1001	NJ09	Coater #1	Surface Coating Equipment (Non-Fabric Material)	127106	1/1/1977	No	5/22/1997	
E1002	NJ39	C/L Pretreatment Dryer	Process Heater	121192	1/1/1977	No	3/24/1995	
E1003	NJ07	C/L Pretreatment Section	Manufacturing and Materials Handling Equipment	111574	1/1/1977	No	3/10/1993	
E1004	NJ07	C/L Rinse Section	Manufacturing and Materials Handling Equipment	111574	1/1/1977	No	3/10/1993	
E1005	NJ07	C/L Wash Section	Manufacturing and Materials Handling Equipment	111574	1/1/1977	No	3/10/1993	
E1006	NJ29	Rinse Tank Heater	Process Heater	071607	1/1/1977	No	5/30/1985	
E1007	NJ36	Cleaning Tank Heater	Process Heater	111906	1/1/1977	No	4/3/1993	
E1008	NJ09	Oven #1	Process Heater	127106	1/1/1977	No	5/22/1997	
E1009	NJ09	Coater #2	Surface Coating Equipment (Non-Fabric Material)	127106	1/1/1977	No	5/22/1997	
E1010	NJ09	Oven #2	Process Heater	127106	1/1/1977	No	5/22/1997	
E1101	NJ37	Mixer 1	Manufacturing and Materials Handling Equipment	115893	1/1/1977	No	5/3/1994	

**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
E1102	NJ37	Mixer 2	Manufacturing and Materials Handling Equipment	115893	1/1/1977	No	5/3/1994	
E1103	NJ37	Mixer 3	Manufacturing and Materials Handling Equipment	115893	1/1/1977	No	5/3/1994	
E1104	NJ37	Primer Agitator	Manufacturing and Materials Handling Equipment	115893	1/1/1977	No	5/3/1994	
E1105	NJ37	Backer Agitator	Manufacturing and Materials Handling Equipment	115893	1/1/1977	No	5/3/1994	
E1106	NJ38	Wash Tank	Cleaning Machine (Open Top: Cold)	118127	1/1/1977	No	8/12/1994	
E1201	nj45	Roll Grinder	Other Equipment	121617	1/1/1983	No	3/27/1995	
E3001	NJ46	Office Heater	Boiler	121714	1/1/1977	No	4/25/1995	

Make:

Manufacturer:

Model:

Method of Application:

Description:

Spray Type:

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

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

Comments:

Make:	<input type="text"/>
Manufacturer:	<input type="text"/>
Model:	<input type="text"/>
Equipment Type Description:	<input type="text" value="Pretreatment Dryer"/>
Maximum Rated Gross Heat Input (MMBtu/hr):	<input type="text" value="0.8"/>
Draft Type:	<input type="text" value="direct"/>
Firing Method:	<input type="text" value="direct"/>
Is the Process Heater using?	
Low NOx Burner	<input type="text" value="no"/>
Type of Low NOx Burner:	<input type="text" value="no"/>
Flue Gas Recirculation (FGR)	<input type="text" value="no"/>
Have you attached a diagram showing the location and/or configuration of this equipment?	<input type="text" value="block diagram"/>
Have you attached any manufacturer's data or specifications which may aid in the review of this application?	<input type="text" value="no"/>
Comments:	<input type="text"/>

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

17914 GENTEK BUILDING PRODUCTS INC BOP190001 E1003 (Manufacturing and Materials Handling Equipment)
Print Date: 12/20/2019

Make:	<input type="text"/>
Manufacturer:	<input type="text"/>
Model:	<input type="text"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="Wash metal coil"/>
Capacity:	<input type="text" value="2.00E+04"/>
Units:	<input type="text" value="other units"/>
Description (if other):	<input type="text" value="pounds/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:	

17914 GENTEK BUILDING PRODUCTS INC BOP190001 E1004 (Manufacturing and Materials Handling Equipment)
Print Date: 12/20/2019

Make:	<input type="text"/>
Manufacturer:	<input type="text"/>
Model:	<input type="text"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="rinse of metal coil"/>
Capacity:	<input type="text" value="2.00E+03"/>
Units:	<input type="text" value="other units"/>
Description (if other):	<input type="text" value="pounds/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:	

17914 GENTEK BUILDING PRODUCTS INC BOP190001 E1005 (Manufacturing and Materials Handling Equipment)
Print Date: 12/20/2019

Make:	<input type="text"/>
Manufacturer:	<input type="text"/>
Model:	<input type="text"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="pretreatment of metal coil"/>
Capacity:	<input type="text" value="2.00E+04"/>
Units:	<input type="text" value="other units"/>
Description (if other):	<input type="text" value="pounds/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:	

Make:

Manufacturer:

Model:

Equipment Type Description:

Maximum Rated Gross Heat Input (MMBtu/hr):

Draft Type:

Firing Method:

Is the Process Heater using?

Low NOx Burner

Type of Low NOx Burner:

Flue Gas Recirculation (FGR)

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

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

Comments:

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

Make:

Manufacturer:

Model:

Equipment Type Description:

Maximum Rated Gross Heat Input (MMBtu/hr):

Draft Type:

Firing Method:

Is the Process Heater using?

Low NOx Burner

Type of Low NOx Burner:

Flue Gas Recirculation (FGR)

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

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

Comments:

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

Make:	<input type="text"/>
Manufacturer:	<input type="text"/>
Model:	<input type="text"/>
Equipment Type Description:	<input type="text" value="Drying oven for Primer/Backer Coater"/>
Maximum Rated Gross Heat Input (MMBtu/hr):	<input type="text" value="7.6"/>
Draft Type:	<input type="text" value="direct"/>
Firing Method:	<input type="text" value="direct"/>
Is the Process Heater using?	
Low NOx Burner	<input type="text" value="no"/>
Type of Low NOx Burner:	<input type="text" value="no"/>
Flue Gas Recirculation (FGR)	<input type="text" value="no"/>
Have you attached a diagram showing the location and/or configuration of this equipment?	<input type="text" value="block diagram"/>
Have you attached any manufacturer's data or specifications which may aid in the review of this application?	<input type="text" value="no"/>
Comments:	<input type="text"/>

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

Make:	<input type="text"/>
Manufacturer:	<input type="text"/>
Model:	<input type="text"/>
Method of Application:	<input type="text" value="roller coater"/>
Description:	<input type="text" value="Topcoater"/>
Spray Type:	<input type="text" value="none"/>
Have you attached a diagram showing the location and/or configuration of this equipment?	<input type="text" value="block diagram"/>
Have you attached any manufacturer's data or specifications which may aid in the review of this application?	<input type="text" value="composition of coating provided"/>
Comments:	<input type="text"/>

Make:	<input type="text"/>
Manufacturer:	<input type="text"/>
Model:	<input type="text"/>
Equipment Type Description:	<input type="text" value="Topcoater Oven"/>
Maximum Rated Gross Heat Input (MMBtu/hr):	<input type="text" value="7.6"/>
Draft Type:	<input type="text" value="direct"/>
Firing Method:	<input type="text" value="direct"/>
Is the Process Heater using?	
Low NOx Burner	<input type="text" value="no"/>
Type of Low NOx Burner:	<input type="text" value="no"/>
Flue Gas Recirculation (FGR)	<input type="text" value="no"/>
Have you attached a diagram showing the location and/or configuration of this equipment?	<input type="text" value="block diagram"/>
Have you attached any manufacturer's data or specifications which may aid in the review of this application?	<input type="text" value="no"/>
Comments:	<input type="text"/>

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

17914 GENTEK BUILDING PRODUCTS INC BOP190001 E1101 (Manufacturing and Materials Handling Equipment)
Print Date: 12/20/2019

Make:	<input type="text"/>
Manufacturer:	<input type="text"/>
Model:	<input type="text"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="Mixer #1"/>
Capacity:	<input type="text" value="4.20E+03"/>
Units:	<input type="text" value="other units"/>
Description (if other):	<input type="text" value="pounds/batch and 0.33 hrs/batch"/>
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:	

17914 GENTEK BUILDING PRODUCTS INC BOP190001 E1102 (Manufacturing and Materials Handling Equipment)
Print Date: 12/20/2019

Make:	
Manufacturer:	
Model:	
Type of Manufacturing and Materials Handling Equipment:	Mixer #2
Capacity:	4.20E+03
Units:	other units
Description (if other):	pounds/batch and 0.33 hrs/batch
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	

17914 GENTEK BUILDING PRODUCTS INC BOP190001 E1103 (Manufacturing and Materials Handling Equipment)
Print Date: 12/20/2019

Make:	
Manufacturer:	
Model:	
Type of Manufacturing and Materials Handling Equipment:	Mixer #3
Capacity:	4.20E+03
Units:	other units
Description (if other):	pounds/batch and 0.33 hrs/batch
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	

17914 GENTEK BUILDING PRODUCTS INC BOP190001 E1104 (Manufacturing and Materials Handling Equipment)
Print Date: 12/20/2019

Make:	<input type="text"/>
Manufacturer:	<input type="text"/>
Model:	<input type="text"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="Primer Agitator"/>
Capacity:	<input type="text" value="4.20E+03"/>
Units:	<input type="text" value="other units"/>
Description (if other):	<input type="text" value="pounds/batch and 0.33 hrs/batch"/>
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:	

17914 GENTEK BUILDING PRODUCTS INC BOP190001 E1105 (Manufacturing and Materials Handling Equipment)
Print Date: 12/20/2019

Make:	<input type="text"/>
Manufacturer:	<input type="text"/>
Model:	<input type="text"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="Backer Agitator"/>
Capacity:	<input type="text" value="4.20E+03"/>
Units:	<input type="text" value="other units"/>
Description (if other):	<input type="text" value="pounds/batch and 0.33 hrs/batch"/>
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:	

Make:	custom made
Manufacturer:	Alcan Building Products
Model:	
Does the degreaser have a visible high level liquid mark?	yes
Is the degreaser equipped with spray nozzles / flushing wand?	no
Maximum Nozzle / Flushing Wand Pressure (psi):	
Does the flushing wand produce any VOC droplets or mist?	no
Is the degreaser equipped with an agitator that causes splashing?	no
How is the degreaser loaded and unloaded?	manually
Is the degreaser equipped with drain rack?	yes
Is the degreaser equipped with a cover to prevent the vapors from diffusing while not in use?	yes
Type of Cover:	
Freeboard Height (ft.):	0.917
Freeboard Ratio:	0.611
Length of Top Opening (ft.):	4
Width of Top Opening (ft.):	1.5
Area of Top Opening (ft ²):	6
Degreasing Solution Type:	organic solvent
Chemical Name of Solution:	methyl ethyl ketone, Solvessa
Have you Attached the MSDS for the Cleaning Solution?	no
Are there any local exhaust systems located within 36 inches of the degreaser's emission point?	no

Are there any positive pressure sources located within 20 feet of the degreaser's tank rim?

no

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

block diagram

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

no

Comments:

17914 GENTEK BUILDING PRODUCTS INC BOP190001 E1201 (Other Equipment)
Print Date: 12/20/2019

Make:	Roll Grinder
Manufacturer:	Kingston
Model:	HR3000
Equipment Type:	Lathe/ coating roll grinder
Capacity:	750.00
Units:	lb/hr
Description:	

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

☐ Yes
☒ No

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

☐ Yes
☒ No

Comments:

17914 GENTEK BUILDING PRODUCTS INC BOP190001 E3001 (Boiler)
Print Date: 12/20/2019

Make:	<input type="text"/>
Manufacturer:	<input type="text" value="Bryan"/>
Model:	<input type="text" value="3CL-120-ST"/>
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	<input type="text" value="1.20"/>
Boiler Type:	<input type="text" value="Package"/>
Utility Type:	<input type="text" value="Non-Utility"/>
Output Type:	<input type="text" value="Steam Only"/>
Steam Output (lb/hr):	<input type="text"/>
Fuel Firing Method:	<input type="text"/>
Description (if other):	<input type="text"/>
Draft Type:	<input type="text"/>
Heat Exchange Type:	<input type="text" value="Indirect"/>

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

Low NOx Burner:	<input type="checkbox"/>	Type: <input type="text"/>
Staged Air Combustion:	<input type="checkbox"/>	
Flue Gas Recirculation (FGR):	<input type="checkbox"/>	Amount (%): <input type="text"/>

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:

GENTEK BUILDING PRODUCTS INC (17914)
BOP190001

Date: 10/16/2023

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
CD1020	RTO	Regenerative Thermal Oxidizer	Oxidizer (Thermal)	6/1/2007	No		
CD1201	Cyclone	Cyclone-roll Grinder A500	Cyclone	2/22/1995	No	3/27/1995	
CD1202	Dust Collect	DC(Dust Collector) Roll Grinder A600	Particulate Filter (Baghouse)	2/22/1995	No	3/27/1995	

17914 GENTEK BUILDING PRODUCTS INC BOP190001 CD1020 (Oxidizer (Thermal))
Print Date: 12/20/2019

Make:	
Manufacturer:	MEGTEC Systems
Model:	CS-300-90
Minimum Chamber Temperature (°F):	1500
Minimum Residence Time (sec):	0.5
Fuel Type:	Natural gas
Description:	
Maximum Rated Gross Heat Input (MMBtu/hr):	8
Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources):	4
Alternative Method to Demonstrate Control Apparatus is Operating Properly:	

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:

17914 GENTEK BUILDING PRODUCTS INC BOP190001 CD1201 (Cyclone)
Print Date: 12/20/2019

Make:	Sternvent
Manufacturer:	Sternvent
Model:	CYD2005
Unit Type:	SN
Description:	
Major Cylinder Diameter, Dc (ft):	1.67
Major Cylinder Length, Lc (ft):	1.41
Gas Outlet Diameter, De (ft):	0.40
Gas Inlet Height, He (ft):	1.08
Gas Inlet Width, Bc (ft):	0.41
Gas Outlet Length, Hc + Sc [usually 5/8 Dc] (ft):	1.40
Cone Length, Zc (ft):	2.37
Dust Outlet, Jc (ft):	0.67
Effective Number of Turns, Ne:	1
Inlet Gas Velocity, Vi (ft/min):	5,800.00
True Particle Density (lbs/ft³):	
Average Particle Size (micrometers):	
Gas Temperature (°F):	120.0
Have you attached a Particle Size Distribution Analysis?	<input type="radio"/> Yes <input checked="" type="radio"/> No
Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources):	1
Alternative Method to Demonstrate Control Apparatus is Operating Properly:	
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:	

17914 GENTEK BUILDING PRODUCTS INC BOP190001 CD1202 (Particulate Filter (Baghouse))
Print Date: 12/20/2019

Make:	Sternvent Dust Collector
Manufacturer:	Sternvent
Model:	CYD2005
Number of Bags:	4
Size of Bags (ft²):	24.00
Total Bag Area (ft²):	96.0
Bag Fabric:	Polyester Felt
Fabric Weight (oz/ft²):	12.00
Fabric Weave:	not woven
Fabric Finish:	singed inside
Maximum Design Temperature Capability (°F):	275.0
Maximum Design Air Flow Rate (acfm):	55.0
Draft Type:	Forced
Maximum Air Flow Rate to Cloth Area Ratio:	1.80
Minimum Operating Pressure Drop (in. H2O):	0.25
Maximum Operating Pressure Drop (in. H2O):	4.00
Method of Monitoring Pressure Drop:	megnahelic gauge
Maximum Inlet Temperature (°F):	130.0
Minimum Inlet Temperature (°F):	60.0
Dew Point of Gas Stream Maximum Inlet Temperature (°F):	
Maximum Operating Exhaust Gas Flow Rate (acfm):	55.0
Maximum Inlet Gas Stream Moisture Content (%):	
Method for Determining When Bag Replacement is Required:	pressure differential >4.0
Method for Determining When Cleaning is Required:	as pressure differential increases
Method of Bag Cleaning:	Mechanical Shak
Description:	
Is Bag Cleaning Conducted On-Line?	<input type="radio"/> Yes <input checked="" type="radio"/> No
Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources):	1
Alternative Method to Demonstrate Control Apparatus is Operating Properly:	visual inspection of particals exiting stack
Have you attached a Particle Size Distribution Analysis?	<input type="radio"/> Yes <input checked="" type="radio"/> No

17914 GENTEK BUILDING PRODUCTS INC BOP190001 CD1202 (Particulate Filter (Baghouse))
Print Date: 12/20/2019

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:

GENTEK BUILDING PRODUCTS INC (17914)
BOP190001

Date: 10/16/2023

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.		
PT1002	Pretreat Ove	Pretreat Oven	Round	16	40	120	400.0	300.0	600.0	8,100.0	5,000.0	10,000.0	Up	
PT1003	C/L Wet Sect	C/L Wet Sect.	Round	36	15	150	120.0	80.0	200.0	8,100.0	5,000.0	10,000.0	Up	
PT1006	Rinse Tk Htr	heater	Round	6	20	250	400.0	300.0	600.0	5,000.0	4,000.0	6,000.0	Up	
PT1007	Clean Tk Htr	heater	Round	12	20	120	400.0	300.0	600.0	5,000.0	4,000.0	6,000.0	Up	
PT1020	RTO Stack	Regenerative Thermal Oxidizer Exhaust Stack	Rectangle	57	45	500	800.0	650.0	950.0	30,000.0	7,500.0	30,000.0	Up	
PT1101	Paint Mix Rm	Paint Mix Room	Round	34	1	260	70.0	50.0	120.0	4,000.0	3,000.0	5,000.0	Horizontal	
PT1106	Wash Tank	Wash Tank	Square	24	18	260	70.0	50.0	120.0	4,000.0	3,000.0	5,000.0	Horizontal	
PT1201	Roll Grinder	Roll Grinder	Round	18	10	120	70.0	55.0	120.0	55.0	40.0	70.0	Horizontal	
PT3001	Office Heate	Office Heater	Round	16	20	120	400.0	300.0	600.0	5,000.0	4,000.0	6,000.0	Up	

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U 1001 Coater Coil Coater and Drying Ovens Subject to NSPS Subpart TT

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.
OS1011	PrimerE1001	PRIMER E1001 - Surface coating of metal controlled by RTO (CD1020)	Normal - Steady State	E1001	CD1020 (P)	PT1020	4-02-999-98	0.0	3,500.0		40,000.0	80,000.0	400.0	800.0
OS1012	BackerE1001	BACKER E1001 - Surface coating of metal controlled by RTO (CD1020)	Normal - Steady State	E1001	CD1020 (P)	PT1020	4-02-999-98	0.0	3,500.0		40,000.0	80,000.0	400.0	800.0
OS1013	TopcoatE1001	TOPCOAT E1001 Surface coating of metal controlled by RTO (CD1020)	Normal - Steady State	E1001	CD1020 (P)	PT1020	4-02-999-98	0.0	6,600.0		40,000.0	80,000.0	400.0	800.0
OS1014	DryerE1008	Drying of coated metal - controlled by RTO (CD1020)	Normal - Steady State	E1008	CD1020 (P)	PT1020	4-02-999-98	0.0	6,600.0		40,000.0	80,000.0	400.0	800.0
OS1015	PrimerE1009	PRIMER E1009 - Surface coating of metal controlled by RTO (CD1020)	Normal - Steady State	E1009	CD1020 (P)	PT1020	4-02-999-98	0.0	3,500.0		40,000.0	80,000.0	400.0	800.0
OS1016	BackerE1009	BACKER E1009 - Surface coating of metal controlled by RTO (CD1020)	Normal - Steady State	E1009	CD1020 (P)	PT1020	4-02-999-98	0.0	3,500.0		40,000.0	80,000.0	400.0	800.0
OS1017	TopcoatE1009	TOPCOAT E1009 Surface coating of metal controlled by RTO (CD1020)	Normal - Steady State	E1009	CD1020 (P)	PT1020	4-02-999-98	0.0	6,600.0		40,000.0	80,000.0	400.0	800.0
OS1018	DryerE1010	Drying of coated metal - controlled by RTO (CD1020)	Normal - Steady State	E1010	CD1020 (P)	PT1020	4-02-999-98	0.0	6,600.0		40,000.0	80,000.0	400.0	800.0

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U 1002 Dryer Pretreatment Dryer

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.
OS1002	pre drying	Drying of pretreated metal	Normal - Steady State	E1002		PT1002	4-02-999-98	0.0	7,700.0		5,000.0	10,000.0	300.0	600.0

U 1003 Coating Coating Line Wet Section

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.
OS1003	Pretreatment	Pretreatment of metal coil	Normal - Steady State	E1003		PT1003	4-02-999-98	0.0	7,700.0		5,000.0	10,000.0	80.0	200.0
OS1004	Rinse	Water rinse of Washed Metal coil	Normal - Steady State	E1004		PT1003	4-02-999-98	0.0	7,700.0		5,000.0	10,000.0	80.0	200.0
OS1005	Wash	Washing of Metal Coil	Normal - Steady State	E1005		PT1003	4-02-999-98	0.0	7,700.0		5,000.0	10,000.0	80.0	200.0

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U 1006 Rinse heater Rinse Tank 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.
OS1006	fuel NG	Indirect heating of rinse tank using natural gas	Normal - Steady State	E1006		PT1006	1-02-006-02	0.0	6,000.0		4,000.0	6,000.0	300.0	600.0

U 1007 Clean heater Cleaning Tank

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.
OS1007	fuel NG	Indirect heating of wash tank using natural gas	Normal - Steady State	E1007		PT1007	1-02-006-02	0.0	8,760.0		4,000.0	6,000.0	300.0	600.0

U 1101 Room Paint Mix/Ready Room

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.
OS1101	Mixer #1	Mixing/Agitating coating formulations	Normal - Steady State	E1101		PT1101	4-02-999-98	0.0	8,760.0		3,000.0	5,000.0	50.0	120.0

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U 1101 Room Paint Mix/Ready Room

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.
OS1102	Mixer #2	Mixing/Agitating coating formulations	Normal - Steady State	E1102		PT1101	4-02-999-98	0.0	8,760.0		3,000.0	5,000.0	50.0	120.0
OS1103	Mixer #3	Mixing/Agitating coating formulations	Normal - Steady State	E1103		PT1101	4-02-999-98	0.0	8,760.0		3,000.0	5,000.0	50.0	120.0
OS1104	Primer Agita	Mixing/Agitating coating formulations	Normal - Steady State	E1104		PT1101	4-02-999-98	0.0	8,760.0		3,000.0	5,000.0	50.0	120.0
OS1105	Backer Agit	Mixing/Agitating coating formulations	Normal - Steady State	E1105		PT1101	4-02-999-98	0.0	8,760.0		3,000.0	5,000.0	50.0	120.0

U 1106 Tank Wash Tank

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.
OS1106	Wash Tank	Solvent Parts Washing	Normal - Steady State	E1106		PT1106	4-02-999-98	0.0	8,760.0		3,000.0	5,000.0	50.0	120.0
OS1107	Wash Tank	cleaning of Wash Tank with Phosphoric Acid Solution	Maintenance	E1106		PT1106	4-02-999-98	0.0	72.0		3,000.0	5,000.0	50.0	120.0

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U 1201 Roll Grinder Roll Grinding of Coating Rolls

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.
OS1201	Roll Grinder	Grinding of Coating Rolls	Normal - Steady State	E1201	CD1201 (P) CD1202 (S)	PT1201	4-02-999-98 3-99-999-89	0.0	8,400.0		40.0	70.0	70.0	120.0

U 3001 Heater Office 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.
OS3001	Office Heate	Gas fired furnace for heating facility offices	Normal - Steady State	E3001		PT3001	1-03-006-02	0.0	8,760.0		4,000.0	6,000.0	300.0	600.0